

## Central Drug Research Institute

### Patents Filed/ Granted

1. **Title** Isolation of a New Alkaloidal Constituent from *Cissampelos pareira* Linn (Menispermaceae)  
**Inventor** Satyendra Bhattacharji, V N Sharma & Moti Lal Dhar  
**Application No.** 50340 **Filing Date** 6/19/1954  
**Patent No.** 50340 **Grant Date** 9/7/1955  
**Country** India **Status** LP/1967
  
2. **Title** Manufacture of physiologically active compounds from *Cissampelos Pareira* Linn (Menispermaceae)  
**Inventor** Satyendra Bhattacharji, V N Sharma & Moti Lal Dhar  
**Application No.** 50339 **Filing Date** 6/19/1954  
**Patent No.** 50339 **Grant Date** 9/21/1955  
**Country** India **Status** LP/1967
  
3. **Title** A process for the isolation of the alkaloids of *Rauwolfia serpentina* Benth  
**Inventor** V N Sharma, Moti Lal Dhar & Manojeeet Mohan Dhar  
**Application No.** 52710 **Filing Date** 9/10/1954  
**Patent No.** 52710 **Grant Date**  
**Country** India **Status** AB/1956
  
4. **Title** A process for the isolation of alkaloids of *Rauwolfia densiflora* Benth  
**Inventor** Moti Lal Dhar, Manojeeet Mohan Dhar & Satyendra Bhattacharji  
**Application No.** 53199 **Filing Date** 3/4/1955  
**Patent No.** 53199 **Grant Date**  
**Country** India **Status** AB/1957
  
5. **Title** An improved method for the isolation of psoralen-isopsoralen from dried fruits of *Psoralea corylifolia*  
**Inventor** Moti Lal Dhar & Satyendra Bhattacharji  
**Application No.** 59265 **Filing Date** 1/2/1957  
**Patent No.** 59265 **Grant Date** 9/17/1958  
**Country** India **Status** LP/1967

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6. **Title** A process for the isolation of the cardioactive glycosides of Digitalis  
**Inventor** Moti Lal Dhar, Manojet Mohan Dhar & Nandoo Mal Khanna  
**Application No.** 58870 **Filing Date** 8/12/1957  
**Patent No.** 58870 **Grant Date** 9/17/1958  
**Country** India **Status** LP/1965
7. **Title** A method for the isolation of psoralen-isopsoralen mixture from the seeds of Psoralea corylifolia  
**Inventor** Satyendra Bhattacharji & Moti Lal Dhar  
**Application No.** 61772 **Filing Date** 9/18/1957  
**Patent No.** 61772 **Grant Date**  
**Country** India **Status** AB/CO
8. **Title** A method for the isolation of psoralen-isopsoralen mixture from the fresh seeds of Psoralea corylifolia (babchi)  
**Inventor** Moti Lal Dhar & Satyendra Bhattacharji  
**Application No.** 59266 **Filing Date** 9/26/1957  
**Patent No.** 59266 **Grant Date** 11/26/1958  
**Country** India **Status** LP/1965
9. **Title** A process for the preparation of a protein hydrolysate for oral use  
**Inventor** C R Krishnamurti & V Verma  
**Application No.** 59455 **Filing Date** 9/27/1957  
**Patent No.** 59455 **Grant Date** 6/25/1958  
**Country** India **Status** LP/1964
10. **Title** A process for the fractionation and isolation of the individual cardioactive glycosides of Digitalis  
**Inventor** Moti Lal Dhar, Manojet Mohan Dhar & Nandoo Mal Khanna  
**Application No.** 62497 **Filing Date** 12/7/1957  
**Patent No.** 62497 **Grant Date** 9/17/1958  
**Country** India **Status** LP/1965

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|-----|------------------------|--|------------------------------|
| 11. | <b>Title</b>           | <b>A process for the treatment of rice bran for the preparation of a tocopherol rich oil, a vitamin B complex concentrate &amp; inositol for medicinal use</b>                     |                              |
|     | <b>Inventor</b>        | <b>C R Krishnamurti &amp; L V Khanna</b>   |                              |
|     | <b>Application No.</b> | 60210  | <b>Filing Date</b> 2/14/1958 |
|     | <b>Patent No.</b>      | 60210  | <b>Grant Date</b> 1/21/1959  |
|     | <b>Country</b>         | <b>India</b>   | <b>Status</b> LP/1966        |
|     |                        |  |                              |
| 12. | <b>Title</b>           | <b>The isolation of a therapeutically active antibiotic and antiviral principle from Withania somnifera (Solanaceae)</b>   |                              |
|     | <b>Inventor</b>        | <b>P A Kurup</b>   |                              |
|     | <b>Application No.</b> | 60827  | <b>Filing Date</b> 2/20/1958 |
|     | <b>Patent No.</b>      | 60827  | <b>Grant Date</b> 3/18/1959  |
|     | <b>Country</b>         | <b>India</b>   | <b>Status</b> LP/1962        |
|     |                        |  |                              |
| 13. | <b>Title</b>           | <b>A process for the isolation of an adsorbent clay from alluvial soils (chickni mitti) for the recovery of vitamin B2 (riboflavin) from natural sources or fermented products</b> |                              |
|     | <b>Inventor</b>        | <b>S C Agarwal &amp; T Sen</b>   |                              |
|     | <b>Application No.</b> | 60866  | <b>Filing Date</b> 3/17/1958 |
|     | <b>Patent No.</b>      | 60866  | <b>Grant Date</b> 12/31/1958 |
|     | <b>Country</b>         | <b>India</b>   | <b>Status</b> LP/1959        |
|     |                        |  |                              |
| 14. | <b>Title</b>           | <b>A process for the preparation and isolation of gelatin and the corresponding lanatosides from Digitalis species</b>   |                              |
|     | <b>Inventor</b>        | <b>Moti Lal Dhar, Manojee Mohan Dhar &amp; Nandoo Mal Khanna</b>   |                              |
|     | <b>Application No.</b> | 64957  | <b>Filing Date</b> 8/14/1958 |
|     | <b>Patent No.</b>      | 64957  | <b>Grant Date</b> 12/23/1959 |
|     | <b>Country</b>         | <b>India</b>   | <b>Status</b> LP/1965        |
|     |                        |  |                              |
| 15. | <b>Title</b>           | <b>A process for the preparation of palatable yeast hydrolysate powder from distillery sludge</b>  |                              |
|     | <b>Inventor</b>        | <b>M K Rastogi &amp; S C Agarwal</b>   |                              |
|     | <b>Application No.</b> | 65283  | <b>Filing Date</b> 9/17/1958 |
|     | <b>Patent No.</b>      | 65283  | <b>Grant Date</b> 6/22/1960  |
|     | <b>Country</b>         | <b>India</b>   | <b>Status</b> LP/1967        |

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16. **Title** A process for the solubilization of water insoluble furocoumarins  
**Inventor** Jagdish Misra & B Mukerji  
**Application No.** 67568 **Filing Date** 5/2/1959  
**Patent No.** 67568 **Grant Date** 5/2/1961  
**Country** India **Status** LP/1964
17. **Title** Long acting oestrogens and other physiologically active compounds from stilboesterol and formaldeyde  
**Inventor** Amiya Bhushan Kar , Manojee Mohan Dhar  
**Application No.** 71945 **Filing Date** 2/25/1961  
**Patent No.** 71945 **Grant Date**  
**Country** India **Status** AB
18. **Title** Central Stimulants of the type of secondary and tertiary amino-phenyl propionate & propanols  
**Inventor** Randheer Singh Kapil, M M Vohra, J D Kohli & Nitya Anand  
**Application No.** 76557 **Filing Date** 5/6/1961  
**Patent No.** 76557 **Grant Date**  
**Country** India **Status** AB
19. **Title** A process for the separation of psoralen and isopsoralen from a mixture of psoralen-isopsoralen  
**Inventor** R V Desai, Satyendra Bhattacharji & Moti Lal Dhar  
**Application No.** 84828 **Filing Date** 10/29/1962  
**Patent No.** 84828 **Grant Date** 8/16/1974  
**Country** India **Status** LP/1976
20. **Title** A process for the preparation of pancreatin from buffalo pancreas  
**Inventor** Apurba Chandra Majumdar, Ramanuj Sen & Permatma Dayal Mathur  
**Application No.** 89685 **Filing Date** 8/31/1963  
**Patent No.** 89685 **Grant Date** 6/21/1975  
**Country** India **Status** LP/1977

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|-----|------------------------|--|--------------------|-----------|
| 21. | <b>Title</b>           | <b>Improvement in or relating to the preparation of an anticonvulsant composition.</b>             |                    |           |
|     | <b>Inventor</b>        | <b>Amiya Prasad Bhaduri, Nandoo Mal Khanna &amp; Moti Lal Dhar</b>                                 |                    |           |
|     | <b>Application No.</b> | 88568  | <b>Filing Date</b> | 3/26/1964 |
|     | <b>Patent No.</b>      | 88568  | <b>Grant Date</b>  |           |
|     | <b>Country</b>         | <b>India</b>   | <b>Status</b>      | AB        |
|     |                        |  |                    |           |
| 22. | <b>Title</b>           | <b>Synthesis of 1-phenyl-2(&amp; 3)-(1'-azacycloheptyl)-propanones and propanols</b>               |                    |           |
|     | <b>Inventor</b>        | <b>Nitya Anand</b>   |                    |           |
|     | <b>Application No.</b> | 95165  | <b>Filing Date</b> | 8/12/1964 |
|     | <b>Patent No.</b>      | 95165  | <b>Grant Date</b>  |           |
|     | <b>Country</b>         | <b>India</b>   | <b>Status</b>      | AB        |
|     |                        |  |                    |           |
| 23. | <b>Title</b>           | <b>Synthesis of 1-phenyl-1-tertiary amine-2-propanones and propanols</b>                           |                    |           |
|     | <b>Inventor</b>        | <b>Nitya Anand</b>   |                    |           |
|     | <b>Application No.</b> | 95166  | <b>Filing Date</b> | 8/12/1964 |
|     | <b>Patent No.</b>      | 95166  | <b>Grant Date</b>  | 8/13/1976 |
|     | <b>Country</b>         | <b>India</b>   | <b>Status</b>      | AB        |
|     |                        |  |                    |           |
| 24. | <b>Title</b>           | <b>Synthesis of substituted 2, 3-diphenylbenzofurans as antifertility agents</b>                   |                    |           |
|     | <b>Inventor</b>        | <b>Pyara Krishan Grover, H P S Chawla, Nitya Anand, Ved Prakash Kamboj &amp; Amiya Bhushan Kar</b> |                    |           |
|     | <b>Application No.</b> | 101713   | <b>Filing Date</b> | 9/25/1965 |
|     | <b>Patent No.</b>      | 101713   | <b>Grant Date</b>  | 2/28/1975 |
|     | <b>Country</b>         | <b>India</b>   | <b>Status</b>      | LP/1976   |
|     |                        |  |                    |           |
| 25. | <b>Title</b>           | <b>N-substituted 1-benzazepines</b>  |                    |           |
|     | <b>Inventor</b>        | <b>Jag Mohan Khanna &amp; Nitya Anand</b>  |                    |           |
|     | <b>Institute</b>       | <b>CDRI</b>  |                    |           |
|     | <b>Application No.</b> | 104319   | <b>Filing Date</b> | 3/16/1966 |
|     | <b>Patent No.</b>      | 104319   | <b>Grant Date</b>  |           |
|     | <b>Country</b>         | <b>India</b>   | <b>Status</b>      | AB/       |

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| 26. | <b>Title</b>           | <b>New central nervous system depressants</b>  |                    |            |
|     | <b>Inventor</b>        | <b>Amiya Prasad Bhaduri, Nandoo Mal Khanna, Chinta Ram Prasad &amp; Jitendra Nath Sharma</b>                       |                    |            |
|     | <b>Institute</b>       | CDRI   |                    |            |
|     | <b>Application No.</b> | 104388   | <b>Filing Date</b> | 3/18/1966  |
|     | <b>Patent No.</b>      | 104388   | <b>Grant Date</b>  |            |
|     | <b>Country</b>         | <b>India</b>   | <b>Status</b>      | AB/        |
|     |                        |  |                    |            |
| 27. | <b>Title</b>           | <b>Amino substituted benzocycloheptenols</b>   |                    |            |
|     | <b>Inventor</b>        | <b>Jag Mohan Khanna &amp; Nitya Anand</b>  |                    |            |
|     | <b>Institute</b>       | CDRI   |                    |            |
|     | <b>Application No.</b> | 103114   | <b>Filing Date</b> | 9/13/1966  |
|     | <b>Patent No.</b>      | 103114   | <b>Grant Date</b>  | 9/6/1974   |
|     | <b>Country</b>         | <b>India</b>   | <b>Status</b>      | LP/1976    |
|     |                        |  |                    |            |
| 28. | <b>Title</b>           | <b>A process for the preparation of isothiocyanates of biological interest</b>                                     |                    |            |
|     | <b>Inventor</b>        | <b>Raman Narayan Iyer, Ranjana Saxena &amp; Jagdish Chandra Katiyar</b>  |                    |            |
|     | <b>Institute</b>       | CDRI   |                    |            |
|     | <b>Application No.</b> | 107244   | <b>Filing Date</b> | 9/29/1966  |
|     | <b>Patent No.</b>      | 107244   | <b>Grant Date</b>  | 10/4/1975  |
|     | <b>Country</b>         | <b>India</b>   | <b>Status</b>      | LP/1974    |
|     |                        |  |                    |            |
| 29. | <b>Title</b>           | <b>A process for the preparation of 4-phenylisoflavan-4-ols and 4-phenylisoflar-3- enes of biological interest</b> |                    |            |
|     | <b>Inventor</b>        | <b>Raghava Gopalachari, Raman Narayan Iyer, Ved Prakash Kamboj &amp; Amiya Bhushan Kar</b>                         |                    |            |
|     | <b>Institute</b>       | CDRI   |                    |            |
|     | <b>Application No.</b> | 103973   | <b>Filing Date</b> | 10/10/1966 |
|     | <b>Patent No.</b>      | 103973   | <b>Grant Date</b>  |            |
|     | <b>Country</b>         | <b>India</b>   | <b>Status</b>      | LP/NA      |
|     |                        |  |                    |            |
| 30. | <b>Title</b>           | <b>A process for the preparation of homatropine and its hydrobromide</b>   |                    |            |
|     | <b>Inventor</b>        | <b>Edward Samson, Dewan Singh Bhakuni &amp; R.P.Rastogi</b>  |                    |            |
|     | <b>Institute</b>       | CDRI   |                    |            |
|     | <b>Application No.</b> | 107626   | <b>Filing Date</b> | 10/25/1966 |
|     | <b>Patent No.</b>      | 107626   | <b>Grant Date</b>  | 9/6/1974   |
|     | <b>Country</b>         | <b>India</b>   | <b>Status</b>      | LP/1976    |

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31. **Title** Substituted 1,2 -diphenylnaphtho -2 [2,1-b] furans and intermediates therefor  
**Inventor** Harmander Pal Singh Chawla, Pyara Krishan Grover, Nitya Anand, Ved Prakash Kamboj & Amiya Bhushan Kar  
**Institute** CDRI  
**Application No.** 107726 **Filing Date** 10/29/1966  
**Patent No.** 107726 **Grant Date**  
**Country** India **Status** AB
32. **Title** A device for intra-ovarian injection in large animals  
**Inventor** Shambhu Nath Chatterjee, Khalil Ahmad & Amiya Bhushan Kar  
**Institute** CDRI  
**Application No.** 108145 **Filing Date** 11/25/1966  
**Patent No.** 108145 **Grant Date** 1/24/1969  
**Country** India **Status** LP/1980
33. **Title** A process for the preparation of 2,3-diphynylacrylophenones of biological interest  
**Inventor** Raman Narayan Iyer , Raghava Gopalachari , Ved Prakash Kamboj , Amiya Bhushan Kar  
**Institute** CDRI  
**Application No.** 108726 **Filing Date** 1/4/1967  
**Patent No.** 108726 **Grant Date**  
**Country** India **Status** LP/NA
34. **Title** A process for the isolation of constituents of Paspalum scorbiculatom which possess tranquilizing properties  
**Inventor** Jata Shankar Tandon & Manojeeet Mohan Dhar  
**Institute** CDRI  
**Application No.** 108853 **Filing Date** 1/16/1967  
**Patent No.** 108853 **Grant Date** 9/27/1974  
**Country** India **Status** LP/NA
35. **Title** A process for the recovery of anhydrous lanolin of B.P. and U.S.P. quality from crude wool fat  
**Inventor** Narendra Kumar Garg & Ramadorai Krishnamurti  
**Institute** CDRI

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### Patents Filed/ Granted

	<b>Application No.</b>	105190	<b>Filing Date</b>	2/6/1967
	<b>Patent No.</b>	105190	<b>Grant Date</b>	7/16/1968
	<b>Country</b>	India	<b>Status</b>	LP/1974
<b>36.</b>	<b>Title</b>	<b>1-(3-aryloxy-2-substituted propyl)-4-phenylpiperazines</b>		
	<b>Inventor</b>	<b>Sudhangshu Mukerji, Sunik Krishna Chatterjee, Nitya Anand, Indra Mohan Chak, Rikhab Chand Srimal, Prithvi Raj Dua, Rathindra Nath Sur, Jitendra Nath Sharma, Krishna Chandra Mukerji &amp; Mangal Prasad Dubey</b>		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	110853	<b>Filing Date</b>	5/29/1967
	<b>Patent No.</b>	110853	<b>Grant Date</b>	
	<b>Country</b>	India	<b>Status</b>	LP/NA
<b>37.</b>	<b>Title</b>	<b>3,3 -bis-carissyl thiocarbohydrazone, as new anti-mycobacterial agent</b>		
	<b>Inventor</b>	<b>Amiya Prasad Bhaduri, Ishwar Swaroop Mathur, Ram Prakash Rastogi, Sudhir Kumar Gupta &amp; Nandoo Mal Khanna</b>		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	113545	<b>Filing Date</b>	12/12/1967
	<b>Patent No.</b>	113545	<b>Grant Date</b>	
	<b>Country</b>	India	<b>Status</b>	AB
<b>38.</b>	<b>Title</b>	<b>Synthesis of substituted 5,6-polymethylene benzofurans and intermediates thereof</b>		
	<b>Inventor</b>	<b>Harmander Pal Singh Chawla, Pyara Krishan Grover, Nitya Anand, Ved Prakash Kamboj &amp; Amiya Bhushan Kar</b>		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	113546	<b>Filing Date</b>	12/12/1967
	<b>Patent No.</b>	113546	<b>Grant Date</b>	
	<b>Country</b>	India	<b>Status</b>	AB
<b>39.</b>	<b>Title</b>	<b>A process for the preparation of 1,2,3-triphenylpropenes used as anti fertility agents</b>		
	<b>Inventor</b>	<b>Raman Narayan Iyer, Raghava Gopalachari, Ved Prakash Kamboj &amp; Amiya Bhushan Kar</b>		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	114324	<b>Filing Date</b>	2/2/1968
	<b>Patent No.</b>	114324	<b>Grant Date</b>	2/19/1969

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	<b>Country</b>	<b>India</b>	<b>Status</b>	<b>LP/1974</b>
<b>40.</b>	<b>Title</b>	<b>1-(2-oxy-3-substituted amino-propoxy) phenyl-albenones</b>		
	<b>Inventor</b>	<b>Shree Niwas Rastogi, Chinta Ram Prasad, Jitendra Nath Sharma, Bhola Nath Dhawan &amp; Nitya Anand</b>		
	<b>Institute</b>	<b>CDRI</b>		
	<b>Application No.</b>	<b>119086</b>	<b>Filing Date</b>	<b>12/19/1968</b>
	<b>Patent No.</b>	<b>119086</b>	<b>Grant Date</b>	<b>10/10/1975</b>
	<b>Country</b>	<b>India</b>	<b>Status</b>	<b>LP/1979</b>
<b>41.</b>	<b>Title</b>	<b>Synthesis of 10,11-dihydro-5h-dibenzo(a d) cyclohepten-5-ones</b>		
	<b>Inventor</b>	<b>Shree Niwas Rastogi, Jasjit Singh Bindra, Randheer Singh Kapil &amp; Nitya Anand</b>		
	<b>Institute</b>	<b>CDRI</b>		
	<b>Application No.</b>	<b>129513</b>	<b>Filing Date</b>	<b>12/5/1970</b>
	<b>Patent No.</b>	<b>129513</b>	<b>Grant Date</b>	
	<b>Country</b>	<b>India</b>	<b>Status</b>	<b>LP/NA</b>
<b>42.</b>	<b>Title</b>	<b>Synthesis of substituted 4,5-dihydrobenzo (5-6) cyclohex [1,2-c] pyrazoles, 3a,4,5,6-tetrahydrobenzene (6-7) cyclohept [1,3-c] pyrazoles and pyrazol-3(2h)ones</b>		
	<b>Inventor</b>	<b>Shree Niwas Rastogi, Randheer Singh Kapil &amp; Nitya Anand</b>		
	<b>Institute</b>	<b>CDRI</b>		
	<b>Application No.</b>	<b>130147</b>	<b>Filing Date</b>	<b>2/3/1971</b>
	<b>Patent No.</b>	<b>130147</b>	<b>Grant Date</b>	
	<b>Country</b>	<b>India</b>	<b>Status</b>	<b>AB</b>
<b>43.</b>	<b>Title</b>	<b>Production of levan or like polysaccharide by fermentation</b>		
	<b>Inventor</b>	<b>Bhuban Mohan Gupta &amp; I V Clifford</b>		
	<b>Institute</b>	<b>CDRI</b>		
	<b>Application No.</b>	<b>87957</b>	<b>Filing Date</b>	<b>4/17/1972</b>
	<b>Patent No.</b>	<b>87957</b>	<b>Grant Date</b>	<b>9/13/1974</b>
	<b>Country</b>	<b>India</b>	<b>Status</b>	<b>LP/1977</b>
<b>44.</b>	<b>Title</b>	<b>The preparation of 5-nitrofufuraldehyde</b>		
	<b>Inventor</b>	<b>Amiya Prasad Bhaduri, Nandoo Mal Khanna &amp; K P Agarwal</b>		

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	<b>Institute</b>	CDRI		
	<b>Application No.</b>	99586	<b>Filing Date</b>	4/20/1972
	<b>Patent No.</b>	99586	<b>Grant Date</b>	11/1/1974
	<b>Country</b>	India	<b>Status</b>	LP/1977
<b>45.</b>	<b>Title</b>	<b>Improvement in or relating to the preparation of new vasodilators, antihypertension and anti-ametic compositions with moderate tranquilising effect.</b>		
	<b>Inventor</b>	<b>Amiya Prasad Bhaduri, Nandoo Mal Khanna, Karunamai Kar &amp; R N Sur</b>		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	99587	<b>Filing Date</b>	4/20/1972
	<b>Patent No.</b>	99587	<b>Grant Date</b>	1/9/1976
	<b>Country</b>	India	<b>Status</b>	LP/1979
<b>46.</b>	<b>Title</b>	<b>A process for the synthesis of 3,8-disubstituted 4-oxo-perhydro [1,2-c]-piperazino-pyrimidines</b>		
	<b>Inventor</b>	<b>Ranjana Saxena, Ranjit Krishna Chatterjee, Raman Narayan Iyer, Amiya Bhushan Sen &amp; Nitya Anand</b>		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	113616	<b>Filing Date</b>	4/20/1972
	<b>Patent No.</b>	113616	<b>Grant Date</b>	9/27/1974
	<b>Country</b>	India	<b>Status</b>	LP/1977
<b>47.</b>	<b>Title</b>	<b>A process for the preparation of 2: 3-diphenylindoles of the biological interest</b>		
	<b>Inventor</b>	<b>Raman Narayan Iyer, Raghva Gopalachari, Ved Prakash Kamboj &amp; Amiya Bhushan Kar</b>		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	103093	<b>Filing Date</b>	4/20/1972
	<b>Patent No.</b>	103093	<b>Grant Date</b>	7/17/1976
	<b>Country</b>	India	<b>Status</b>	LP/1977
<b>48.</b>	<b>Title</b>	<b>A process for the preparation of O,O'-dimethylhayatin dimethochloride, a muscle relaxant</b>		
	<b>Inventor</b>	<b>Akhilesh Kumar Bhatnagar, Satyendra Bhattacharji, Satya Prakash Popli &amp; Moti Lal Dhar</b>		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	112530	<b>Filing Date</b>	4/20/1972
	<b>Patent No.</b>	112530	<b>Grant Date</b>	9/6/1974

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### Patents Filed/ Granted

Country	India	Status	LP/1976	
49.	<b>Title</b> <b>Inventor</b> <b>Institute</b> <b>Application No.</b> <b>Patent No.</b> <b>Country</b>	<b>New tranquil sedatives a process for the preparation of 3-amino or substituted amino benzo(6,7)-quinazoline-4-ones</b> <b>Amiya Prasad Bhaduri, J N Sharma, C R Prasad &amp; Nandoo Mal Khanna</b> <b>CDRI</b> <b>108723</b> <b>108723</b> <b>India</b>	<b>Filing Date</b> <b>Grant Date</b> <b>Status</b>	<b>4/20/1972</b> <b>4/24/1976</b> <b>TO/1979</b>
50.	<b>Title</b> <b>Inventor</b> <b>Institute</b> <b>Application No.</b> <b>Patent No.</b> <b>Country</b>	<b>2-substituted 1,2,3,4,6,7,12,12 a-octahdropyraziono (2,1:6,1)pyrido(3, 4-b) indoles</b> <b>Anil Kumar Saxena, Padam Chand Jain, Gurubaksh Singh, Prithvi Raj Dua, Rikhab Chand Srimal, Bhola Nath Dhawan &amp; Nitya Anand</b> <b>CDRI</b> <b>131367</b> <b>131367</b> <b>India</b>	<b>Filing Date</b> <b>Grant Date</b> <b>Status</b>	<b>4/20/1972</b> <b>11/15/1974</b> <b>TO/1979</b>
51.	<b>Title</b> <b>Inventor</b> <b>Institute</b> <b>Application No.</b> <b>Patent No.</b> <b>Country</b>	<b>Asclepin, a new cardiotoxic agent from asclepias curassaca Linn</b> <b>Bhagirat Harendra Singh, Ram Prakash Rastogi, Gynendra Kumar Patnaik &amp; Bhola Nath Dhawan</b> <b>CDRI</b> <b>128642</b> <b>128642</b> <b>India</b>	<b>Filing Date</b> <b>Grant Date</b> <b>Status</b>	<b>4/20/1972</b> <b>1/31/1975</b> <b>TO/1979</b>
52.	<b>Title</b> <b>Inventor</b> <b>Institute</b> <b>Application No.</b> <b>Patent No.</b> <b>Country</b>	<b>A process for the synthesis of 2,2-disubstituted-3,4-diphenyl chromans</b> <b>Suprabhat Ray, Ved Prakash Kamboj, Pyara Krishan Grover, Nitya Anand &amp; Amiya Bhushan Kar</b> <b>CDRI</b> <b>129187</b> <b>129187</b> <b>India</b>	<b>Filing Date</b> <b>Grant Date</b> <b>Status</b>	<b>4/20/1972</b> <b>5/29/1976</b> <b>TO/1979</b>

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### Patents Filed/ Granted

- 53. Title** A process for the synthesis of 2,3-disubstituted 3,4-diphenyl-chromenes
- Inventor** Suprabhat Ray, Pyara Krishan Grover & Nitya Anand
- Institute** CDRI
- Application No.** 129188      **Filing Date** 4/20/1972
- Patent No.** 129188      **Grant Date** 8/9/1974
- Country** India      **Status** TO/1979
- 
- 54. Title** A process for the synthesis of 2, 6-disubstituted 2,3,4,4a,5,6,7,8 - octahydro piperazino(1-2-c)pyrimidin - 1-ones
- Inventor** Satyawan Sharma, Ranjana Saxena, R N Iyer & Nitya Anand
- Institute** CDRI
- Application No.** 129251      **Filing Date** 4/20/1972
- Patent No.** 129251      **Grant Date** 10/4/1975
- Country** India      **Status** TO/1979
- 
- 55. Title** A process for the synthesis of cis-and trans-3, 4-diphenyl-chromans
- Inventor** Suprabhat Ray , Pyara Krishan Grover & Nitya Anand
- Institute** CDRI
- Application No.** 129252      **Filing Date** 4/20/1972
- Patent No.** 129252      **Grant Date** 8/28/1976
- Country** India      **Status** TO/1979
- 
- 56. Title** 3-substituted 2,3,4,4a,5,6-hexahydro -1(H) pyrazino (1,2-a) quinoline
- Inventor** Varanasi Aruna Rao, Prem Chand Jain, Nitya Anand, Rikhab Chand Srimal & Bhola Nath Dhawan
- Institute** CDRI
- Application No.** 122259      **Filing Date** 4/20/1972
- Patent No.** 122259      **Grant Date** 5/29/1976
- Country** India      **Status** TO/1979
- 
- 57. Title** An improved synthesis of 2,3,4,4a,5,6-hexahydro-1(H)pyrazino(1,2-a)quinoline
- Inventor** Varanasi Aruna Rao, Prem Chand Jain & Nitya Anand
- Institute** CDRI
- Application No.** 122260      **Filing Date** 4/20/1972

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### Patents Filed/ Granted

	<b>Patent No.</b>	122260	<b>Grant Date</b>	6/11/1976
	<b>Country</b>	India	<b>Status</b>	TO/1979
<b>58.</b>	<b>Title</b>	A process for the preparation of 2-substituted amino-4-hydroxy polymethylene(5,6)-pyrimidines as oral hypoglycine agents		
	<b>Inventor</b>	Chattar Mal Gupta, M A Hai, S T Hussain, H M Chakravarty, Amiya Prasad Bhaduri, Nandoo Mal Khanna & S K Mukherjee		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	118993	<b>Filing Date</b>	4/20/1972
	<b>Patent No.</b>	118993	<b>Grant Date</b>	11/1/1974
	<b>Country</b>	India	<b>Status</b>	TO/1979
<b>59.</b>	<b>Title</b>	A process for the preparation of 2 piperazino-4-hydroxybenzo (5,6) pyrimidines as oral hypoglycine agents		
	<b>Inventor</b>	Chattar Mal Gupta, M A Hai, S T Hussain, H M Chakravarty, Amiya Prasad Bhaduri, Nandoo Mal Khanna & S K Mukherjee		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	118994	<b>Filing Date</b>	4/20/1972
	<b>Patent No.</b>	118994	<b>Grant Date</b>	11/1/1974
	<b>Country</b>	India	<b>Status</b>	TO/1979
<b>60.</b>	<b>Title</b>	A process for the preparation of 1-alkyl or aryl -4(b)-2(quinolyl or 1,2,3,4 tetrahydroquinolyl)-ethylpiperazines		
	<b>Inventor</b>	Varanasi Aruna Murthi, Padam Chand Jain, Jitendra Nath Sharma, Rikhab Chand Srimal, Bhola Nath Dhawan & Nitya Anand		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	773/72	<b>Filing Date</b>	5/7/1972
	<b>Patent No.</b>	135946	<b>Grant Date</b>	5/24/1975
	<b>Country</b>	India	<b>Status</b>	TO/1979
<b>61.</b>	<b>Title</b>	A process for the synthesis of N- substituted 3-aminoacrylophenones		
	<b>Inventor</b>	Ram Chandra Gupta, S K Chatterjee, Nitya Anand, Rikhab Chand Srimal & Bhola Nath Dhawan		
	<b>Institute</b>	CDRI		

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### Patents Filed/ Granted

- |            |                        |   |                    |                  |
|------------|------------------------|---|--------------------|------------------|
|            | <b>Application No.</b> | 907/72  | <b>Filing Date</b> | 7/6/1972         |
|            | <b>Patent No.</b>      | 135887  | <b>Grant Date</b>  | 12/12/1975       |
|            | <b>Country</b>         | India   | <b>Status</b>      | TO/1979          |
| <b>62.</b> | <b>Title</b>           | <b>A process for the synthesis of N- substituted 3-aminomethyl chromans and intermediates thereof</b> |                    |                  |
|            | <b>Inventor</b>        | <b>Ram Chandra Gupta, Nitya Anand, C R Prasad &amp; Bhola Nath Dhawan</b>                             |                    |                  |
|            | <b>Institute</b>       | CDRI  |                    |                  |
|            | <b>Application No.</b> | 906/72  | <b>Filing Date</b> | 7/19/1972        |
|            | <b>Patent No.</b>      | 136109  | <b>Grant Date</b>  | 8/2/1975         |
|            | <b>Country</b>         | India   | <b>Status</b>      | TO/1979          |
| <b>63.</b> | <b>Title</b>           | <b>Synthesis of 4-substituted 2:3-pentamethylene quinolines</b>                                       |                    |                  |
|            | <b>Inventor</b>        | <b>Jasjit Singh Bindra, Gynendra Kumar Patnaik, M M Vohra &amp; Nitya Anand</b>                       |                    |                  |
|            | <b>Institute</b>       | CDRI  |                    |                  |
|            | <b>Application No.</b> | 103064  | <b>Filing Date</b> | 11/20/1972       |
|            | <b>Patent No.</b>      | 103064  | <b>Grant Date</b>  | 5/1/1976         |
|            | <b>Country</b>         | India   | <b>Status</b>      | LP/1978          |
| <b>64.</b> | <b>Title</b>           | <b>2-substituted-1,2,3,4,6,7,12a-octahydropyrazino(2',1':6,1-)pyrido [3,4-b] indoles.</b>             |                    |                  |
|            | <b>Inventor</b>        | <b>Anil Kumar Saxena, P C Jain, G Singh, P R Dua, R C Srimal, Bhola Nath Dhawan &amp; Nitya Anand</b> |                    |                  |
|            | <b>Institute</b>       | CDRI  |                    |                  |
|            | <b>Application No.</b> | 16533/73  | <b>Filing Date</b> | 1/12/1973        |
|            | <b>Patent No.</b>      | 596205  | <b>Grant Date</b>  |                  |
|            | <b>Country</b>         | Switzerland   | <b>Status</b>      | TO/91            |
| <b>65.</b> | <b>Title</b>           | <b>2-substituted-1,2,3,4,6,7,12a-octahydropyrazino(2',1':6,1-)pyrido [3,4-b] indoles.</b>             |                    |                  |
|            | <b>Inventor</b>        | <b>Anil Kumar Saxena, P C Jain, G Singh, P R Dua, R C Srimal, Bhola Nath Dhawan &amp; Nitya Anand</b> |                    |                  |
|            | <b>Institute</b>       | CDRI  |                    |                  |
|            | <b>Application No.</b> | 346408  | <b>Filing Date</b> | 3/30/1973        |
|            | <b>Patent No.</b>      | 3917599   | <b>Grant Date</b>  | 11/4/1975        |
|            | <b>Country</b>         | United States   | <b>Status</b>      | TO/20 YEARS OVER |

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66. **Title** 2-substituted-1,2,3,4,6,7,12a-octahydropyrazino(2',1':6,1-)  
pyrido [3,4-b] indoles.
- Inventor** Anil Kumar Saxena, P C Jain, G Singh, P R Dua, R C  
Srimal, Bhola Nath Dhawan & Nitya Anand
- Institute** CDRI
- Application No.** 172016 **Filing Date** 5/23/1973
- Patent No.** 982132 **Grant Date** 1/20/1976
- Country** Canada **Status** TO/1993
67. **Title** Process for the synthesis of 4-substituted aminomethyl-3 4-  
dihydro-1-benzoxepin (2H) 5-ones
- Inventor** Vishnu Kumar Tandon, Jag Mohan Khanna, Nitya Anand,  
Karunamai Kar, Rabindranath Sur, Rathindranath Sur &  
Bhola Nath Dhawan
- Institute** CDRI
- Application No.** 2079CAL1973 **Filing Date** 9/12/1973
- Patent No.** 138491 **Grant Date** 10/30/1976
- Country** India **Status** TO/1980
68. **Title** Process for production of new antiviral  
substance(designated 6-MFA from a strain of fungus  
Aspergillus flavus)
- Inventor** Radhakant Maheswari & Bhuban Mohan Gupta
- Institute** CDRI
- Application No.** 2115CAL1973 **Filing Date** 9/17/1973
- Patent No.** 139278 **Grant Date** 1/22/1977
- Country** India **Status** TO/1980
69. **Title** A process for the synthesis of 3-(5-hydroxybenzo  
cycloalkenoxy)-2-hydroxypropylamines
- Inventor** Shree Niwas Rastogi, Prem Chand Jain, Nitya Anand,  
Mangal Prasad Dubey, Rikhab Chand Srimal, Karunamai  
Kar & Bhola Nath Dhawan
- Institute** CDRI
- Application No.** 2116CAL1973 **Filing Date** 9/17/1973
- Patent No.** 136944 **Grant Date** 2/13/1976
- Country** India **Status** TO/1980
70. **Title** 2-substituted-1,2,3,4,6,7,12a-octahydropyrazino(2',1':6,1-)  
pyrido [3,4-b] indoles.

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### Patents Filed/ Granted

- |                        |   |                    |            |
|------------------------|---|--------------------|------------|
| <b>Inventor</b>        | <b>Anil Kumar Saxena, P C Jain, G Singh, P R Dua, R C Srimal, Bhola Nath Dhawan &amp; Nitya Anand</b> |                    |            |
| <b>Institute</b>       | CDRI  |                    |            |
| <b>Application No.</b> | 7314117-8   | <b>Filing Date</b> | 10/17/1973 |
| <b>Patent No.</b>      | 596205  | <b>Grant Date</b>  | 10/11/1979 |
| <b>Country</b>         | Switzerland   | <b>Status</b>      | TO/1991    |
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|-----|------------------------|---|-------------------------------|
| 71. | <b>Title</b>           | <b>2-substituted-1,2,3,4,6,7,12a-octahydropyrazino(2',1':6,1-)<br/>pyrido [3,4-b] indoles.</b>        |                               |
|     | <b>Inventor</b>        | <b>Anil Kumar Saxena, P C Jain, G Singh, P R Dua, R C Srimal, Bhola Nath Dhawan &amp; Nitya Anand</b> |                               |
|     | <b>Institute</b>       | CDRI  |                               |
|     | <b>Application No.</b> | 44002/73  | <b>Filing Date</b> 10/19/1973 |
|     | <b>Patent No.</b>      | 1454171   | <b>Grant Date</b>             |
|     | <b>Country</b>         | United Kingdom  | <b>Status</b> LP/85           |
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- |     |                        |   |                               |
|-----|------------------------|---|-------------------------------|
| 72. | <b>Title</b>           | <b>2-substituted-1,2,3,4,6,7,12a-octahydropyrazino(2',1':6,1-)<br/>pyrido [3,4-b] indoles.</b>        |                               |
|     | <b>Inventor</b>        | <b>Anil Kumar Saxena, P C Jain, G Singh, P R Dua, R C Srimal, Bhola Nath Dhawan &amp; Nitya Anand</b> |                               |
|     | <b>Institute</b>       | CDRI  |                               |
|     | <b>Application No.</b> | 7315803   | <b>Filing Date</b> 11/19/1973 |
|     | <b>Patent No.</b>      | 171270  | <b>Grant Date</b> 3/1/1983    |
|     | <b>Country</b>         | Netherlands   | <b>Status</b> TO/1991         |
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- |     |                        |   |                               |
|-----|------------------------|---|-------------------------------|
| 73. | <b>Title</b>           | <b>Process for preparation of <math>\beta</math> N- di-N propalaminoethyl-O-<br/>methoxyphenyl ether and its salt</b> |                               |
|     | <b>Inventor</b>        | <b>Amiya Prasad Bhaduri, Karunamai Kar, R N Sur &amp; Nandoo Mal Khanna</b>   |                               |
|     | <b>Institute</b>       | CDRI  |                               |
|     | <b>Application No.</b> | 2770CAL1973   | <b>Filing Date</b> 12/19/1973 |
|     | <b>Patent No.</b>      | 138443  | <b>Grant Date</b> 12/31/1976  |
|     | <b>Country</b>         | India   | <b>Status</b> TO/1980         |
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- |     |                        |   |                              |
|-----|------------------------|---|------------------------------|
| 74. | <b>Title</b>           | <b>2-substituted-1,2,3,4,6,7,12a-octahydropyrazino(2',1':6,1-)<br/>pyrido [3,4-b] indoles.</b>        |                              |
|     | <b>Inventor</b>        | <b>Anil Kumar Saxena, P C Jain, G Singh, P R Dua, R C Srimal, Bhola Nath Dhawan &amp; Nitya Anand</b> |                              |
|     | <b>Institute</b>       | CDRI  |                              |
|     | <b>Application No.</b> | 7409968   | <b>Filing Date</b> 3/22/1974 |

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	<b>Patent No.</b>	2223013	<b>Grant Date</b>	6/20/1977
	<b>Country</b>	France	<b>Status</b>	TO/1992
<b>75.</b>	<b>Title</b>	2-substituted-1,2,3,4,6,7,12a-octahydropyrazino(2',1':6,1-pyrido [3,4-b] indoles.		
	<b>Inventor</b>	Anil Kumar Saxena, P C Jain, G Singh, P R Dua, R C Srimal, Bhola Nath Dhawan & Nitya Anand		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	171274	<b>Filing Date</b>	3/28/1974
	<b>Patent No.</b>	141702	<b>Grant Date</b>	10/27/1980
	<b>Country</b>	Denmark	<b>Status</b>	TO/1991
<b>76.</b>	<b>Title</b>	(3,4-disubstituted phenyl)lower Alkyl-aminopyridines & intermediates obtained in the sythesis thereof		
	<b>Inventor</b>	Prem Chand Jain, Sunil Krishna Chatterjee & Nitya Anand		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	101836	<b>Filing Date</b>	4/20/1974
	<b>Patent No.</b>	101836	<b>Grant Date</b>	4/9/1976
	<b>Country</b>	India	<b>Status</b>	LP/1978
<b>77.</b>	<b>Title</b>	Substituted piperazines and intermediate obtained in the sythesis thereof		
	<b>Inventor</b>	Prem Chand Jain & Nitya Anand		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	101837	<b>Filing Date</b>	4/27/1974
	<b>Patent No.</b>	101837	<b>Grant Date</b>	4/9/1976
	<b>Country</b>	India	<b>Status</b>	LP/1978
<b>78.</b>	<b>Title</b>	A process for the preparation of 1-alkyl or aryl -4(b-2(quinolyl or 1,2,3,4 tetrahydroquinolyl)-ethylpiperazines		
	<b>Inventor</b>	V A Rao, P C Jain, J N Sharma, R C Srimal, Bhola Nath Dhawan & Nitya Anand		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	19582/74	<b>Filing Date</b>	5/3/1974
	<b>Patent No.</b>	1454361	<b>Grant Date</b>	3/2/1977
	<b>Country</b>	United Kingdom	<b>Status</b>	LP/1988

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### Patents Filed/ Granted

79. **Title** A process for the preparation of 1-alkyl or aryl -4(b-2(quinolyl or 1,2,3,4 tetrahydroquinolyl)-ethylpiperazines
- Inventor** V A Rao, P C Jain, J N Sharma, R C Srimal, Bhola Nath Dhawan & Nitya Anand
- Institute** CDRI
- Application No.** 7416294 **Filing Date** 5/10/1974
- Patent No.** 2279403 **Grant Date**
- Country** France **Status** LP/87
- 
80. **Title** Process for preparation of pepsin from buffalo and goat stomach
- Inventor** Permatma Dayal Mathur, Shree Kant Sharma & Coimbatore Ramdorai Krishnamurti
- Institute** CDRI
- Application No.** 1203CAL1974 **Filing Date** 6/1/1974
- Patent No.** 140034 **Grant Date** 4/16/1977
- Country** India **Status** TO/1981
- 
81. **Title** A process for the preparation of 1-alkyl or aryl -4(b-2(quinolyl or 1,2,3,4 tetrahydroquinolyl)-ethylpiperazines
- Inventor** V A Rao, P C Jain, J N Sharma, R C Srimal, Bhola Nath Dhawan & Nitya Anand
- Institute** CDRI
- Application No.** 202531 **Filing Date** 6/14/1974
- Patent No.** 1038389 **Grant Date** 9/12/1978
- Country** Canada **Status** TO/1995
- 
82. **Title** Process for the preparation of purified stable fibrinogen from human blood plasma
- Inventor** Krishna Chandra Saxena, Aruna Tandon, Ram Prakash Saxena & Keshar Ram
- Institute** CDRI
- Application No.** 1328CAL1974 **Filing Date** 6/17/1974
- Patent No.** 140400 **Grant Date** 6/4/1977
- Country** India **Status** TO/1981
- 
83. **Title** Process for the isolation of "Coleonol" a new hypotensive & spasmolytic diterpene from the roots of plant Coleus barbatus

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### Patents Filed/ Granted

- |                        |  |                    |           |
|------------------------|--|--------------------|-----------|
| <b>Inventor</b>        | <b>Jai Shankar Tandon, Manojee Mohan Dhar, Rikhab Chand Srimal, Gynendra Kumar Patnaik, Karunamai Kar, Mangal Prasad Dubey, Vishambhar Nath Puri &amp; Bhola Nath Dhawan</b> |                    |           |
| <b>Institute</b>       | CDRI   |                    |           |
| <b>Application No.</b> | 1331CAL1974  | <b>Filing Date</b> | 6/17/1974 |
| <b>Patent No.</b>      | 140419   | <b>Grant Date</b>  | 6/18/1977 |
| <b>Country</b>         | <b>India</b>   | <b>Status</b>      | TO/1981   |
- 
- |                        |   |                    |           |
|------------------------|---|--------------------|-----------|
| <b>84. Title</b>       | <b>A process for the preparation of 1-alkyl or aryl -4(b-2(quinolyl or 1,2,3,4 tetrahydroquinolyl)-ethylpiperazines</b> |                    |           |
| <b>Inventor</b>        | <b>V A Rao, P C Jain, J N Sharma, R C Srimal, Bhola Nath Dhawan &amp; Nitya Anand</b>                                   |                    |           |
| <b>Institute</b>       | CDRI  |                    |           |
| <b>Application No.</b> | 484527  | <b>Filing Date</b> | 7/1/1974  |
| <b>Patent No.</b>      | 3983121   | <b>Grant Date</b>  | 9/28/1976 |
| <b>Country</b>         | <b>United States</b>  | <b>Status</b>      | TO/1993   |
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- |                        |   |                    |           |
|------------------------|---|--------------------|-----------|
| <b>85. Title</b>       | <b>A process for the preparation of trypsin from buffalo and goat pancreas</b>      |                    |           |
| <b>Inventor</b>        | <b>Vikash Chandra Pandey, Lalit Mohan Tripathi &amp; Varanasi Krishna Mohan Rao</b> |                    |           |
| <b>Institute</b>       | CDRI  |                    |           |
| <b>Application No.</b> | 1803CAL1974   | <b>Filing Date</b> | 8/13/1974 |
| <b>Patent No.</b>      | 140136  | <b>Grant Date</b>  | 4/23/1977 |
| <b>Country</b>         | <b>India</b>  | <b>Status</b>      | TO/1981   |
- 
- |                        |   |                    |           |
|------------------------|---|--------------------|-----------|
| <b>86. Title</b>       | <b>A process for the synthesis of nitro benzanilides</b>  |                    |           |
| <b>Inventor</b>        | <b>Harindra Singh, Satyawan Sharma, R N Iyer, P Govila, Jagdish Chandra Katiyar &amp; Amiya Bhushan Sen</b> |                    |           |
| <b>Institute</b>       | CDRI  |                    |           |
| <b>Application No.</b> | 1971CAL1974   | <b>Filing Date</b> | 9/3/1974  |
| <b>Patent No.</b>      | 140137  | <b>Grant Date</b>  | 4/23/1977 |
| <b>Country</b>         | <b>India</b>  | <b>Status</b>      | LP/1980   |
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- |                        |  |                    |           |
|------------------------|--|--------------------|-----------|
| <b>87. Title</b>       | <b>Synthesis of 8-aza-9-oxo-15-hydroxy-and-11, 15-dihydroxyprostanic acids</b> |                    |           |
| <b>Inventor</b>        | <b>Subodh Kumar, Chattar Mal Gupta &amp; Nitya Anand</b>                       |                    |           |
| <b>Institute</b>       | CDRI   |                    |           |
| <b>Application No.</b> | 2152CAL1974  | <b>Filing Date</b> | 9/26/1974 |

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### Patents Filed/ Granted

	<b>Patent No.</b>	143125	<b>Grant Date</b>	8/11/1978
	<b>Country</b>	India	<b>Status</b>	LP/1979
<b>88.</b>	<b>Title</b>	<b>Process for the synthesis of 9-substituted amino 1,2,3,4-tetrahydroacridines as local anaesthetics</b>		
	<b>Inventor</b>	<b>Shree Niwas Rastogi, Jasjit Singh Bindra, Nitya Anand, Gynendra Kumar Patnaik &amp; Prem Prakash Gupta</b>		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	2832CAL1974	<b>Filing Date</b>	12/21/1974
	<b>Patent No.</b>	140483	<b>Grant Date</b>	7/8/1977
	<b>Country</b>	India	<b>Status</b>	TO/1981
<b>89.</b>	<b>Title</b>	<b>A process for the synthesis of 3-substituted 4-oxo-5h-pyridazino [4,5-b]indoles as tubal occluding agents</b>		
	<b>Inventor</b>	<b>Ananthanarayanan Chittur Venkateswar, Shree Niwas Rastogi, Nitya Anand, Brijesh Malaviya, Nirmal Kumari Sud, Harish Chandra &amp; Amiya Bhushan Kar</b>		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	0117CAL1975	<b>Filing Date</b>	1/21/1975
	<b>Patent No.</b>	141294	<b>Grant Date</b>	12/9/1977
	<b>Country</b>	India	<b>Status</b>	TO/1982
<b>90.</b>	<b>Title</b>	<b>A process for the preparation of 1-alkyl or aryl -4(b-2(quinolyl or 1,2,3,4 tetrahydroquinolyl)-ethylpiperazines</b>		
	<b>Inventor</b>	<b>V A Rao, P C Jain, J N Sharma, R C Srimal, Bhola Nath Dhawan &amp; Nitya Anand</b>		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	7406101	<b>Filing Date</b>	5/7/1975
	<b>Patent No.</b>	175821	<b>Grant Date</b>	12/4/1984
	<b>Country</b>	Netherlands	<b>Status</b>	LP/1988
<b>91.</b>	<b>Title</b>	<b>Process for the synthesis of 2-alkyl 6 <math>\beta</math> ethyl 3-<math>\beta</math> substituted phenyl transbicyclo 4,3,O nonan-7 <math>\beta</math>-ols and derivatives as antifertility agents</b>		
	<b>Inventor</b>	<b>Ram Chandra Gupta, Nitya Anand &amp; Ved Prakash Kamboj</b>		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	1425CAL1975	<b>Filing Date</b>	7/22/1975
	<b>Patent No.</b>	140785	<b>Grant Date</b>	12/17/1977
	<b>Country</b>	India	<b>Status</b>	TO/1982

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### Patents Filed/ Granted

92. **Title** A process for the production of spermicidal saponins from plants  
**Inventor** Hari Shankar Garg, Bachu Srinivasulu Setty, Ved Prakash Kamboj & Nandoo Mal Khanna  
**Institute** CDRI  
**Application No.** 1481CAL1975 **Filing Date** 7/29/1975  
**Patent No.** 141240 **Grant Date** 12/3/1977  
**Country** India **Status** TO/1982
93. **Title** A process for the preparation of pharmaceutical grade polyose from Tamarindus indica seeds  
**Inventor** Ranesh Chandra Nandi, Jagat Pal Singh Sarin & Nandoo Mal Khanna  
**Institute** CDRI  
**Application No.** 1549CAL1975 **Filing Date** 8/8/1975  
**Patent No.** 142042 **Grant Date** 2/4/1978  
**Country** India **Status** TO/1982
94. **Title** A process for the synthesis of aryloxyalkylamines with hypotensive,  $\alpha$  adrenoceptor blocking and anti-inflammatory properties  
**Inventor** Shiv Kumar Agarwal, Prem Chand Jain, Nitya Anand, Rikhab Chand Srimal & Bhola Nath Dhawan  
**Institute** CDRI  
**Application No.** 1550CAL1975 **Filing Date** 8/8/1975  
**Patent No.** 141508 **Grant Date** 1/13/1978  
**Country** India **Status** LP/1980
95. **Title** A process for the synthesis of antifilarial 1-substituted 4-carbamoyl piperazines  
**Inventor** Satyawan Sharma, Raman Narayan Iyer, Nitya Anand, Ranjit Kumar Chatterjee, Subhash Chandra, Amlendu Dutta & Amiya Bhushan Sen  
**Institute** CDRI  
**Application No.** 1551CAL1975 **Filing Date** 8/8/1975  
**Patent No.** 141941 **Grant Date** 2/25/1978  
**Country** India **Status** TO/1982

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### Patents Filed/ Granted

96. **Title** A process for the synthesis of substituted 2-naphthanilide isothiocyanates.
- Inventor** Anil Kumar Singh, Vijay Kumar Agarwal, Harindra Singh, Satyawar Sharma, Raman Narayan Iyer, Jagdish Chandra Katiyar, Promila Govila, Tarun Kanti Choudhury, Shiv Ram & Amiya Bhushan Sen
- Institute** CDRI
- Application No.** 2120CAL1975      **Filing Date** 11/6/1975
- Patent No.** 141841              **Grant Date** 12/31/1977
- Country** India              **Status** TO/1982
- 
97. **Title** A process for the synthesis of N- substituted 1-benzazepines
- Inventor** Jag Mohan Khanna & Nitya Anand
- Institute** CDRI
- Application No.** 2182CAL1975      **Filing Date** 11/15/1975
- Patent No.** 142987              **Grant Date** 7/15/1978
- Country** India              **Status** LP/1979
- 
98. **Title** A process for the preparation of pure cholesterol from buffalo and goat spinal cord
- Inventor** Vikash Chandra Pandey, Varanasi Krishna Mohan Rao & Coimbatore Ramdorai Krishnamurti
- Institute** CDRI
- Application No.** 0511CAL1975      **Filing Date** 1/27/1976
- Patent No.** 142696              **Grant Date** 4/15/1978
- Country** India              **Status** TO/1983
- 
99. **Title** A process for the synthesis of substituted 2-naphthanilides as cestodicidal agents
- Inventor** Anil Kumar Singh, Harindra Singh, Satyawar Sharma, Raman Narayan Iyer, Jagdish Chandra Katiyar, Tarun Kumar Chowdhury, Shive Ram & Amiya Bhushan Sen
- Institute** CDRI
- Application No.** 0741CAL1976      **Filing Date** 4/28/1976
- Patent No.** 143985              **Grant Date** 5/11/1979
- Country** India              **Status** TO/1983
- 
100. **Title** A process for the synthesis of 1-(9-acridyl)-4-substituted and 4,4-disubstituted piperidines as tubal occluding agents

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### Patents Filed/ Granted

- |                        |   |                    |           |
|------------------------|---|--------------------|-----------|
| <b>Inventor</b>        | <b>Prabhakar Mukund Kelkar, Shree Niwas Rastogi, Nitya Anand, Brijesh Malaviya, Nirmal Kumari Sood &amp; Harish Chandra</b> |                    |           |
| <b>Institute</b>       | CDRI  |                    |           |
| <b>Application No.</b> | 1222CAL1976   | <b>Filing Date</b> | 7/9/1976  |
| <b>Patent No.</b>      | 143953  | <b>Grant Date</b>  | 5/11/1979 |
| <b>Country</b>         | India   | <b>Status</b>      | TO/1983   |
- 101. Title**                    **A process for the synthesis of 1-aryl/alkyl/aralkyl/6-oxopyrimidines with hypnotic , sedative, anticonvulsant and central muscle relaxant properties.**
- |                        |  |                    |           |
|------------------------|--|--------------------|-----------|
| <b>Inventor</b>        | <b>Prem Chand Jain, Kiran Singh Rajput &amp; Chinta Ram Prasad</b> |                    |           |
| <b>Institute</b>       | CDRI   |                    |           |
| <b>Application No.</b> | 1304CAL1976  | <b>Filing Date</b> | 7/21/1976 |
| <b>Patent No.</b>      | 143759   | <b>Grant Date</b>  | 2/9/1979  |
| <b>Country</b>         | India  | <b>Status</b>      | TO/1983   |
- 102. Title**                    **A process for the synthesis of substituted 3'-nitro-4'-amino benzanilides**
- |                        |   |                    |           |
|------------------------|---|--------------------|-----------|
| <b>Inventor</b>        | <b>Harindra Singh, Satyawan Sharma,Raman Narayan Iyer, Promila Govil, Jagdish Chandra Katiyar &amp; Amiya Bhushan Sen</b> |                    |           |
| <b>Institute</b>       | CDRI  |                    |           |
| <b>Application No.</b> | 1234CAL1976   | <b>Filing Date</b> | 9/7/1976  |
| <b>Patent No.</b>      | 141999  | <b>Grant Date</b>  | 3/10/1978 |
| <b>Country</b>         | India   | <b>Status</b>      | LP/1980   |
- 103. Title**                    **A process for the preparation of cervical dilators**
- |                        |   |                    |           |
|------------------------|---|--------------------|-----------|
| <b>Inventor</b>        | <b>Ranesh Chandra Nandi, Jagat Pal Singh Sarin, Bachu Srinivasulu Setty, Ved Prakash Kamboj &amp; Nandoo Mal Khanna</b> |                    |           |
| <b>Institute</b>       | CDRI  |                    |           |
| <b>Application No.</b> | 1699CAL1976   | <b>Filing Date</b> | 9/15/1976 |
| <b>Patent No.</b>      | 144159  | <b>Grant Date</b>  | 5/26/1979 |
| <b>Country</b>         | India   | <b>Status</b>      | TO/1983   |
- 104. Title**                    **A process for the preparation of cholesterol from the brains of goat , sheep and buffalo**
- |                 |   |  |  |
|-----------------|---|--|--|
| <b>Inventor</b> | <b>Vikash Chandra Pandey &amp; Varanasi Krishna Mohan Rao</b> |  |  |
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### Patents Filed/ Granted

	<b>Institute</b>	CDRI		
	<b>Application No.</b>	1700CAL1976	<b>Filing Date</b>	9/15/1976
	<b>Patent No.</b>	143649	<b>Grant Date</b>	4/7/1979
	<b>Country</b>	India	<b>Status</b>	TO/1983
<b>105.</b>	<b>Title</b>	<b>A process for the production of a new coumarin having spasmolytic properties from aerial parts of the plant <i>Clausena pentaphylla</i> (Roxb)DC</b>		
	<b>Inventor</b>	<b>Aboo Shoeb, Randheer Singh Kapil, Satya Prakash Popli, Gynendra Kumar Patnaik &amp; Bhola Nath Dhawan</b>		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	0009DEL1977	<b>Filing Date</b>	1/12/1977
	<b>Patent No.</b>	143322	<b>Grant Date</b>	9/23/1978
	<b>Country</b>	India	<b>Status</b>	TO/1984
<b>106.</b>	<b>Title</b>	<b>Improvements in/relating to a process for obtaining <math>\alpha</math> aroyl aryl hydrazine</b>		
	<b>Inventor</b>	<b>Parenty Raghuveer Adhikari, Ramesh Chandra Bharadwaj, Chattar Mal Gupta &amp; Prem Chand Jain</b>		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	0116DEL1977	<b>Filing Date</b>	5/28/1977
	<b>Patent No.</b>	144847	<b>Grant Date</b>	7/28/1979
	<b>Country</b>	India	<b>Status</b>	LP/1983
<b>107.</b>	<b>Title</b>	<b>A process for the preparation of dl-2-amino-1-butanol</b>		
	<b>Inventor</b>	<b>Kailash Chandra Agarwal, Dinesh Patel, Jag Mohan Khanna &amp; Prem Chand Jain</b>		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	0117DEL1977	<b>Filing Date</b>	5/28/1977
	<b>Patent No.</b>	145953	<b>Grant Date</b>	9/7/1979
	<b>Country</b>	India	<b>Status</b>	TO/1984
<b>108.</b>	<b>Title</b>	<b>A novel process for the synthesis of peptides</b>		
	<b>Inventor</b>	<b>Balekudru Devadas &amp; Krishna Bihari Mathur</b>		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	0154DEL1977	<b>Filing Date</b>	7/8/1977
	<b>Patent No.</b>	146337	<b>Grant Date</b>	12/22/1979
	<b>Country</b>	India	<b>Status</b>	TO/1984

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- 109. Title**                    **A process for the synthesis of 1- $\beta$ -naphthalene-sulphonyloxy benzotriazole**
- Inventor**                    **Balekudru Devadas & Krishna Bihari Mathur**
- Institute**                    **CDRI**
- Application No.** 0155DEL1977    **Filing Date**    7/8/1977
- Patent No.**                    146401            **Grant Date**    12/22/1979
- Country**                    **India**            **Status**            TO/1984
- 
- 110. Title**                    **A process for the synthesis of substituted tetraphenylethers as antifertility agents**
- Inventor**                    **Raman Narayan Iyer, Raghava Gopalachari & Ved Prakash Kamboj**
- Institute**                    **CDRI**
- Application No.** 1697CAL1976    **Filing Date**    12/14/1977
- Patent No.**                    146468            **Grant Date**    12/22/1979
- Country**                    **India**            **Status**            LP/1981
- 
- 111. Title**                    **A process for obtaining hypolepademic and antiplatelet aggregation fraction from Guggulresin**
- Inventor**                    **Narendranil Kumar Kapoor, Sukh Dev & Swarn Nityanand**
- Institute**                    **CDRI**
- Application No.** 0250DEL1978    **Filing Date**    4/6/1978
- Patent No.**                    148265            **Grant Date**    10/24/1981
- Country**                    **India**            **Status**            LP/1984
- 
- 112. Title**                    **A process for the synthesis of 3-alkyl-2, 2-dimethyl propionic acids as antifertility agents**
- Inventor**                    **K V B Rao, Janak Dulari Dhar, Bachu Srinivasulu Setty & Raman Narayan Iyer**
- Institute**                    **CDRI**
- Application No.** 00384DEL78    **Filing Date**    5/20/1978
- Patent No.**                    148416            **Grant Date**    10/24/1981
- Country**                    **India**            **Status**            LP/1984
- 
- 113. Title**                    **A process for making palatable preparations of Plantago ovata seed husk**
- Inventor**                    **Satyawan Singh, Ranesh Chandra Nandi, Jagat Pal Singh Sarin & Nandoo Mal Khanna**
- Institute**                    **CDRI**

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### Patents Filed/ Granted

- |      |                        |   |                    |            |
|------|------------------------|---|--------------------|------------|
|      | <b>Application No.</b> | 0485DEL1978   | <b>Filing Date</b> | 6/28/1978  |
|      | <b>Patent No.</b>      | 148708  | <b>Grant Date</b>  | 1/2/1982   |
|      | <b>Country</b>         | India   | <b>Status</b>      | TO/1985    |
|      |                        |   |                    |            |
| 114. | <b>Title</b>           | <b>Process for the manufacture of improved medicinal pellets for use as subdermal implants for controlled release of drug in a human or animal system</b> |                    |            |
|      | <b>Inventor</b>        | <b>Satyawan Singh, Jagat Pal Singh Sarin, Nandoo Mal Khanna &amp; Nitya Anand</b>   |                    |            |
|      | <b>Institute</b>       | CDRI  |                    |            |
|      | <b>Application No.</b> | 0583DEL1978   | <b>Filing Date</b> | 8/7/1978   |
|      | <b>Patent No.</b>      | 148568  | <b>Grant Date</b>  | 11/28/1981 |
|      | <b>Country</b>         | India   | <b>Status</b>      | TO/1985    |
|      |                        |   |                    |            |
| 115. | <b>Title</b>           | <b>Process for synthesis of substituted -3,5 dihalo 4 nitro salicylanilides</b>   |                    |            |
|      | <b>Inventor</b>        | <b>Sushil Kumar Dubey, Harendra Singh, Satyawan Sharma, Raman Narayan Iyer, Suman Gupta, Jagdish Chandra Katiyar &amp; Amiya Bhushan Sen</b>              |                    |            |
|      | <b>Institute</b>       | CDRI  |                    |            |
|      | <b>Application No.</b> | 0656DEL1978   | <b>Filing Date</b> | 9/6/1978   |
|      | <b>Patent No.</b>      | 150719  | <b>Grant Date</b>  | 9/9/1983   |
|      | <b>Country</b>         | India   | <b>Status</b>      | TO/1985    |
|      |                        |   |                    |            |
| 116. | <b>Title</b>           | <b>Process for synthesis of substitute d 3,5 dihalo 4,amino salicylanilides</b>   |                    |            |
|      | <b>Inventor</b>        | <b>Sushil Kumar Dubey, Harendra Singh, Satyawan Sharma, Raman Narayan Iyer, Jagdish Chandra Katiyar, Amiya Bhushan Sen, Suman Gupta &amp; S Ram</b>       |                    |            |
|      | <b>Institute</b>       | CDRI  |                    |            |
|      | <b>Application No.</b> | 0935DEL1980   | <b>Filing Date</b> | 9/6/1978   |
|      | <b>Patent No.</b>      | 150727  | <b>Grant Date</b>  | 9/9/1983   |
|      | <b>Country</b>         | India   | <b>Status</b>      | TO/1985    |
|      |                        |   |                    |            |
| 117. | <b>Title</b>           | <b>Process for synthesis of substituted 3-5 dihalo isothiocyantosaliclanilides</b>  |                    |            |
|      | <b>Inventor</b>        | <b>Sushil Kumar Dubey, Harendra Singh, Satyawan Sharma, Raman Narayan Iyer, Jagdish Chandra Katiyar, Amiya Bhushan Sen, Suman Gupta &amp; S Ram</b>       |                    |            |
|      | <b>Institute</b>       | CDRI  |                    |            |

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### Patents Filed/ Granted

- |             |                        |   |                    |            |
|-------------|------------------------|---|--------------------|------------|
|             | <b>Application No.</b> | 0936DEL1980   | <b>Filing Date</b> | 9/6/1978   |
|             | <b>Patent No.</b>      | 150728  | <b>Grant Date</b>  | 9/9/1983   |
|             | <b>Country</b>         | India   | <b>Status</b>      | TO/1985    |
| <b>118.</b> | <b>Title</b>           | <b>Improved process for preparation of cervical dilators</b>  |                    |            |
|             | <b>Inventor</b>        | <b>Jagat Pal Singh Sarin, Ranesh Chandra Nandi, Satyawan Singh &amp; Nandoo Mal Khanna</b>  |                    |            |
|             | <b>Institute</b>       | CDRI  |                    |            |
|             | <b>Application No.</b> | 0753DEL1978   | <b>Filing Date</b> | 10/13/1978 |
|             | <b>Patent No.</b>      | 150273  | <b>Grant Date</b>  | 5/7/1983   |
|             | <b>Country</b>         | India   | <b>Status</b>      | TO/1985    |
| <b>119.</b> | <b>Title</b>           | <b>Process for production of spermicidal saponins from fruits of Sapindus species, commonly known as soap nut</b>   |                    |            |
|             | <b>Inventor</b>        | <b>Hari Shankar Garg, Bachu Srinivasulu Setty, Ved Prakash Kamboj &amp; Nandoo Mal Khanna</b>   |                    |            |
|             | <b>Institute</b>       | CDRI  |                    |            |
|             | <b>Application No.</b> | 0771DEL1978   | <b>Filing Date</b> | 10/18/1978 |
|             | <b>Patent No.</b>      | 150335  | <b>Grant Date</b>  | 4/8/1983   |
|             | <b>Country</b>         | India   | <b>Status</b>      | TO/1985    |
| <b>120.</b> | <b>Title</b>           | <b>Process for preparation of carrier material for delivery of chemical for contraception purposes in filaments</b>   |                    |            |
|             | <b>Inventor</b>        | <b>Ranesh Chandra Nandi, Satyawan Singh, Jagat Pal Singh Sarin, Brijesh Malaviya, Harish Chandra &amp; Nandoo Mal Khanna</b>  |                    |            |
|             | <b>Institute</b>       | CDRI  |                    |            |
|             | <b>Application No.</b> | 0931DEL1978   | <b>Filing Date</b> | 12/20/1978 |
|             | <b>Patent No.</b>      | 150468  | <b>Grant Date</b>  | 5/28/1983  |
|             | <b>Country</b>         | India   | <b>Status</b>      | TO/1985    |
| <b>121.</b> | <b>Title</b>           | <b>Process for preparation of haemostatic agent from Boerrhavia diffUnited States Linn particularly effective to stop intrauterine contraceptive device induced bleeding in women</b> |                    |            |
|             | <b>Inventor</b>        | <b>Kartar Srivastava, Girish Kumar Jain, Raghwendra Pal, Satyawan Singh, Jagat Pal Singh Sarin &amp; Nandoo Mal Khanna</b>  |                    |            |
|             | <b>Institute</b>       | CDRI  |                    |            |
|             | <b>Application No.</b> | 0973DEL1978   | <b>Filing Date</b> | 12/30/1978 |

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	<b>Patent No.</b>	150488	<b>Grant Date</b>	5/28/1983
	<b>Country</b>	India	<b>Status</b>	TO/1985
<b>122.</b>	<b>Title</b>	<b>Process for synthesis of 1-(p-<math>\beta</math>-pyrolidinedethoxyphenyl)-2 p substituted benzyl methoxy 1,2,3,4-tetrahydro tetra hydro-naphthlenes as antifertility agents</b>		
	<b>Inventor</b>	<b>Satish Chandra Tewari, Shree Niwas Rastogi, Nitya Anand &amp; Harish Chandra</b>		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	0047DEL1979	<b>Filing Date</b>	1/25/1979
	<b>Patent No.</b>	150678	<b>Grant Date</b>	7/16/1983
	<b>Country</b>	India	<b>Status</b>	TO/1986
<b>123.</b>	<b>Title</b>	<b>A process for the preparation of phenolic tetraphenylethylenes</b>		
	<b>Inventor</b>	<b>K V B Rao &amp; Raman Narayan Iyer</b>		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	00640DEL1978	<b>Filing Date</b>	8/29/1979
	<b>Patent No.</b>	151145	<b>Grant Date</b>	10/19/1983
	<b>Country</b>	India	<b>Status</b>	LP/1985
<b>124.</b>	<b>Title</b>	<b>A process for the synthesis of substituted thiocarboxamides</b>		
	<b>Inventor</b>	<b>Syed Abuzar, Satyawan Sharma, Raman Narayan Iyer, Shyamal Chandra Bhar, Anil Misra, Jagdish Chandra Katiyar &amp; Amiya Bhushan Sen</b>		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	0099DEL1980	<b>Filing Date</b>	2/11/1980
	<b>Patent No.</b>	153636	<b>Grant Date</b>	7/19/1985
	<b>Country</b>	India	<b>Status</b>	TO/1987
<b>125.</b>	<b>Title</b>	<b>A process for the preparation of improved cervical dilators and cervical dialators thus prepared</b>		
	<b>Inventor</b>	<b>Jagat Pal Singh Sarin, Ranesh Chandra Nandi, Satyawan Singh &amp; Nandoo Mal Khanna</b>		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	0137DEL1980	<b>Filing Date</b>	2/27/1980
	<b>Patent No.</b>	153762	<b>Grant Date</b>	7/12/1985
	<b>Country</b>	India	<b>Status</b>	TO/1987

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### Patents Filed/ Granted

126. **Title** Process for the synthesis of 4-oxo-3-substituted pyrimido (2',1,6:1)pyrido (c3,4-b,) indoles
- Inventor** Anil Kumar Saxena, Shiv Kumar Agarwal, Brijesh Malaviya, Harish Chandra & Nitya Anand
- Institute** CDRI
- Application No.** 0245DEL1984      **Filing Date** 5/8/1980
- Patent No.** 159433      **Grant Date** 5/20/1988
- Country** India      **Status** TO/1987
- 
127. **Title** Process for the preparation of 1-3,4 trans,2, 2-dimethyl-3-phenyl-4-p(b-pyrrolidione thoxy)-phey-7 methoxychroman derivatives
- Inventor** Mohmed Salman, Suprabhat Ray, Ved Prakash Kamboj & Nitya Anand
- Institute** CDRI
- Application No.** 0175DEL1981      **Filing Date** 3/30/1981
- Patent No.** 155667      **Grant Date** 6/27/1986
- Country** India      **Status** TO/1988
- 
128. **Title** A process for the preparation of N- acetyl-6=0= (dihydrocholestryl=3=0=succinyl) muramyl=1=alanyl=d=isoglutamine
- Inventor** Rakesh Kumar Jain, Anil Kumar, Chattar Mal Gupta & Nitya Anand
- Institute** CDRI
- Application No.** 0185DEL1981      **Filing Date** 3/31/1981
- Patent No.** 156204      **Grant Date** 9/12/1986
- Country** India      **Status** TO/1988
- 
129. **Title** A process for the synthesis of poly peptide derivatives
- Inventor** Krishna Bihari Mathur, Balram Jiveraj Dhotre, Subh Dev Sharma, Ram Raghubir, Gynendra Kumar Patnaik & Bhola Nath Dhawan
- Institute** CDRI
- Application No.** 0009DEL1980      **Filing Date** 4/6/1981
- Patent No.** 159734      **Grant Date** 5/6/1988
- Country** India      **Status** TO/1988
- 
130. **Title** A process for the synthesis of tripeptide derivatives

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### Patents Filed/ Granted

- |                        |   |                    |           |
|------------------------|---|--------------------|-----------|
| <b>Inventor</b>        | <b>Subh Dev Sharma, Krishna Bihari Mathur, Ram Raghbir, Gynendra Kumar Patnaik, Rikhab Chand Srimal &amp; Bhola Nath Dhawan</b> |                    |           |
| <b>Institute</b>       | CDRI  |                    |           |
| <b>Application No.</b> | 0565DEL1983   | <b>Filing Date</b> | 4/6/1981  |
| <b>Patent No.</b>      | 159733  | <b>Grant Date</b>  | 4/22/1988 |
| <b>Country</b>         | India   | <b>Status</b>      | TO/1988   |
- 
- |                        |   |                    |           |
|------------------------|---|--------------------|-----------|
| <b>131. Title</b>      | <b>A process for the preparation of tetra-N-butyl ammonium iodide</b> |                    |           |
| <b>Inventor</b>        | <b>Anil Kumar, K P Agarwal &amp; A C Roy</b>                          |                    |           |
| <b>Institute</b>       | CDRI  |                    |           |
| <b>Application No.</b> | 0232DEL1981   | <b>Filing Date</b> | 4/16/1981 |
| <b>Patent No.</b>      | 155887  | <b>Grant Date</b>  | 8/8/1986  |
| <b>Country</b>         | India   | <b>Status</b>      | LP/1994   |
- 
- |                        |   |                    |            |
|------------------------|---|--------------------|------------|
| <b>132. Title</b>      | <b>A process for synthesis of 2-2 dicarbalkoxy amino 5-5-dibenzimidazolyl derivatives</b>                           |                    |            |
| <b>Inventor</b>        | <b>S Abuzar, Satyawan Sharma, Jagdish Chandra Katiyar, Pradeep Kumar Singh Visen, S Ram &amp; Amiya Bhushan Sen</b> |                    |            |
| <b>Institute</b>       | CDRI  |                    |            |
| <b>Application No.</b> | 0379DEL1981   | <b>Filing Date</b> | 6/12/1981  |
| <b>Patent No.</b>      | 156778  | <b>Grant Date</b>  | 11/21/1986 |
| <b>Country</b>         | India   | <b>Status</b>      | TO/1988    |
- 
- |                        |   |                    |           |
|------------------------|---|--------------------|-----------|
| <b>133. Title</b>      | <b>A process for the synthesis of arylbenzimidazole-2-thiones</b>   |                    |           |
| <b>Inventor</b>        | <b>K V B Rao, E S Charles, Satyawan Sharma, R N Iyer, Suman Gupta, S Ram, Jagdish Chandra Katiyar &amp; Amiya Bhushan Sen</b> |                    |           |
| <b>Institute</b>       | CDRI  |                    |           |
| <b>Application No.</b> | 0390DEL1980   | <b>Filing Date</b> | 6/16/1981 |
| <b>Patent No.</b>      | 154382  | <b>Grant Date</b>  | 9/13/1985 |
| <b>Country</b>         | India   | <b>Status</b>      | TO/1988   |
- 
- |                   |  |  |  |
|-------------------|--|--|--|
| <b>134. Title</b> | <b>Process for the synthesis of carbomoyl 9h-pyrido (3,4-b)-indoles</b>                          |  |  |
| <b>Inventor</b>   | <b>Anil Kumar Saxena, Shiv Kumar Agarwal, Brijesh Malaviya, Harish Chandra &amp; Nitya Anand</b> |  |  |
| <b>Institute</b>  | CDRI   |  |  |

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### Patents Filed/ Granted

- |             |                        |  |                    |            |
|-------------|------------------------|--|--------------------|------------|
|             | <b>Application No.</b> | 0387DEL1980  | <b>Filing Date</b> | 6/23/1981  |
|             | <b>Patent No.</b>      | 154380   | <b>Grant Date</b>  | 9/6/1985   |
|             | <b>Country</b>         | India  | <b>Status</b>      | TO/1988    |
| <b>135.</b> | <b>Title</b>           | <b>A process for the synthesis of 3-substituted-9-h-pyrido [3,4-b] indoles</b>                   |                    |            |
|             | <b>Inventor</b>        | <b>Anil Kumar Saxena, Shiv Kumar Agarwal, Brijesh Malaviya, Harish Chandra &amp; Nitya Anand</b> |                    |            |
|             | <b>Institute</b>       | CDRI   |                    |            |
|             | <b>Application No.</b> | 0315DEL1980  | <b>Filing Date</b> | 6/29/1981  |
|             | <b>Patent No.</b>      | 157242   | <b>Grant Date</b>  | 11/28/1986 |
|             | <b>Country</b>         | India  | <b>Status</b>      | TO/1988    |
| <b>136.</b> | <b>Title</b>           | <b>A process for the synthesis of 3-sustituted 9-h-pyrido [3,4-b] indoles carbamates</b>         |                    |            |
|             | <b>Inventor</b>        | <b>Anil Kumar Saxena, Shiv Kumar Agarwal, Brijesh Malaviya, Harish Chandra &amp; Nitya Anand</b> |                    |            |
|             | <b>Institute</b>       | CDRI   |                    |            |
|             | <b>Application No.</b> | 0189DEL1984  | <b>Filing Date</b> | 6/29/1981  |
|             | <b>Patent No.</b>      | 161150   | <b>Grant Date</b>  | 6/24/1988  |
|             | <b>Country</b>         | India  | <b>Status</b>      | TO/1988    |
| <b>137.</b> | <b>Title</b>           | <b>A process for the synthesis of 9-h-pyrido [3,4-b] indole-3 carboxamides</b>                   |                    |            |
|             | <b>Inventor</b>        | <b>Anil Kumar Saxena, Shiv Kumar Agarwal, Brijesh Malaviya, Harish Chandra &amp; Nitya Anand</b> |                    |            |
|             | <b>Institute</b>       | CDRI   |                    |            |
|             | <b>Application No.</b> | 0316DEL1980  | <b>Filing Date</b> | 7/25/1981  |
|             | <b>Patent No.</b>      | 157243   | <b>Grant Date</b>  | 12/5/1986  |
|             | <b>Country</b>         | India  | <b>Status</b>      | TO/1988    |
| <b>138.</b> | <b>Title</b>           | <b>A process for the synthesis of 3-substituted triazolyl 9h-pyrido [3,4-b] indoles</b>          |                    |            |
|             | <b>Inventor</b>        | <b>Anil Kumar Saxena, Shiv Kumar Agarwal, Brijesh Malaviya, Harish Chandra &amp; Nitya Anand</b> |                    |            |
|             | <b>Institute</b>       | CDRI   |                    |            |
|             | <b>Application No.</b> | 0479DEL1981  | <b>Filing Date</b> | 7/25/1981  |
|             | <b>Patent No.</b>      | 157245   | <b>Grant Date</b>  |            |
|             | <b>Country</b>         | India  | <b>Status</b>      | TO/1988    |

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### Patents Filed/ Granted

- 139. Title** Proess for the synthesis of 4-oxo-2 substituted pyrimido (2,1,6,1) pyrido [3,4-b] indoles
- Inventor** Anil Kumar Saxena, Shiv Kumar Agarwal, Brijesh Malaviya, Harish Chandra & Nitya Anand
- Institute** CDRI
- Application No.** 0338DEL1980      **Filing Date** 8/7/1981
- Patent No.** 160138      **Grant Date** 7/29/1988
- Country** India      **Status** TO/1988
- 
- 140. Title** Process for the syntehsis of substitute D S triazino pyrido-indoles
- Inventor** Anil Kumar Saxena, Shiv Kumar Agarwal, Brijesh Malaviya, Harish Chandra & Nitya Anand
- Institute** CDRI
- Application No.** 0500DEL1981      **Filing Date** 8/7/1981
- Patent No.** 160168      **Grant Date** 3/20/1988
- Country** India      **Status** LP/BLPR
- 
- 141. Title** A process for the synthesis of 2 aryls pyrido indole 4-thiones
- Inventor** Anil Kumar Saxena, Shiv Kumar Agarwal, Brijesh Malaviya, Harish Chandra & Nitya Anand
- Institute** CDRI
- Application No.** 0537DEL1981      **Filing Date** 8/22/1981
- Patent No.** 160194      **Grant Date** 5/27/1988
- Country** India      **Status** LP/BLPR
- 
- 142. Title** A process for the manufacture of improved medicinal pellets for use as subdermal implants for controlled release of a drug for an extended period of time in a human or animal system
- Inventor** Nandoo Mal Khanna, S K Gupta, Jagat Pal Singh Sarin, Satyawan Singh & Madhu Khanna
- Institute** CDRI
- Application No.** 0538DEL1981      **Filing Date** 8/22/1981
- Patent No.** 156886      **Grant Date** 11/28/1986
- Country** India      **Status** LP/BLPR

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### Patents Filed/ Granted

- 143. Title** Preparation of L- and D-isomers of DL-3,4,trans-2,2 disubstituted- 3,4- diarylchromans and derivatives thereof
- Inventor** Mohammad Salman, Suprabhat Ray, Ved P. Kamboj & Nitya Anand
- Institute** CDRI
- Application No.** 304507 **Filing Date** 9/22/1981
- Patent No.** 4447622 **Grant Date** 5/8/1984
- Country** United States **Status** TO/20 YEARS OVER
- 
- 144. Title** Preparation of L- and D-isomers of DL-3,4,trans-2,2 disubstituted- 3,4- diarylchromans and derivatives thereof
- Inventor** Mohammad Salman, Suprabhat Ray, Ved P. Kamboj & Nitya Anand
- Application No.** 206896 **Filing Date** 12/21/1981
- Patent No.** 891562 **Grant Date** 4/16/1982
- Country** Belgium **Status**
- 
- 145. Title** A process for the synthesis of alkyl-5(6) carboxamido benzimidazole- 2 carbamates
- Inventor** Shiv Kumar, Amiya Prasad Bhaduri, Pradeep Kumar Singh Visen, S Ram, Suman Gupta, Jagdish Chandra Katiyar & Amiya Bhushan Sen
- Institute** CDRI
- Application No.** 0022DEL1982 **Filing Date** 1/11/1982
- Patent No.** 159210 **Grant Date** 1/21/1988
- Country** India **Status** TO/1989
- 
- 146. Title** Process for the extraction of active compound from plant *Ferula jaeschmena* useful as abortifacient
- Inventor** Girish Kumar Jain, B S Aswal, B N Mehrotra, D N Gupta, Bachu Srinivasulu Setty, Jagat Pal Singh Sarin, Ved Prakash Kamboj & Nandoo Mal Khanna
- Institute** CDRI
- Application No.** 0039DEL1982 **Filing Date** 1/16/1982
- Patent No.** 159361 **Grant Date** 3/25/1988
- Country** India **Status** TO/1989
- 
- 147. Title** A process for the synthesis of 2-oxo-4-substituted-pyrimido-(2,1 :6,1)-pyrido-[3,4-b] indoles

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### Patents Filed/ Granted

- |                        |  |                    |           |
|------------------------|--|--------------------|-----------|
| <b>Inventor</b>        | <b>Shiv Kumar Agarwal, Anil Kumar Saxena, Brijesh Malaviya, Harish Chandra &amp; Nitya Anand</b> |                    |           |
| <b>Institute</b>       | CDRI   |                    |           |
| <b>Application No.</b> | 0138DEL1982  | <b>Filing Date</b> | 2/19/1982 |
| <b>Patent No.</b>      | 157713   | <b>Grant Date</b>  | 5/15/1987 |
| <b>Country</b>         | <b>India</b>   | <b>Status</b>      | TO/1989   |
- 
- |                        |  |                    |           |
|------------------------|--|--------------------|-----------|
| <b>148. Title</b>      | <b>An improved process for the preparation of 3-amino benzo (6,7) quinazolin-4-one</b>                     |                    |           |
| <b>Inventor</b>        | <b>V K Sharma, P K Saxena, C R Prasad, Amiya Prasad Bhaduri, Nandoo Mal Khanna &amp; Bhola Nath Dhawan</b> |                    |           |
| <b>Institute</b>       | CDRI   |                    |           |
| <b>Application No.</b> | 0252DEL1982  | <b>Filing Date</b> | 3/25/1982 |
| <b>Patent No.</b>      | 157699   | <b>Grant Date</b>  | 3/27/1987 |
| <b>Country</b>         | <b>India</b>   | <b>Status</b>      | TO/1989   |
- 
- |                        |  |                    |           |
|------------------------|--|--------------------|-----------|
| <b>149. Title</b>      | <b>A process for the preparation of 1-(p-(<math>\beta</math>)-pyrolidinoethoxyphenyl)-2-benzyl-7-methoxybenzosuberan useful as an anti-fertility agent</b> |                    |           |
| <b>Inventor</b>        | <b>Naresh Kumar Sangwan, Shree Niwas Rastogi, Qaisar Jehan &amp; Bachu Srinivasulu Setty</b>   |                    |           |
| <b>Institute</b>       | CDRI   |                    |           |
| <b>Application No.</b> | 0933DEL1980  | <b>Filing Date</b> | 3/30/1982 |
| <b>Patent No.</b>      | 155317   | <b>Grant Date</b>  | 5/16/1986 |
| <b>Country</b>         | <b>India</b>   | <b>Status</b>      | TO/1989   |
- 
- |                        |  |                    |           |
|------------------------|--|--------------------|-----------|
| <b>150. Title</b>      | <b>A Process for the manufacture of improved medicinal pellets for use as subdermal implants for controlled release of a drug for an extended period of time in a human or animal system</b> |                    |           |
| <b>Inventor</b>        | <b>N M Khanna, S K Gupta, J P S Sarin, Satyawan Singh &amp; M Khanna</b>   |                    |           |
| <b>Institute</b>       | CDRI   |                    |           |
| <b>Application No.</b> | 208.599  | <b>Filing Date</b> | 7/16/1982 |
| <b>Patent No.</b>      | 893849   | <b>Grant Date</b>  |           |
| <b>Country</b>         | <b>Belgium</b>   | <b>Status</b>      | LP/87     |
- 
- |                   |   |  |  |
|-------------------|---|--|--|
| <b>151. Title</b> | <b>A Process for the manufacture of improved medicinal pellets for use as subdermal implants for controlled release</b> |  |  |
|-------------------|---|--|--|

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### Patents Filed/ Granted

- |                        |  |   |                              |
|------------------------|--|---|------------------------------|
|                        |  | <b>of a drug for an extended period of time in a human or animal system</b>   |                              |
| <b>Inventor</b>        | <b>N M Khanna, S K Gupta, J P S Sarin, Satyawan Singh &amp; M Khanna</b> |   |                              |
| <b>Institute</b>       | CDRI   |   |                              |
| <b>Application No.</b> | 8223381  | <b>Filing Date</b>  | 8/13/1982                    |
| <b>Patent No.</b>      | 21039270   | <b>Grant Date</b>   | 1/23/1985                    |
| <b>Country</b>         | <b>United Kingdom</b>  | <b>Status</b>   | LP/1987                      |
| <b>152.</b>            | <b>Title</b>   | <b>A process for the preparation of alkyl 5(6)-(isothiocyanatophenyl thio sulphono benzimidazole-2-carbamates</b>               |                              |
|                        | <b>Inventor</b>  | <b>Syed Abuzar, Satyawan Sharma, Sanjay Mohan Johri, Suman Gupta, Jagdish Chandra Katiyar, Shiv Ram &amp; Amiya Bhushan Sen</b> |                              |
|                        | <b>Institute</b>   | CDRI  |                              |
|                        | <b>Application No.</b>   | 0674DEL1982   | <b>Filing Date</b> 9/4/1982  |
|                        | <b>Patent No.</b>  | 158840  | <b>Grant Date</b> 12/11/1987 |
|                        | <b>Country</b>   | <b>India</b>  | <b>Status</b> TO/1989        |
| <b>153.</b>            | <b>Title</b>   | <b>A process for the preparation of norethisterone esters</b>   |                              |
|                        | <b>Inventor</b>  | <b>Kasturi Lal, Panna Lal Kole &amp; Suprabhat Ray</b>  |                              |
|                        | <b>Institute</b>   | CDRI  |                              |
|                        | <b>Application No.</b>   | 0023DEL1982   | <b>Filing Date</b> 4/14/1983 |
|                        | <b>Patent No.</b>  | 158325  | <b>Grant Date</b> 10/9/1987  |
|                        | <b>Country</b>   | <b>India</b>  | <b>Status</b> TO/1990        |
| <b>154.</b>            | <b>Title</b>   | <b>A process for the synthesis of dipeptides of 8-amino-6-methoxyquinoline</b>  |                              |
|                        | <b>Inventor</b>  | <b>Balkrishan Bhat, Amiya Prasad Bhaduri, Nand Lal Pal &amp; Amiya Bhushan Sen</b>  |                              |
|                        | <b>Institute</b>   | CDRI  |                              |
|                        | <b>Application No.</b>   | 0315DEL1983   | <b>Filing Date</b> 5/16/1983 |
|                        | <b>Patent No.</b>  | 159341  | <b>Grant Date</b> 5/20/1988  |
|                        | <b>Country</b>   | <b>India</b>  | <b>Status</b> TO/1990        |
| <b>155.</b>            | <b>Title</b>   | <b>Process for the synthesis of 1, 2-cis-1-[p-(b-pyrrolidindethoxy)phenyl]-5-methoxy indane</b>                                 |                              |
|                        | <b>Inventor</b>  | <b>Mangal Sarin Malik, Shree Niwas Rastogi, Man Mohan Singh &amp; Ved Prakash Kamboj</b>  |                              |

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|--|------------------------|-------------|--------------------|-----------|
|  | <b>Institute</b>       | CDRI        |                    |           |
|  | <b>Application No.</b> | 0394DEL1983 | <b>Filing Date</b> | 6/10/1983 |
|  | <b>Patent No.</b>      | 161542      | <b>Grant Date</b>  | 7/8/1988  |
|  | <b>Country</b>         | India       | <b>Status</b>      | TO/1990   |
156. **Title**                    **Process for the synthesis of transition metal amine complexes as potential antiallergic agents**
- Inventor**                    **Karunamai Kar, Bhola Nath Dhawan & Suresh Kumar Bajpai**
- |  |                        |             |                    |            |
|--|------------------------|-------------|--------------------|------------|
|  | <b>Institute</b>       | CDRI        |                    |            |
|  | <b>Application No.</b> | 0376DEL1982 | <b>Filing Date</b> | 7/19/1983  |
|  | <b>Patent No.</b>      | 158370      | <b>Grant Date</b>  | 10/30/1987 |
|  | <b>Country</b>         | India       | <b>Status</b>      | TO/1990    |
157. **Title**                    **Process for the synthesis of activated enamines of 6-methoxy 8-14-amino-1-methyl-butyl (amino) quinoline**
- Inventor**                    **Balkrishan Bhat, Manju Seth, Amiya Prasad Bhaduri, R Raina, N Pal, Subhash Chandra & Amiya Bhushan Sen**
- |  |                        |             |                    |           |
|--|------------------------|-------------|--------------------|-----------|
|  | <b>Institute</b>       | CDRI        |                    |           |
|  | <b>Application No.</b> | 0391DEL1982 | <b>Filing Date</b> | 8/23/1983 |
|  | <b>Patent No.</b>      | 158332      | <b>Grant Date</b>  | 10/9/1987 |
|  | <b>Country</b>         | India       | <b>Status</b>      | TO/1990   |
158. **Title**                    **Process for the synthesis of 6-methoxy-8-(4-N-3-aceto-4,5-dihydro-2-furanyl-amino-10 methyl-butyl-amino)-quinoline**
- Inventor**                    **Balkrishan Bhat, Manju Seth, Amiya Prasad Bhaduri, R Raina, N Pal, Subhash Chandra & Amiya Bhushan Sen**
- |  |                        |             |                    |           |
|--|------------------------|-------------|--------------------|-----------|
|  | <b>Institute</b>       | CDRI        |                    |           |
|  | <b>Application No.</b> | 0389DEL1982 | <b>Filing Date</b> | 8/24/1983 |
|  | <b>Patent No.</b>      | 158111      | <b>Grant Date</b>  | 9/11/1987 |
|  | <b>Country</b>         | India       | <b>Status</b>      | TO/1991   |
159. **Title**                    **A process for synthesis of 3-(N- ethylacetoamido) -1-methylpiperazin-2-one**
- Inventor**                    **Sushil Kumar Dubey, Satyawar Sharma & Nitya Anand**
- |  |                        |             |                    |            |
|--|------------------------|-------------|--------------------|------------|
|  | <b>Institute</b>       | CDRI        |                    |            |
|  | <b>Application No.</b> | 0439DEL1982 | <b>Filing Date</b> | 9/12/1983  |
|  | <b>Patent No.</b>      | 158563      | <b>Grant Date</b>  | 11/13/1987 |
|  | <b>Country</b>         | India       | <b>Status</b>      | TO/1990    |

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### Patents Filed/ Granted

- 160. Title** A process for the synthesis of 2,6-disubstituted-3-aryl-4(3H)-pyrimidinones
- Inventor** Krishna Autar Gupta, Anil Kumar Saxena, Prithvi Raj Dua, Rikhab Chand Srimal & Bhola Nath Dhawan
- Institute** CDRI
- Application No.** 0477DEL1982      **Filing Date** 9/21/1983
- Patent No.** 158084      **Grant Date** 9/25/1987
- Country** India      **Status** TO/1990
- 
- 161. Title** Process for the synthesis of methyl-5(6)-N-disubstituted amino carbamamoyl benzimidazole-2-carbamates
- Inventor** Shiv Kumar, Manju Seth, Amiya Prasad Bhaduri, Pradeep Kumar Singh Visen, Suman Gupta, S Ram, Anil Misra, S C Bhar, Jagdish Chandra Katiyar & Amiya Bhushan Sen
- Institute** CDRI
- Application No.** 0538DEL1982      **Filing Date** 10/15/1983
- Patent No.** 158878      **Grant Date** 12/11/1987
- Country** India      **Status** TO/1990
- 
- 162. Title** A process for the synthesis of 2, 2-dicarbalkoxyamino-5-5-dibenzimidazolyl oxide
- Inventor** Syed Abuzar, Satyawan Sharma, Sanjay Mohan Johri, Suman Gupta, Jagdish Chandra Katiyar & Amiya Bhushan Sen
- Institute** CDRI
- Application No.** 0562DEL1982      **Filing Date** 10/22/1983
- Patent No.** 158570      **Grant Date** 11/13/1987
- Country** India      **Status** TO/1990
- 
- 163. Title** A process for the synthesis of 2, 2'-dicarbalkoxyamino -5, 5-dibenzimidazolyl oxides
- Inventor** Syed Abuzar, Satyawan Sharma, Jagdish Chandra Katiyar, S M Joshi, Suman Gupta, S Ram & Amiya Bhushan Sen
- Institute** CDRI
- Application No.** 0553DEL1985      **Filing Date** 10/22/1983
- Patent No.** 163916      **Grant Date** 8/4/1989
- Country** India      **Status** TO/1990

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### Patents Filed/ Granted

164. **Title** A process for the synthesis of phenoxyethyl-1-[4-(O-methoxy-phenyl)-piperazino carbonyl]-cyclopropanes
- Inventor** Ravish Chandra Tripathi, Ram Chandra Gupta, Karunamai Kar, Bhola Nath Dhawan & Nitya Anand
- Institute** CDRI
- Application No.** 0805DEL1983      **Filing Date** 12/1/1983
- Patent No.** 162622      **Grant Date** 12/23/1988
- Country** India      **Status** TO/1990
- 
165. **Title** Process for the synthesis of N- substituted-2-aminomethylacrylophenones
- Inventor** Ram Chandra Gupta & Nitya Anand
- Institute** CDRI
- Application No.** 0831DEL1983      **Filing Date** 12/9/1983
- Patent No.** 160957      **Grant Date** 6/24/1988
- Country** India      **Status** TO
- 
166. **Title** A process for the synthesis of 3-substituted-9H-pyrido indole carboxylate
- Inventor** Anil Kumar Saxena, Shiv Kumar Agarwal, Brijesh Malaviya, Harish Chandra & Nitya Anand
- Institute** CDRI
- Application No.** 0190DEL1984      **Filing Date** 2/29/1984
- Patent No.** 161373      **Grant Date** 6/20/1988
- Country** India      **Status** LP/NA
- 
167. **Title** Preparation of L- and D-isomers of DL-3,4,trans-2,2 disubstituted- 3,4- diarylchromans and derivatives thereof
- Inventor** Mohammad Salman, Suprabhat Ray, Ved P. Kamboj & Nitya Anand
- Institute** CDRI
- Application No.**      **Filing Date** 3/15/1984
- Patent No.** 589402      **Grant Date**
- Country** United States      **Status** AB/87
- 
168. **Title** Process for the synthesis of 1,4 disubstituted piperazines
- Inventor** Rashmi Rastogi, Satyawan Sharma, Nitya Anand, Tamal Kumar Roy Chowdhury, Tarun Kumar Chowdhury, Kumkum Tyagi, Puvvada Kalpana Murthy, R K Chatterjee & Amiya Bhushan Sen

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### Patents Filed/ Granted

- |  |                        |             |                    |           |
|--|------------------------|-------------|--------------------|-----------|
|  | <b>Institute</b>       | CDRI        |                    |           |
|  | <b>Application No.</b> | 0320DEL1983 | <b>Filing Date</b> | 7/16/1984 |
|  | <b>Patent No.</b>      | 159961      | <b>Grant Date</b>  | 7/22/1988 |
|  | <b>Country</b>         | India       | <b>Status</b>      | TO/1991   |
169. **Title** Process for the synthesis of 14-(3-substituted amino-2 hydroxy propyloxy)-14-azadispiro {5.1.5.2}-pentadac-9-ene-7 15-dione useful as b-blockers
- Inventor** Neelima, Amiya Prasad Bhaduri, Rikhab Chand Srimal & Bhola Nath Dhawan
- |  |                        |             |                    |            |
|--|------------------------|-------------|--------------------|------------|
|  | <b>Institute</b>       | CDRI        |                    |            |
|  | <b>Application No.</b> | 0316DEL1983 | <b>Filing Date</b> | 8/16/1984  |
|  | <b>Patent No.</b>      | 158916      | <b>Grant Date</b>  | 12/11/1987 |
|  | <b>Country</b>         | India       | <b>Status</b>      | TO/1991    |
170. **Title** Process for the preparation of N- 2(phenoyacetyl)-pyrrolidines
- Inventor** Karunamai Kar, Bhola Nath Dhawan, A K Gupta & J S Chauhan
- |  |                        |             |                    |           |
|--|------------------------|-------------|--------------------|-----------|
|  | <b>Institute</b>       | CDRI        |                    |           |
|  | <b>Application No.</b> | 0346DEL1983 | <b>Filing Date</b> | 8/22/1984 |
|  | <b>Patent No.</b>      | 159411      | <b>Grant Date</b>  | 2/19/1988 |
|  | <b>Country</b>         | India       | <b>Status</b>      | TO/1991   |
171. **Title** A process for the preparation of hypocholesterolemic/hypolipidemic active extract of rhizomes of Curcuma species of plant materials
- Inventor** Nandoo Mal Khanna, Jagat Pal Singh Sarin, Satyawan Singh, Raghwendra Pal, Raj Kumari Seth & Swarn Nityanand
- |  |                        |             |                    |            |
|--|------------------------|-------------|--------------------|------------|
|  | <b>Institute</b>       | CDRI        |                    |            |
|  | <b>Application No.</b> | 0958DEL1984 | <b>Filing Date</b> | 12/26/1984 |
|  | <b>Patent No.</b>      | 162441      | <b>Grant Date</b>  | 12/3/1988  |
|  | <b>Country</b>         | India       | <b>Status</b>      | TO/1991    |
172. **Title** A process for making a new absorbable haemostatic dressing from tamarind seed polyose
- Inventor** Jagat Pal Singh Sarin, Satyawan Singh, Ranesh Chandra Nandi, Gynendra Kumar Patnaik, Nandoo Mal Khanna & Bhola Nath Dhawan

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### Patents Filed/ Granted

	<b>Institute</b>	CDRI		
	<b>Application No.</b>	0059DEL1985	<b>Filing Date</b>	1/25/1985
	<b>Patent No.</b>	160755	<b>Grant Date</b>	6/11/1992
	<b>Country</b>	India	<b>Status</b>	RD
<b>173.</b>	<b>Title</b>	<b>Process for the synthesis of substituted S triazino pyrido indoles</b>		
	<b>Inventor</b>	<b>Anil Kumar Saxena, Shiv Kumar Agarwal, Brijesh Malaviya, Harish Chandra &amp; Nitya Anand</b>		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	0100DEL1985	<b>Filing Date</b>	2/7/1985
	<b>Patent No.</b>	160169	<b>Grant Date</b>	5/20/1988
	<b>Country</b>	India	<b>Status</b>	LP/BLPR
<b>174.</b>	<b>Title</b>	<b>A process for making medicated cervical dilators</b>		
	<b>Inventor</b>	<b>Nandoo Mal Khanna, Jagat Pal Singh Sarin, Satyawan Singh, Raghwendra Pal, Bachu Srinivasulu Setty, Rikhab Chand Srimal, Ved Prakash Kamboj &amp; Bhola Nath Dhawan</b>		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	0277DEL1985	<b>Filing Date</b>	3/30/1985
	<b>Patent No.</b>	161168	<b>Grant Date</b>	6/24/1988
	<b>Country</b>	India	<b>Status</b>	TO/1992*
<b>175.</b>	<b>Title</b>	<b>A process for te synthesis of L-tyrosyl-D-alanyl-glycyl-L-N-methyl-phenyl alanylmethionine-N-substituted amides and their corresponding sulfoxides derivatives</b>		
	<b>Inventor</b>	<b>Subh Dev Sharma, Krishna Bihari Mathur, Ram Raghubir, Gynendra Kumar Patnaik, Rikhab Chand Srimal &amp; Bhola Nath Dhawan</b>		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	0636DEL1985	<b>Filing Date</b>	8/5/1985
	<b>Patent No.</b>	166472	<b>Grant Date</b>	11/30/1990
	<b>Country</b>	India	<b>Status</b>	TO/1992
<b>176.</b>	<b>Title</b>	<b>Preparation of L- and D-isomers of DL-3,4,trans-2,2 disubstituted- 3,4- diarylchromans and derivatives thereof</b>		
	<b>Inventor</b>	<b>Mohammad Salman, Suprabhat Ray, Ved P. Kamboj &amp; Nitya Anand</b>		
	<b>Institute</b>	CDRI		

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### Patents Filed/ Granted

- |      |                        |  |                    |            |
|------|------------------------|--|--------------------|------------|
|      | <b>Application No.</b> | 8026333  | <b>Filing Date</b> | 8/13/1985  |
|      | <b>Patent No.</b>      | 2055836  | <b>Grant Date</b>  | 3/11/1981  |
|      | <b>Country</b>         | United Kingdom   | <b>Status</b>      | LP/87      |
|      |                        |  |                    |            |
| 177. | <b>Title</b>           | An improved method for the preparation of 3-ethyl-8-methyl 1, 3, 8-trizabicyclo (4, 4, O) decan-2-one (Centperazine) |                    |            |
|      | <b>Inventor</b>        | Mohinder Singh Anand, Vijay Kumar Agarwal, Ram Pratap, Satyawan Sharma, Sunil Krishna Chatterjee & Nitya Anand       |                    |            |
|      | <b>Institute</b>       | CDRI   |                    |            |
|      | <b>Application No.</b> | 1050DEL1985  | <b>Filing Date</b> | 12/12/1985 |
|      | <b>Patent No.</b>      | 166475   | <b>Grant Date</b>  | 2/22/1991  |
|      | <b>Country</b>         | India  | <b>Status</b>      | TO/1992    |
|      |                        |  |                    |            |
| 178. | <b>Title</b>           | An improved process for the preparation of 2-arylaliphatic acids   |                    |            |
|      | <b>Inventor</b>        | Nagendra Pratap Singh, Purnima Pandey, Anil Kumar & Kanti Prakash Agarwal  |                    |            |
|      | <b>Institute</b>       | CDRI   |                    |            |
|      | <b>Application No.</b> | 0960DEL1984  | <b>Filing Date</b> | 3/21/1986  |
|      | <b>Patent No.</b>      | 163218   | <b>Grant Date</b>  | 4/14/1989  |
|      | <b>Country</b>         | India  | <b>Status</b>      | TO/1993    |
|      |                        |  |                    |            |
| 179. | <b>Title</b>           | A process for the preparation of 1-formyl-4 substituted piperazines useful as male fertility regulating agents       |                    |            |
|      | <b>Inventor</b>        | Nandoo Mal Khanna, Anil Kumar Dwivedi, Jagat Pal Singh Sarin, Archana Srivastava & Bachu Srinivasulu Setty           |                    |            |
|      | <b>Institute</b>       | CDRI   |                    |            |
|      | <b>Application No.</b> | 0370DEL1986  | <b>Filing Date</b> | 4/25/1986  |
|      | <b>Patent No.</b>      | 167023   | <b>Grant Date</b>  | 7/5/1991   |
|      | <b>Country</b>         | India  | <b>Status</b>      | TO/1993    |
|      |                        |  |                    |            |
| 180. | <b>Title</b>           | A process for the preparation of 8-(4-d-hexopyranosylamino-1-methylbutylamino)-6-methoxyquinolines                   |                    |            |
|      | <b>Inventor</b>        | Mradula Saxena, Anil Kumar Saxena, Sunil Kumar Puri, Guru Prakash Dutta & Nitya Anand                                |                    |            |
|      | <b>Institute</b>       | CDRI   |                    |            |
|      | <b>Application No.</b> | 0744DEL1986  | <b>Filing Date</b> | 8/19/1986  |

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	<b>Patent No.</b>	164779	<b>Grant Date</b>	12/29/1989
	<b>Country</b>	India	<b>Status</b>	TO/1993
<b>181.</b>	<b>Title</b>	An improved process for the preparation 4,bis-dimethylamno-diphenyl sulphone as antimalarial agents		
	<b>Inventor</b>	Mradula Saxena, Zahid Ali, Anil Kumar Saxena, N Srivastava, Subhash Chandra, Amiya Bhushan Sen, Sunil Kumar Puri, Guru Prakash Dutta & Nitya Anand		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	0764DEL1986	<b>Filing Date</b>	8/26/1986
	<b>Patent No.</b>	164460	<b>Grant Date</b>	10/27/1989
	<b>Country</b>	India	<b>Status</b>	TO/1993
<b>182.</b>	<b>Title</b>	Process for the preparation of esters of amino acids with steroids and polymers thereof as antiameobic agents		
	<b>Inventor</b>	Neerja Pant, Hari Shankar Garg, Dewan Singh Bhakuni, Narendra Kumar Garg, Santosh Ranjan Das & Manojee Mohan Dhar		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	0853DEL1986	<b>Filing Date</b>	9/26/1986
	<b>Patent No.</b>	167487	<b>Grant Date</b>	8/2/1991
	<b>Country</b>	India	<b>Status</b>	TO/1993
<b>183.</b>	<b>Title</b>	A process for the synthesis of novel cis 1, benzole-1,2, 3,4a,5,11, 11-octahydro -6h-pyrido [3,2-b] carbazole and cis-4-benzole 1,2,3, 4,4a,5,6, 11c, octahydro-7H-pyrido [2-3-c] carbazole		
	<b>Inventor</b>	Anil Kumar Saxena, Hemant Kumar Singh, Bhola Nath Dhawan & Nitya Anand		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	01052DEL1986	<b>Filing Date</b>	12/3/1986
	<b>Patent No.</b>	165918	<b>Grant Date</b>	9/28/1990
	<b>Country</b>	India	<b>Status</b>	TO/1993
<b>184.</b>	<b>Title</b>	A process for the synthesis of novel cis 1,2,3,4,4a,5, 1, 11a-octahydro-6h-pyrido [3,2-b] carbazole		
	<b>Inventor</b>	Anil Kumar Saxena, Hemant Kumar Singh, Bhola Nath Dhawan & Nitya Anand		
	<b>Institute</b>	CDRI		
	<b>Application No.</b>	1053DEL1986	<b>Filing Date</b>	12/3/1986

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Patent No.	165919	Grant Date	9/28/1990
Country	India	Status	TO/1993
185.	Title	A process for the synthesis of novel cis 1,2,3,4,4a,5,5,11 c-octahydro- 7h-pyrido [2,3-c] carbazole	
	Inventor	Anil Kumar Saxena, Hemant Kumar Singh, Bhola Nath Dhawan & Nitya Anand	
	Institute	CDRI	
	Application No.	Filing Date	12/3/1986
	Patent No.	Grant Date	8/2/1991
	Country	Status	TO/1993
186.	Title	A process for the synthesis of novel cis-1-methyl-1,2,3,4,4a,5,11,11a-octahydro-6h-pyrido [3,2-b] carbazole	
	Inventor	Anil Kumar Saxena, Hemant Kumar Singh, Bhola Nath Dhawan & Nitya Anand	
	Institute	CDRI	
	Application No.	Filing Date	12/3/1986
	Patent No.	Grant Date	1/3/1992
	Country	Status	RD/1993
187.	Title	A process for the synthesis of cis-1-alkyl substituted-1,2,3,4,4a,5,11,11 a-octahydro-6h-pyrido [3,2-b] carbazole	
	Inventor	Anil Kumar Saxena, Hemant Kumar Singh, Bhola Nath Dhawan & Nitya Anand	
	Institute	CDRI	
	Application No.	Filing Date	12/3/1986
	Patent No.	Grant Date	8/2/1991
	Country	Status	TO/1993
188.	Title	A process for the synthesis of cis-1-alkyl substituted-1,2,3,4,4a,5,11 c-octahydro-6h-pyrido [2,3-c]	
	Inventor	Anil Kumar Saxena, Hemant Kumar Singh, Bhola Nath Dhawan & Nitya Anand	
	Institute	CDRI	
	Application No.	Filing Date	12/3/1986
	Patent No.	Grant Date	8/2/1991
	Country	Status	TO/1993

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- 189. Title** A process for the synthesis of cis-4-methyl 1,2,3,4,4a,5,6,11 c-octahydro-6h-pyrido [2,3-c] carbazole
- Inventor** Anil Kumar Saxena, Hemant Kumar Singh, Bhola Nath Dhawan & Nitya Anand
- Institute** CDRI
- Application No.** 1058DEL1986      **Filing Date** 12/3/1986
- Patent No.** 167494      **Grant Date** 8/2/1991
- Country** India      **Status** TO/1993
- 
- 190. Title** A process for the preparation of 2, 2 disubstituted or unsubstituted 5-5' dibenzimidazolyl ketones
- Inventor** Syed Abuzar, Satyawar Sharma, Amlendu Dutta, Nigar Fatima, Shivram, Pradeep Kumar Singh Visen, Suman Gupta, R K Chatterjee, Jagdish Chandra Katiyar & Amiya Bhushan Sen
- Institute** CDRI
- Application No.** 1146DEL1986      **Filing Date** 12/26/1986
- Patent No.** 166250      **Grant Date** 2/22/1991
- Country** India      **Status** TO/1993
- 
- 191. Title** A process for the preparation of pharmaceutically active 2,2'-dicarbalkoxyamino-5.5'-dibenzimidazolyl ketones
- Inventor** Syed Abuzar, Satyawar Sharma, Amlendu Dutta, Nigar Fatima, Shivram, Pradeep Kumar Singh Visen, Suman Gupta, R K Chatterjee, Jagdish Chandra Katiyar & Amiya Bhushan Sen
- Institute** CDRI
- Application No.** 1148DEL1986      **Filing Date** 12/26/1986
- Patent No.** 167040      **Grant Date** 4/26/1991
- Country** India      **Status** TO/1993
- 
- 192. Title** A process for the preparation of 2,7-diamidinoxanthone thioxanthone
- Inventor** Prem Man Singh Chauhan, Raman Narayan Iyer, Veena Shankhdhar, Purushottam Yashwant Guru & Amiya Bhushan Sen
- Institute** CDRI
- Application No.** 0373DEL1986      **Filing Date** 7/23/1987
- Patent No.** 167932      **Grant Date** 11/22/1991
- Country** India      **Status** TO/1994

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- 193. Title**                    **A process for the preparation of 2, 7-diamidinoxanthenes or thioxanthenes**
- Inventor**                    **Prem Man Singh Chauhan, Raman Narayan Iyer, Veena Shankhdhar, P Y Guru & Amiya Bhushan Sen**
- Institute**                    **CDRI**
- Application No.** 0626DEL1987    **Filing Date**    7/23/1987
- Patent No.**                    167210            **Grant Date**    8/23/1991
- Country**                    **India**            **Status**            TO/1994
- 
- 194. Title**                    **A process for making test papers for testing of iodized salt**
- Inventor**                    **Jagat Pal Singh Sarin & Ranesh Chandra Nandi**
- Institute**                    **CDRI**
- Application No.** 0799DEL1987    **Filing Date**    9/11/1987
- Patent No.**                    171228            **Grant Date**    11/12/1993
- Country**                    **India**            **Status**            LP/1995
- 
- 195. Title**                    **A process for separation of pure Plantago ovata (Isapgol) mucilage from its whole seed and seed husk**
- Inventor**                    **Madhu Khanna, Ranesh Chandra Nandi, Girish Kumar Jain, Satyawan Singh & Jagat Pal Singh Sarin**
- Institute**                    **CDRI**
- Application No.** 1048DEL1987    **Filing Date**    12/8/1987
- Patent No.**                    168300            **Grant Date**    2/21/1992
- Country**                    **India**            **Status**            TO/1994
- 
- 196. Title**                    **A process for the synthesis of 2, 7-di-8-( [4-fluoro-benzoyl] propyl) -1, 2, 3, 4, 6, 6a, 7, 11b, 12, 12a- decahydropyrazino (2', 1':6, 1) pyrido (3, 4-b) indole useful as potential CNS depressant agents**
- Inventor**                    **Jyoti Rao, Anil Kumar Saxena, Prithvi Raj Dua, Girja Shankar & Vishambhar Nath Bhalla**
- Institute**                    **CDRI**
- Application No.** 1080DEL1987    **Filing Date**    12/16/1987
- Patent No.**                    168877            **Grant Date**    5/22/1992
- Country**                    **India**            **Status**            TO/1994
- 
- 197. Title**                    **A process for the synthesis of di-methyl-2-substituted 1,2,3-4-tetrahydro-9H-pyrido (3,4-b) indole-3-carboxylates useful as antiulcer agents**

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### Patents Filed/ Granted

- |                        |   |                    |            |
|------------------------|---|--------------------|------------|
| <b>Inventor</b>        | <b>Ravish Chandra Tripathi, Anil Kumar Saxena &amp; Gyanendra Kumar Patnaik</b> |                    |            |
| <b>Institute</b>       | CDRI  |                    |            |
| <b>Application No.</b> | 1097DEL1987   | <b>Filing Date</b> | 12/18/1987 |
| <b>Patent No.</b>      | 170439  | <b>Grant Date</b>  | 6/25/1993  |
| <b>Country</b>         | <b>India</b>  | <b>Status</b>      | TO/1994    |
- 
- 198. Title**                    **A process for the preparation of 1 formyl 2,3,5,6 substituted piperazines useful as male fertility regulating agents**
- |                         |   |                    |            |
|-------------------------|---|--------------------|------------|
| <b>Inventor</b>         | <b>Anil Kumar Dwivedi, Jagat Pal Singh Sarin, Nandoo Mal Khanna, A Srivastava &amp; Bachu Srinivasulu Setty</b> |                    |            |
| <b>Institute</b>        | CDRI  |                    |            |
| <b>Application. No.</b> | 1128DEL1987   | <b>Filing Date</b> | 12/28/1987 |
| <b>Patent No.</b>       | 170509  | <b>Grant Date</b>  | 8/13/1993  |
| <b>Country</b>          | <b>India</b>  | <b>Status</b>      | TO/1994    |
- 
- 199. Title**                    **A process for the preparation of sustained release injectable Rifampicin**
- |                         |  |                    |            |
|-------------------------|--|--------------------|------------|
| <b>Inventor</b>         | <b>Madhu Khanna, Ranesh Chandra Nandi, Girish Kumar Jain, Satyawan Singh &amp; Jagat Pal Singh Sarin</b> |                    |            |
| <b>Institute</b>        | CDRI   |                    |            |
| <b>Application. No.</b> | 1129DEL1987  | <b>Filing Date</b> | 12/28/1987 |
| <b>Patent No.</b>       | 168537   | <b>Grant Date</b>  | 2/28/1992  |
| <b>Country</b>          | <b>India</b>   | <b>Status</b>      | TO/1994    |
- 
- 200. Title**                    **A process for the preparation of 1-[4-(3-tolyl)-piperazine-1-yl]-3-thio 4-substituted phenyl) propanes**
- |                         |   |                    |            |
|-------------------------|---|--------------------|------------|
| <b>Inventor</b>         | <b>Jyoti Rao, Anil Kumar Saxena, Ram Mohan Saxena &amp; Rikhab Chand Srimal</b> |                    |            |
| <b>Institute</b>        | CDRI  |                    |            |
| <b>Application. No.</b> | 1153DEL1987   | <b>Filing Date</b> | 12/31/1987 |
| <b>Patent No.</b>       | 169648  | <b>Grant Date</b>  | 4/2/1993   |
| <b>Country</b>          | <b>India</b>  | <b>Status</b>      | TO/1994    |
- 
- 201. Title**                    **A process for the synthesis of DL-2 substituted-1, 2, 3, 4-tetrahydro-9H pyrido (D, 4-b) indole-3-carboxylic acids**
- |                  |   |  |  |
|------------------|---|--|--|
| <b>Inventor</b>  | <b>Ravish Chandra Tripathi, Anil Kumar Saxena &amp; Gyanendra Kumar Patnaik</b> |  |  |
| <b>Institute</b> | CDRI  |  |  |

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- |             |                         |   |                    |            |
|-------------|-------------------------|---|--------------------|------------|
|             | <b>Application. No.</b> | 1160DEL1987   | <b>Filing Date</b> | 12/31/1987 |
|             | <b>Patent No.</b>       | 168420  | <b>Grant Date</b>  | 2/21/1992  |
|             | <b>Country</b>          | India   | <b>Status</b>      | TO/1994    |
| <b>202.</b> | <b>Title</b>            | <b>A process for the synthesis of novel 2-substituted 1,2,3,4,5,6a,7 11b,12,12a, decahydropyrazino (2,1,6:1) pyrido [3,4-b] indoles</b>                       |                    |            |
|             | <b>Inventor</b>         | <b>Jyoti Rao, Anil Kumar Saxena, Ram Mohan Saxena, Prithvi Raj Dua, Rikhab Chand Srimal &amp; Vishambhar Nath Bhalla.</b>                                     |                    |            |
|             | <b>Institute</b>        | CDRI  |                    |            |
|             | <b>Application. No.</b> | 0073DEL1988   | <b>Filing Date</b> | 1/29/1988  |
|             | <b>Patent No.</b>       | 166420  | <b>Grant Date</b>  | 11/30/1990 |
|             | <b>Country</b>          | India   | <b>Status</b>      | LP/1995    |
| <b>203.</b> | <b>Title</b>            | <b>A transdermal device for the administration of primaquine</b>  |                    |            |
|             | <b>Inventor</b>         | <b>Girish Kumar Jain, Satyawar Singh, Ranesh Chandra Nandi, Sunil Kumar Puri, Guru Prakash Dutta, Jagat Pal Singh Sarin &amp; Manojee Mohan Dhar</b>          |                    |            |
|             | <b>Institute</b>        | CDRI  |                    |            |
|             | <b>Application. No.</b> | 0917DEL1988   | <b>Filing Date</b> | 10/25/1988 |
|             | <b>Patent No.</b>       | 170905  | <b>Grant Date</b>  | 11/26/1993 |
|             | <b>Country</b>          | India   | <b>Status</b>      | TO/1995    |
| <b>204.</b> | <b>Title</b>            | <b>A process for the synthesis of 6-methoxy-8- (N-substituted -1- methyl -4- aminobutyl) aminoquinoline</b>   |                    |            |
|             | <b>Inventor</b>         | <b>Rahul Jain, Ram Chandra Gupta, Nitya Anand, Sunil Kumar Puri &amp; Guru Prakash Dutta</b>  |                    |            |
|             | <b>Institute</b>        | CDRI  |                    |            |
|             | <b>Application. No.</b> | 0982DEL1988   | <b>Filing Date</b> | 11/15/1988 |
|             | <b>Patent No.</b>       | 175156  | <b>Grant Date</b>  | 12/1/1995  |
|             | <b>Country</b>          | India   | <b>Status</b>      | TO/1997    |
| <b>205.</b> | <b>Title</b>            | <b>A process for the synthesis of N- acetylnormuramyl -L- N-methylalanyl -D- isoglutaminyl -N- substituted amides possessing high immunoadjuvant activity</b> |                    |            |
|             | <b>Inventor</b>         | <b>Shaheena Yasmeen Rizv, Bijoy Kundu &amp; Krishna Bihari Mathur</b>   |                    |            |
|             | <b>Institute</b>        | CDRI  |                    |            |
|             | <b>Application. No.</b> | 1110DEL1988   | <b>Filing Date</b> | 12/15/1988 |

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Patent No.	173794	Grant Date	2/10/1995
Country	India	Status	TO/1995
206.	Title	A process for the synthesis of a and b isomers of 6 amino-4-(5n)-oxo-1-xylofuranosyl pyrazolo [3,4-d] pyrimidine	
	Inventor	Ahmed Hasan, Rama Pati Tripathi, Ram Pratap, Dewan Singh Bhakuni, Raghwendra Pal, Anil Mishra & Jagdish Chandra Katiyar	
	Institute	CDRI	
	Application. No.	1132DEL1988	Filing Date 12/21/1988
	Patent No.	173563	Grant Date 12/30/1994
	Country	India	Status TO/1995
207.	Title	A process for the preparation of 1-aryl or alkyl-4-substituted aminomethyl penta-1,4-dien-3-ones useful as spermicidal agents	
	Inventor	Nandoo Mal Khanna, Vinay Kumar Shukla, Anil Kumar Dwivedi, Jagat Pal Singh Sarin, Bachu Srinivasulu Setty & Ved Prakash Kamboj	
	Institute	CDRI	
	Application. No.	1134DEL1988	Filing Date 12/21/1988
	Patent No.	173757	Grant Date 3/16/1995
	Country	India	Status TO/1995
208.	Title	An improved process for the production of coleonol from the foots of the plant Coleus forskohlit Briq. (syn C. barbatus)	
	Inventor	Jata Shankar Tandon, S K Chatterjee, Arvind Kumar Srivastava, Hira Lal Sharma, S C Sharma & Neeraj Verma	
	Institute	CDRI	
	Application. No.	1154DEL1987	Filing Date 2/10/1989
	Patent No.	168728	Grant Date 5/22/1992
	Country	India	Status TO/1996*
209.	Title	A process for the preparation of a fraction mainly containing picroside 1 and kutkoside having hepatoprotective, immunostimulant and virus neutralising properties from the plant Picrorrhiza kurroa	
	Inventor	Aswal Bacchan Singh, Ramesh Chander, Sunil Krishna Chatterjee, Bhola Nath Dhawan, Yogesh Dwivedi,	

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### Patents Filed/ Granted

**Narendra Kumar Garg, Poonam Jain, Narender Kumar Kapoor, Dinesh Kumar Kulshreshtha, Bishan Narain Mehrotra, Gyanendra Kumar Patnaik, Ravi Rastogi, Jagat Pal**

- |                         |             |                    |           |
|-------------------------|-------------|--------------------|-----------|
| <b>Institute</b>        | CDRI        |                    |           |
| <b>Application. No.</b> | 0450DEL1989 | <b>Filing Date</b> | 5/23/1989 |
| <b>Patent No.</b>       | 173796      | <b>Grant Date</b>  | 2/10/1995 |
| <b>Country</b>          | India       | <b>Status</b>      | TO/1996   |
- 
210. **Title**                    **A process for the preparation of 2-amino-1-phenyl-1-propanol (phenyl propanolamine B.P.)**
- Inventor**                    **Pramod Kumar, Shiv Kumar Agarwal, Som Nath Singh, Amlendu Dutta, Puvvada Kalpana Murthy & R K Chatterjee**
- |                         |             |                    |           |
|-------------------------|-------------|--------------------|-----------|
| <b>Institute</b>        | CDRI        |                    |           |
| <b>Application. No.</b> | 0829DEL1989 | <b>Filing Date</b> | 9/15/1989 |
| <b>Patent No.</b>       | 172970      | <b>Grant Date</b>  | 10/7/1994 |
| <b>Country</b>          | India       | <b>Status</b>      | TO/1996   |
- 
211. **Title**                    **A process for the synthesis of N- substituted amides of L-tyrosyl-D-alanyl-glycyl-L-N-methylphenylalanyl-glycine**
- Inventor**                    **Krishna Bihari Mathur, Subh Dev Sharma, Wahajul Haq, Bijoy Kundu, Ram Raghbir, Gynendra Kumar Patnaik & Bhola Nath Dhawan**
- |                         |             |                    |            |
|-------------------------|-------------|--------------------|------------|
| <b>Institute</b>        | CDRI        |                    |            |
| <b>Application. No.</b> | 0953DEL1989 | <b>Filing Date</b> | 10/19/1989 |
| <b>Patent No.</b>       | 173568      | <b>Grant Date</b>  | 12/30/1994 |
| <b>Country</b>          | India       | <b>Status</b>      | TO/1996    |
- 
212. **Title**                    **A process for the synthesis of alkyl -5(6)-(N1,N3-dicarboalkoxyguanidino) phenyl carbonyl benzimidazole -2-carbamates**
- Inventor**                    **Vijay Ojha, Jujhar Singh, Dewan Singh Bhakuni, Som Nath, Amlendu Dutta & Ranjit Kumar Chatterjee**
- |                         |             |                    |            |
|-------------------------|-------------|--------------------|------------|
| <b>Institute</b>        | CDRI        |                    |            |
| <b>Application. No.</b> | 1047DEL1989 | <b>Filing Date</b> | 11/10/1989 |
| <b>Patent No.</b>       | 173338      | <b>Grant Date</b>  | 11/25/1994 |
| <b>Country</b>          | India       | <b>Status</b>      | TO/1996    |

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### Patents Filed/ Granted

213. **Title** A process for the synthesis of 6-( $\alpha$ -aryl vinyl)-1,2,4-trioxanes
- Inventor** Chandan Singh, Dharmendra Misra, Subhash Chandra, Shashi Kant & Aftabul Islam
- Institute** CDRI
- Application. No.** 1104DEL1988      **Filing Date** 12/13/1989
- Patent No.** 170770      **Grant Date** 8/20/1993
- Country** India      **Status** TO/1996
- 
214. **Title** A process for the preparation of 3-aryl-1-hydroxy-but-3-en-2 hydroperoxides
- Inventor** Chandan Singh & Dharmendra Misra
- Institute** CDRI
- Application. No.** 1070DEL1988      **Filing Date** 12/26/1989
- Patent No.** 170906      **Grant Date** 10/1/1993
- Country** India      **Status** TO/1996
- 
215. **Title** A process for the preparation of (1-6"-methoxy-4-quinolinyl-3[3" vinyl-1"(substituted aminoacetyl) 4"piperidyl]-2-methylene propane-1-ones and their, water soluble salts
- Inventor** Nandoo Mal Khanna, Vinay Kumar Shukla, Anil Kumar Dwivedi, Bachu Srinivasulu Setty & Ved Prakash Kamboj
- Institute** CDRI
- Application. No.** 0172DEL1990      **Filing Date** 2/26/1990
- Patent No.** 173760      **Grant Date** 3/16/1995
- Country** India      **Status** TO/1997
- 
216. **Title** A process for the preparation of 1-(6-methoxy -4-quinolinyl)-3,-3"-vinyl-1" (N,N-dialkyl or heterocyclic amino alkyl) or substituted amino alkyl 4"-piperidyl) 2-methylene - propane-1-ones and their water soluble salts
- Inventor** Nandoo Mal Khanna, Vinay Kumar Shukla, Anil Kumar Dwivedi, Jagat Pal Singh Sarin, Bachu Srinivasulu Setty & Ved Prakash Kamboj
- Institute** CDRI
- Application. No.** 0173DEL1990      **Filing Date** 2/26/1990
- Patent No.** 174013      **Grant Date** 3/16/1995
- Country** India      **Status** TO/1997

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### Patents Filed/ Granted

217. **Title** An improved process for the isolation of human  $\alpha$  fetoprotein
- Inventor** Veena Bansal & M K Sahib
- Institute** CDRI
- Application. No.** 1102DEL1988      **Filing Date** 3/8/1990
- Patent No.** 173626      **Grant Date** 1/13/1995
- Country** India      **Status** TO/1997
- 
218. **Title** A process for the separation of arbortristoside a, aborsristoside b, arborstoside c, arborstoside e and 6b-hydroxyloganin from the seeds of the plant Nyctanthes arbortristis
- Inventor** Jata Shankar Tandon, Purushottam Yeshwant Guru, Vandana Srivastava & Sunita Bhatnagar
- Institute** CDRI
- Application. No.** 0308DEL1990      **Filing Date** 3/27/1990
- Patent No.** 173942      **Grant Date** 3/10/1995
- Country** India      **Status** TO/1997
- 
219. **Title** A process for the preparation of iridoids having antileishmanial activity from the seeds of the plant nyctanthes arbortristis linn
- Inventor** Jata Shankar Tandon, Purushottam Yeshwant Guru, Ujjal Kumar Shukla, Bishen Narain Mehrotra, Anita Rathore, Vandana Srivastava & Amiya Bhushan Sen
- Institute** CDRI
- Application. No.** 0309DEL1990      **Filing Date** 3/27/1990
- Patent No.** 173943      **Grant Date** 3/10/1995
- Country** India      **Status** TO/1997
- 
220. **Title** A process for the synthesis of N glycyl, N- E -(L-alanyl-D-isoglutaminy) -L- lysyl -N- alkyl amides possessing high immunostimulant activity
- Inventor** Wahajul Haq, Anju Puri, Bijoy Kundu, Ram Prakash Saxena, Aruna Kapil, Krishna Bihari Mathur & K C Saxena
- Institute** CDRI
- Application. No.** 0434DEL1990      **Filing Date** 5/8/1990
- Patent No.** 177680      **Grant Date**
- Country** India      **Status** PP/AC

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221. **Title** An improved process for the preparation of 1, 2, 3, 4, 6, 7, 12, 12a-octahydropyrazino [2, 1:6, 1] pyrido [3, 4-b] indole
- Inventor** Kalpana Bhandari & Sunil Krishna Chatterjee
- Institute** CDRI
- Application. No.** 0837DEL1990 **Filing Date** 8/20/1990
- Patent No.** 175567 **Grant Date** 2/9/1996
- Country** India **Status** TO/1997
- 
222. **Title** An improved process for the preparation of bromodiethyl carbonate
- Inventor** Devi Prasad Sahu & Sunil Krishna Chatterjee
- Institute** CDRI
- Application. No.** 0884DEL1990 **Filing Date** 9/5/1990
- Patent No.** 175616 **Grant Date** 2/9/1996
- Country** India **Status** TO/1997
- 
223. **Title** Improved process for the preparation of bacampicillin
- Inventor** Devi Prasad Sahu & Sunil Krishna Chatterjee
- Institute** CDRI
- Application. No.** 0885DEL1990 **Filing Date** 9/5/1990
- Patent No.** 175568 **Grant Date** 2/9/1996
- Country** India **Status** TO/1997
- 
224. **Title** An improved process for the isolation of swerchirin (1,8-dihydroxy, 3,5 -dimethoxy xanthone) from the plant Swertia chirayita
- Inventor** Madhu Bala Bajpai, Bysani Chandrasekhar, Bhaswaar Mukherjee, Swarup Kumar Mathur, Rakesh Kumar Asthana, Sudhir Kumar Palvi, Ramendra Bhushan Chakravarty, Ashok Kumar Sengupta, Ranjan Banerjee, Narendra Kumar Sharma, Bishan Narain Mehrotra, Dinesh Kumar K
- Institute** CDRI
- Application. No.** 0886DEL1990 **Filing Date** 9/5/1990
- Patent No.** 179769 **Grant Date** 8/28/1998
- Country** India **Status** TO/1997
- 
225. **Title** An improved process for the preparation of 4-phenyl-1- (2-substituted ethyl) imidazolidin-2-ones

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### Patents Filed/ Granted

- |                         |  |                    |                  |
|-------------------------|--|--------------------|------------------|
| <b>Inventor</b>         | <b>Sonika Batra, Satyawan Sharma, Vinita Nigam, Suman Gupta, Purushottam Yeshwant Guru &amp; Jagdish Chandra Katiyar</b> |                    |                  |
| <b>Institute</b>        | <b>CDRI</b>  |                    |                  |
| <b>Application. No.</b> | <b>0887DEL1990</b>   | <b>Filing Date</b> | <b>9/5/1990</b>  |
| <b>Patent No.</b>       | <b>174040</b>  | <b>Grant Date</b>  | <b>3/24/1995</b> |
| <b>Country</b>          | <b>India</b>   | <b>Status</b>      | <b>TO/1997</b>   |
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- |                         |   |                    |                  |
|-------------------------|---|--------------------|------------------|
| <b>226. Title</b>       | <b>An improved process for the preparation of hydroxyphenyl propanolamine</b>   |                    |                  |
| <b>Inventor</b>         | <b>Prema Muthusubramanian, M C Bhatia, P D Trivedi, Amiya Prasad Bhaduri, Sunil Krishna Chatterjee &amp; S K Basu</b> |                    |                  |
| <b>Institute</b>        | <b>CDRI</b>   |                    |                  |
| <b>Application. No.</b> | <b>0907DEL1990</b>  | <b>Filing Date</b> | <b>9/11/1990</b> |
| <b>Patent No.</b>       | <b>173945</b>   | <b>Grant Date</b>  | <b>3/10/1995</b> |
| <b>Country</b>          | <b>India</b>  | <b>Status</b>      | <b>TO/1997</b>   |
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- |                         |   |                    |                   |
|-------------------------|---|--------------------|-------------------|
| <b>227. Title</b>       | <b>A process for the synthesis of N- 1-and N- 2-substituted-4, 6-bis (thioalkyl)-1H/2H-pyrazol [3,4-d] pyrimidine</b> |                    |                   |
| <b>Inventor</b>         | <b>Neeraj Garg, Kamalakar Awasthi, Dewan Singh Bhakuni, Prem Prakash Gupta &amp; Rikhab Chand Srimal</b>              |                    |                   |
| <b>Institute</b>        | <b>CDRI</b>   |                    |                   |
| <b>Application. No.</b> | <b>1027DEL1990</b>  | <b>Filing Date</b> | <b>10/16/1990</b> |
| <b>Patent No.</b>       | <b>173991</b>   | <b>Grant Date</b>  | <b>3/16/1995</b>  |
| <b>Country</b>          | <b>India</b>  | <b>Status</b>      | <b>TO/1997</b>    |
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- |                         |  |                    |                   |
|-------------------------|--|--------------------|-------------------|
| <b>228. Title</b>       | <b>A process for the synthesis of 4-amino 6-thioalkyl -1- (2',2' - diethoxyethyl)-1h-pyrazolo [3,4-d] pyrimidine</b> |                    |                   |
| <b>Inventor</b>         | <b>Neeraj Garg, Kamalakar Awasthi, Dewan Singh Bhakuni, Prem Prakash Gupta &amp; Rikhab Chand Srimal</b>             |                    |                   |
| <b>Institute</b>        | <b>CDRI</b>  |                    |                   |
| <b>Application. No.</b> | <b>1028DEL1990</b>   | <b>Filing Date</b> | <b>10/16/1990</b> |
| <b>Patent No.</b>       | <b>173992</b>  | <b>Grant Date</b>  | <b>3/16/1995</b>  |
| <b>Country</b>          | <b>India</b>   | <b>Status</b>      | <b>TO/1997</b>    |
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- |                   |  |  |  |
|-------------------|--|--|--|
| <b>229. Title</b> | <b>A process for the synthesis of 4-amino -6- thioalkyl-2-(2', 2'- diethoxy ethyl)-2H pyrazolo [3, 4-d] pyrimidine</b> |  |  |
| <b>Inventor</b>   | <b>Neeraj Garg, Kamalakar Awasthi, Dewan Singh Bhakuni, Prem Prakash Gupta &amp; Rikhab Chand Srimal</b>               |  |  |

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### Patents Filed/ Granted

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|------|-------------------------|--|--------------------|------------|
|      | <b>Institute</b>        | CDRI   |                    |            |
|      | <b>Application. No.</b> | 1029DEL1990  | <b>Filing Date</b> | 10/16/1990 |
|      | <b>Patent No.</b>       | 175569   | <b>Grant Date</b>  | 2/9/1996   |
|      | <b>Country</b>          | India  | <b>Status</b>      | TO/1997    |
|      |                         |  |                    |            |
| 230. | <b>Title</b>            | An improved process for the preparation of arteether   |                    |            |
|      | <b>Inventor</b>         | Ram Asrey Viswakarma, Ragunath Singh Thakur , Guru Prakash Dutta & Renu Bajpai   |                    |            |
|      | <b>Institute</b>        | CDRI   |                    |            |
|      | <b>Application. No.</b> | 1070DEL1990  | <b>Filing Date</b> | 10/29/1990 |
|      | <b>Patent No.</b>       | 173947   | <b>Grant Date</b>  | 8/13/1994  |
|      | <b>Country</b>          | India  | <b>Status</b>      |            |
|      |                         |  |                    |            |
| 231. | <b>Title</b>            | A process for the preparation of biocide useful for controlling mosquito borne diseases from Bacillus sphaericus   |                    |            |
|      | <b>Inventor</b>         | Mahesh Chandra Bhatia, Prayag Dutt Trivedi, Subhash Chandra Tripathi, Guru Prakash Dutta, Vinod Prakash Sharma, Vinod Bihari, Samar Kumar Basu & Bhola Nath Dhawan |                    |            |
|      | <b>Institute</b>        | CDRI   |                    |            |
|      | <b>Application. No.</b> | 1076DEL1990  | <b>Filing Date</b> | 10/31/1990 |
|      | <b>Patent No.</b>       | 173994   | <b>Grant Date</b>  | 3/16/1995  |
|      | <b>Country</b>          | India  | <b>Status</b>      | TO/1997    |
|      |                         |  |                    |            |
| 232. | <b>Title</b>            | A process for the synthesis of novel 5-acyl -2- acylamino-1H -benzimidazoles useful as antifilarial agents   |                    |            |
|      | <b>Inventor</b>         | Vijay Ojha, Jughar Singh, Dewan Singh Bhakuni, Som Nath Singh, Amlendu Dutta & Ranjit Kumar Chatterjee   |                    |            |
|      | <b>Institute</b>        | CDRI   |                    |            |
|      | <b>Application. No.</b> | 1077DEL1990  | <b>Filing Date</b> | 10/31/1990 |
|      | <b>Patent No.</b>       | 173948   | <b>Grant Date</b>  | 3/10/1995  |
|      | <b>Country</b>          | India  | <b>Status</b>      | TO/1997    |
|      |                         |  |                    |            |
| 233. | <b>Title</b>            | A process for the synthesis of alkyl 5(6) - (N1,N3 - dicarbalkoxyguanidino) phenyl carbonylbenzimidazole-2-carbamates  |                    |            |
|      | <b>Inventor</b>         | Vijay Ojha, Jughar Singh, Dewan Singh Bhakuni, Som Nath Singh, Amlendu Dutta & Ranjit Kumar Chatterjee   |                    |            |
|      | <b>Institute</b>        | CDRI   |                    |            |

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### Patents Filed/ Granted

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|-------------|-------------------------|--|--------------------|------------|
|             | <b>Application. No.</b> | 1078DEL1990  | <b>Filing Date</b> | 10/31/1990 |
|             | <b>Patent No.</b>       | 173995   | <b>Grant Date</b>  | 3/16/1995  |
|             | <b>Country</b>          | India  | <b>Status</b>      | TO/1997    |
| <b>234.</b> | <b>Title</b>            | A process for the preparation of [3-arylmethyl-1- (3'-diethyl) -aminopropyl] pyrrolidines  |                    |            |
|             | <b>Inventor</b>         | Dubendu De, Manju Seth, Sunil Kumar Puri, Subhash Chandra & Amiya Prasad Bhaduri   |                    |            |
|             | <b>Institute</b>        | CDRI   |                    |            |
|             | <b>Application. No.</b> | 1079DEL1990  | <b>Filing Date</b> | 10/31/1990 |
|             | <b>Patent No.</b>       | 175180   | <b>Grant Date</b>  | 12/1/1995  |
|             | <b>Country</b>          | India  | <b>Status</b>      | TO/1997    |
| <b>235.</b> | <b>Title</b>            | A process for the synthesis of 4,5-substituted 2-oxo-4 -oxazolidine carboxylic acids   |                    |            |
|             | <b>Inventor</b>         | Dinesh Kumar Dikshit, Sangeeta Singh, Gyanendra Kumar Patnaik, Rikhab Chand Srimal & Bhola Nath Dhawan   |                    |            |
|             | <b>Institute</b>        | CDRI+CIMAP   |                    |            |
|             | <b>Application. No.</b> | 1276DEL1990  | <b>Filing Date</b> | 12/18/1990 |
|             | <b>Patent No.</b>       | 178841   | <b>Grant Date</b>  | 3/6/1998   |
|             | <b>Country</b>          | India  | <b>Status</b>      | TO/1997    |
| <b>236.</b> | <b>Title</b>            | A process for the preparation of novel coleonol-1 -O- hemi-succinyl bovine serum albumin protein bioconjugate useful as immunogen  |                    |            |
|             | <b>Inventor</b>         | Jata Shankar Tandon, Ram Asre Vishwakarma, Neeraj Verma & S Balachandran   |                    |            |
|             | <b>Institute</b>        | CDRI   |                    |            |
|             | <b>Application. No.</b> | 0818DEL1991  | <b>Filing Date</b> | 9/5/1991   |
|             | <b>Patent No.</b>       | 177701   | <b>Grant Date</b>  | 8/29/1997  |
|             | <b>Country</b>          | India  | <b>Status</b>      | TO/1998    |
| <b>237.</b> | <b>Title</b>            | A process for the preparation of new, stable and water-soluble sodium (1- $\alpha$ -caleonoloxo) hemisuccinate useful as antihypertensive drug and pharmacodynamic agent |                    |            |
|             | <b>Inventor</b>         | Jata Shankar Tandon, R S Vishwakarma, Rikhab Chand Srimal, Neeraj Verma & S Balachandran   |                    |            |
|             | <b>Institute</b>        | CDRI   |                    |            |
|             | <b>Application. No.</b> | 0821DEL1991  | <b>Filing Date</b> | 9/5/1991   |
|             | <b>Patent No.</b>       | 177702   | <b>Grant Date</b>  | 8/29/1997  |

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### Patents Filed/ Granted

Country	India	Status	TO/1998
238.	<p><b>Title</b> A process for the preparation of 5,6-substituted-3 cyano -4-methylthio -2H- pyran-2-ones having hepatoprotective activity</p> <p><b>Inventor</b> Falak Anwar Hussaini, Navedul Haq, Vishnu Ji Ram, Aboo Shoeb, Gyanendra Kumar Patnaik, Rikhab Chand Srimal &amp; S C Tripathi</p> <p><b>Institute</b> CDRI</p> <p><b>Application. No.</b> 0822DEL1991    <b>Filing Date</b> 9/5/1991</p> <p><b>Patent No.</b> 177703    <b>Grant Date</b> 8/29/1997</p> <p><b>Country</b> India    <b>Status</b> TO/1998</p>		
239.	<p><b>Title</b> A process for the preparation of 6-substituted-3- cyano-4-mathylthio-2H-pyran-2-ones having hepatoprotective activity</p> <p><b>Inventor</b> Falak Anwar Hussaini, Navedul Haq, Vishnu Ji Ram, Aboo Shoeb, Gyanendra Kumar Patnaik, Rikhab Chand Srimal &amp; S C Tripathi</p> <p><b>Institute</b> CDRI</p> <p><b>Application. No.</b> 0823DEL1991    <b>Filing Date</b> 9/5/1991</p> <p><b>Patent No.</b> 177704    <b>Grant Date</b> 8/29/1997</p> <p><b>Country</b> India    <b>Status</b> TO/1998</p>		
240.	<p><b>Title</b> A process for the synthesis of novel trans N- (2-hydroxy-1,2,3,4 -tetrahydro 1- naphthyl) -N' benzoylthiourea</p> <p><b>Inventor</b> Upendra Kumar Shukla, Anil Kumar Saxena, Hemant Kumar Singh, Bhola Nath Dhawan &amp; Nitya Anand</p> <p><b>Institute</b> CDRI</p> <p><b>Application. No.</b> 0848DEL1991    <b>Filing Date</b> 9/13/1991</p> <p><b>Patent No.</b> 181872    <b>Grant Date</b> 8/27/1999</p> <p><b>Country</b> India    <b>Status</b> LP/2002</p>		
241.	<p><b>Title</b> A process for the synthesis of novel trans 2-(N-2(hydroxy 1,2,3,4, tetrahydro -1- naphthyl) thiourea</p> <p><b>Inventor</b> Upendra Kumar Shukla, Anil Kumar Saxena, Hemant Kumar Singh, Bhola Nath Dhawan &amp; Nitya Anand</p> <p><b>Institute</b> CDRI</p> <p><b>Application. No.</b> 0849DEL1991    <b>Filing Date</b> 9/13/1991</p> <p><b>Patent No.</b> 179229    <b>Grant Date</b> 5/29/1998</p>		

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### Patents Filed/ Granted

Country	India	Status	TO/1998
242.	<b>Title</b>	<b>A process for the synthesis of novel trans 2-(N-2(hydroxy-1,2,3,4 tetrahydro -1- naphthyl) iminothiozolidine</b>	
	<b>Inventor</b>	<b>Upendra Kumar Shukla, Anil Kumar Saxena, Hemant Kumar Singh, Bhola Nath Dhawan &amp; Nitya Anand</b>	
	<b>Institute</b>	<b>CDRI</b>	
	<b>Application. No.</b>	<b>0850DEL1991</b>	<b>Filing Date 9/13/1991</b>
	<b>Patent No.</b>	<b>179230</b>	<b>Grant Date 5/29/1998</b>
	<b>Country</b>	<b>India</b>	<b>Status TO/1998</b>
243.	<b>Title</b>	<b>Stereoselective process for the novel diastereoisomers of coleonol (forskolin) and related labdane diterpenoids</b>	
	<b>Inventor</b>	<b>Jata Shankar Tandon &amp; Ram Asre Vishwakarma</b>	
	<b>Institute</b>	<b>CDRI</b>	
	<b>Application. No.</b>	<b>0690DEL1990</b>	<b>Filing Date 10/10/1991</b>
	<b>Patent No.</b>	<b>182182</b>	<b>Grant Date</b>
	<b>Country</b>	<b>India</b>	<b>Status PP/AC</b>
244.	<b>Title</b>	<b>Process for the preparation and composition of a fraction containing Picroside 1 and Kutkoside.</b>	
	<b>Inventor</b>	<b>Aswal Bacchan Singh , Ramesh Chander, Sunil Krishna Chatterji, Bhola Nath Dhawan , Yogesh Dwivedi , Narendra Kumar Garg , Poonam Jain, Narinder Kumar Kapoor, Dinesh Kumar Kulshreshtha , Bishan Narain Mehrotra, Gyanendra Kumar Patnaik, Ravi Rastogi &amp; Jag</b>	
	<b>Institute</b>	<b>CDRI</b>	
	<b>Application. No.</b>	<b>07/783410</b>	<b>Filing Date 10/28/1991</b>
	<b>Patent No.</b>	<b>5145955</b>	<b>Grant Date 9/8/1992</b>
	<b>Country</b>	<b>United States</b>	<b>Status IF/97</b>
245.	<b>Title</b>	<b>A process for the synthesis of glycopeptide N-acetyl normuramyl l-N-methylvalyl-D-isoglutamine</b>	
	<b>Inventor</b>	<b>Shaheena Yasmeen Rizv, Bijoy Kundu, Krishna Bihari Mathur, Anju Puri, Ram Prakash Saxena, Krishna Chandra Saxena &amp; Aruna Kapil</b>	
	<b>Institute</b>	<b>CDRI</b>	
	<b>Application. No.</b>	<b>1043DEL1991</b>	<b>Filing Date 10/29/1991</b>
	<b>Patent No.</b>	<b>178848</b>	<b>Grant Date 3/6/1998</b>
	<b>Country</b>	<b>India</b>	<b>Status TO/1998</b>

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### Patents Filed/ Granted

246. **Title** A process for the preparation of a tablet containing both Clofazimine and Dapsone  
**Inventor** Satyawan Singh, Madhu Khanna & Jagat Pal Singh Sarin  
**Institute** CDRI  
**Application. No.** 1116DEL1991 **Filing Date** 11/18/1991  
**Patent No.** 178447 **Grant Date** 12/19/1997  
**Country** India **Status** TO/1998
247. **Title** A process for the synthesis of poly-substituted pyrazoles  
**Inventor** Vishnu Ji Ram, Falak Anwar Hussaini & Aboo Shoeb  
**Institute** CDRI  
**Application. No.** 1201DEL1991 **Filing Date** 12/6/1991  
**Patent No.** 178448 **Grant Date** 12/19/1997  
**Country** India **Status** TO/1998
248. **Title** A process of making transdermal device containing methyl -5-[4-(2- pyridinyl)1 -piperazinyl] -1- h-benzimidazol -2- yl-carbamate useful as a broad spectrum antihelminthic  
**Inventor** Puvvada Kalpana Murthy, Jagdish Chandra Katiyar, Suman Gupta, Girish Kumar Jain, Satyawan Singh, J K Srivastava & Jagat Pal Singh Sarin  
**Institute** CDRI  
**Application. No.** 1202DEL1991 **Filing Date** 12/6/1991  
**Patent No.** 178449 **Grant Date** 12/19/1997  
**Country** India **Status** TO/1998
249. **Title** An improved process for the preparation of mefloquin  
**Inventor** Anil Kumar & Sunil Krishna Chatterjee  
**Institute** CDRI  
**Application. No.** 1285DEL1991 **Filing Date** 12/27/1991  
**Patent No.** 178385 **Grant Date** 12/5/1997  
**Country** India **Status** TO/1998
250. **Title** A process for the preparation of novel 2-substituted and 2,5,7-tri-substituted imidazo [1,2-a] pyridines showing antifertility activity  
**Inventor** Kanwal Raj, Surendra Pal Vishnoi, Aboo Shoeb, Deoki Nandan Gupta, Govind Keshri & Ved Prakash Kamboj

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### Patents Filed/ Granted

- |  |                         |             |                    |           |
|--|-------------------------|-------------|--------------------|-----------|
|  | <b>Institute</b>        | CDRI        |                    |           |
|  | <b>Application. No.</b> | 0102DEL1992 | <b>Filing Date</b> | 2/10/1992 |
|  | <b>Patent No.</b>       | 179788      | <b>Grant Date</b>  | 8/28/1998 |
|  | <b>Country</b>          | India       | <b>Status</b>      | TO/1999   |
251. **Title**                    **A process for the preparation of novel 2,3-substituted imidozo-[1,2-a]pyridines showing antifertility activity**
- Inventor**                    **Kanwal Raj, Surendra Pal Vishnoi, Aboo Shoeb, Deoki Nandan Gupta, Govind Keshri & Ved Prakash Kamboj**
- Institute**                    CDRI
- |  |                         |             |                    |           |
|--|-------------------------|-------------|--------------------|-----------|
|  | <b>Application. No.</b> | 0103DEL1992 | <b>Filing Date</b> | 2/10/1992 |
|  | <b>Patent No.</b>       | 179789      | <b>Grant Date</b>  | 8/28/1998 |
|  | <b>Country</b>          | India       | <b>Status</b>      | TO/1999   |
252. **Title**                    **A process for the preparation of novel 2-substituted imidazo [1,2-a]pyridines showing antifertility activity**
- Inventor**                    **Kanwal Raj, Surendra Pal Vishnoi, Aboo Shoeb, Deoki Nandan Gupta, Govind Keshri & Ved Prakash Kamboj**
- Institute**                    CDRI
- |  |                         |            |                    |           |
|--|-------------------------|------------|--------------------|-----------|
|  | <b>Application. No.</b> | 0104DEL199 | <b>Filing Date</b> | 2/10/1992 |
|  | <b>Patent No.</b>       | 179790     | <b>Grant Date</b>  | 8/28/1998 |
|  | <b>Country</b>          | India      | <b>Status</b>      | TO/1999   |
253. **Title**                    **A process for the preparation of 2-substituted / unsubstituted 6,8-dibromo -3- (substituted / cyclic-amino - 2- hydroxy-propyl) quinazolin -4- ones having local anaesthetic-activity**
- Inventor**                    **Surendra Pal Vishnoi, Gyanendra Kumar Patnaik, Aboo Shoeb & Rikhab Chand Srimal**
- Institute**                    CDRI
- |  |                         |             |                    |           |
|--|-------------------------|-------------|--------------------|-----------|
|  | <b>Application. No.</b> | 0117DEL1992 | <b>Filing Date</b> | 2/12/1992 |
|  | <b>Patent No.</b>       | 178849      | <b>Grant Date</b>  | 3/6/1998  |
|  | <b>Country</b>          | India       | <b>Status</b>      | TO/1999   |
254. **Title**                    **A process for the preparation of 2-substituted-6,8-dibromo-3-(substituted/cyclic amino-2-hydroxy-propoxy )-quinazolin-4-ones having local anaesthetic activity**
- Inventor**                    **Surendra Pal Vishnoi, Gyanendra Kumar Patnaik, Aboo Shoeb & Rikhab Chand Srimal**
- Institute**                    CDRI

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### Patents Filed/ Granted

- |      |                                     |   |            |
|------|-------------------------------------|---|------------|
|      | <b>Application. No.</b> 0118DEL1992 | <b>Filing Date</b>  | 2/12/1992  |
|      | <b>Patent No.</b> 178850            | <b>Grant Date</b>   | 3/6/1998   |
|      | <b>Country</b> India                | <b>Status</b>   | TO/1999    |
|      |                                     |   |            |
| 255. | <b>Title</b>                        | A process for the synthesis of novel alkyl-2-cyanomethyl-1,2,3,4-tetrahydro-9H-pyrido [3,4-b] indole-3-carboxylate  |            |
|      | <b>Inventor</b>                     | Anil Kumar Saxena   |            |
|      | <b>Institute</b>                    | CDRI  |            |
|      | <b>Application. No.</b> 0119DEL1992 | <b>Filing Date</b>  | 2/12/1992  |
|      | <b>Patent No.</b> 178660            | <b>Grant Date</b>   | 1/23/1998  |
|      | <b>Country</b> India                | <b>Status</b>   | TO/1999    |
|      |                                     |   |            |
| 256. | <b>Title</b>                        | A process for the synthesis of novel 1-oxo-1,2,3,4,6,7,12 12a-octahydro- pyrazino [2'1'.6,1] pyrido (3,4-b) indole  |            |
|      | <b>Inventor</b>                     | Anil Kumar Saxena   |            |
|      | <b>Institute</b>                    | CDRI  |            |
|      | <b>Application. No.</b> 0120DEL1992 | <b>Filing Date</b>  | 2/12/1992  |
|      | <b>Patent No.</b> 178621            | <b>Grant Date</b>   | 1/16/1998  |
|      | <b>Country</b> India                | <b>Status</b>   | TO/1999    |
|      |                                     |   |            |
| 257. | <b>Title</b>                        | A process for the synthesis of novel 1-[4-substituted aryl-piperazin-1-yl]-3-[thio(4-substituted ) phenyl] propanes as potential anti inflammatory agents |            |
|      | <b>Inventor</b>                     | Jyoti Rao, Anil Kumar Saxena, Ram Mohan Saxena & Rikhab Chand Srimal  |            |
|      | <b>Institute</b>                    | CDRI  |            |
|      | <b>Application. No.</b> 0121DEL1992 | <b>Filing Date</b>  | 2/12/1992  |
|      | <b>Patent No.</b> 178482            | <b>Grant Date</b>   | 12/26/1997 |
|      | <b>Country</b> India                | <b>Status</b>   | TO/1999    |
|      |                                     |   |            |
| 258. | <b>Title</b>                        | A process for the synthesis of DL-alkyl-1,2,3,4-tetrahydro-9H-pyrido[3,4-b] indole-3-carboxylates   |            |
|      | <b>Inventor</b>                     | Mradula Saxena, Jyoti Rao & Anil Kumar Saxena   |            |
|      | <b>Institute</b>                    | CDRI  |            |
|      | <b>Application. No.</b> 0122DEL1992 | <b>Filing Date</b>  | 2/12/1992  |
|      | <b>Patent No.</b> 178622            | <b>Grant Date</b>   | 1/16/1998  |
|      | <b>Country</b> India                | <b>Status</b>   | TO/1999    |

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### Patents Filed/ Granted

259. **Title** A process for making an improved transdermal device for the administration of primaquine diphosphate
- Inventor** Girish Kumar Jain, Satyawan Singh, Sunil Kumar Puri, Guru Prakash Dutta & Jagat Pal Singh Sarin
- Institute** CDRI
- Application. No.** 0101DEL1992      **Filing Date** 5/6/1992
- Patent No.** 178481      **Grant Date** 12/26/1997
- Country** India      **Status** TO/1999
- 
260. **Title** An improved process for the preparation of 3-ethyl -8-methyl-1,3,8-triazabicyclo [4,4-O] decan-2-one
- Inventor** Sreela Sengupta, Devi Prasad Sahu & Sunil Krishna Chatterjee
- Institute** CDRI
- Application. No.** 0158DEL1992      **Filing Date** 5/6/1992
- Patent No.** 178930      **Grant Date** 3/20/1998
- Country** India      **Status** TO/1999
- 
261. **Title** Process for the preparation and composition of a fraction containing Picoside 1 and Kutkoside.
- Inventor** Aswal Bacchan Singh , Ramesh Chander, Sunil Krishna Chatterji, Bhola Nath Dhawan , Yogesh Dwivedi , Narendra Kumar Garg , Poonam Jain, Narinder Kumar Kapoor, Dinesh Kumar Kulshreshtha , Bishan Narain Mehrotra, Gyanendra Kumar Patnaik, Ravi Rastogi & Jag
- Institute** CDRI
- Application. No.** 92304538.9      **Filing Date** 5/20/1992
- Patent No.** 571668      **Grant Date** 12/1/1993
- Country** Europe      **Status** LP/20010213 (X)
- 
262. **Title** An improved process for the preparation of 1,3-dioxolen-2-ones
- Inventor** Devi Prasad Sahu
- Institute** CDRI
- Application. No.** 0612DEL1992      **Filing Date** 7/15/1992
- Patent No.** 178863      **Grant Date** 3/6/1998
- Country** India      **Status** TO/1999
- 
263. **Title** A process for the synthesis of 4,5,6-tri substituted-2-aminopyridines, useful as potential antiucler agents.

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### Patents Filed/ Granted

- |                         |   |                    |           |
|-------------------------|---|--------------------|-----------|
| <b>Inventor</b>         | <b>Vishnu Ji Ram, Falak Anwar Hussaini, Aboo Shoeb &amp; Amiya Prasad Bhaduri</b> |                    |           |
| <b>Institute</b>        | CDRI  |                    |           |
| <b>Application. No.</b> | 0831DEL1992   | <b>Filing Date</b> | 9/16/1992 |
| <b>Patent No.</b>       | 178620  | <b>Grant Date</b>  | 1/16/1998 |
| <b>Country</b>          | India   | <b>Status</b>      | TO/1999   |
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- |      |                         |   |                              |
|------|-------------------------|---|------------------------------|
| 264. | <b>Title</b>            | <b>An improved process for preparation of 1-<math>\alpha</math>-methylamino-propiofenone from D-ephedrine and 1- pseudo-ephedrine</b> |                              |
|      | <b>Inventor</b>         | <b>Devi Prasad Sahu</b>   |                              |
|      | <b>Institute</b>        | CDRI  |                              |
|      | <b>Application. No.</b> | 0846DEL1992   | <b>Filing Date</b> 9/22/1992 |
|      | <b>Patent No.</b>       | 179015  | <b>Grant Date</b> 4/7/1998   |
|      | <b>Country</b>          | India   | <b>Status</b> TO/1999        |
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- |      |                         |   |                              |
|------|-------------------------|---|------------------------------|
| 265. | <b>Title</b>            | <b>A process for the preparation of 1-(hetero-aryl)-9H-pyrido [3,4-b] indoles useful as potential filaricides.</b>  |                              |
|      | <b>Inventor</b>         | <b>Alka Agarwal, Shiv Kumar Agarwal, Som Nath Singh, Puvvada Kalpana Murthy, Amlendu Dutta &amp; R K Chatterjee</b> |                              |
|      | <b>Institute</b>        | CDRI  |                              |
|      | <b>Application. No.</b> | 1238DEL1992   | <b>Filing Date</b> 9/23/1992 |
|      | <b>Patent No.</b>       | 178695  | <b>Grant Date</b> 1/29/1998  |
|      | <b>Country</b>          | India   | <b>Status</b> TO/1999        |
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- |      |                         |  |                              |
|------|-------------------------|--|------------------------------|
| 266. | <b>Title</b>            | <b>A process for the synthesis of antifilarial 2-(haloaryl) amino-4,6-dihydrazino-s-triazines.</b>       |                              |
|      | <b>Inventor</b>         | <b>Prem Man Singh Chauhan, Som Nath Singh, Puvvada Kalpana Murthy, R K Chatterjee &amp; Amlendu Dutt</b> |                              |
|      | <b>Institute</b>        | CDRI   |                              |
|      | <b>Application. No.</b> | 0882DEL1992  | <b>Filing Date</b> 9/30/1992 |
|      | <b>Patent No.</b>       | 179180   | <b>Grant Date</b> 5/15/1998  |
|      | <b>Country</b>          | India  | <b>Status</b> TO/1999        |
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- |      |                  |  |  |
|------|------------------|--|--|
| 267. | <b>Title</b>     | <b>A process for the preparation of 1-aryl-2-methoxycarbonylamino-1,3-diazaspiro [4,4(5)]alk-2-enes useful as antifilarial agents.</b> |  |
|      | <b>Inventor</b>  | <b>Syed Shawkat Naim, Satyawan Sharma, Som Nath Singh, Nigar Fatima, Amlendu Dutta &amp; Ranjit Kumar Chatterjee</b>                   |  |
|      | <b>Institute</b> | CDRI   |  |

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### Patents Filed/ Granted

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|-------------|-------------------------|--|--------------------|------------|
|             | <b>Application. No.</b> | 0971DEL1992  | <b>Filing Date</b> | 10/26/1992 |
|             | <b>Patent No.</b>       | 178614   | <b>Grant Date</b>  | 1/16/1998  |
|             | <b>Country</b>          | India  | <b>Status</b>      | TO/1999    |
| <b>268.</b> | <b>Title</b>            | <b>An improved process for the preparation of a substituted piperazines.</b>   |                    |            |
|             | <b>Inventor</b>         | <b>Sreela Sengupta, Devi Prasad Sahu &amp; Sunil Krishna Chatterjee</b>  |                    |            |
|             | <b>Institute</b>        | CDRI   |                    |            |
|             | <b>Application. No.</b> | 1075DEL1992  | <b>Filing Date</b> | 11/20/1992 |
|             | <b>Patent No.</b>       | 179274   | <b>Grant Date</b>  | 6/12/1998  |
|             | <b>Country</b>          | India  | <b>Status</b>      | TO/1999    |
| <b>269.</b> | <b>Title</b>            | <b>A process for the preparation of 6-bromo -5- nitro -1-substituted 9H-pyrido [3,4-b] indoles useful as antifungal agents.</b>      |                    |            |
|             | <b>Inventor</b>         | <b>Alka Agarwal, Shiv Kumar Agarwal, Praveen Kumar Shukla &amp; Zafar Kamal Khan</b>   |                    |            |
|             | <b>Institute</b>        | CDRI   |                    |            |
|             | <b>Application. No.</b> | 1123DEL1992  | <b>Filing Date</b> | 11/30/1992 |
|             | <b>Patent No.</b>       | 178868   | <b>Grant Date</b>  | 3/6/1998   |
|             | <b>Country</b>          | India  | <b>Status</b>      | TO/1999    |
| <b>270.</b> | <b>Title</b>            | <b>A process for the preparation of 7-bromo-1-phenyl-8-aceto-amido-9H-pyrido [3,4-b] indoles useful as antifungal agents</b>         |                    |            |
|             | <b>Inventor</b>         | <b>Alka Agarwal, Shiv Kumar Agarwal, Praveen Kumar Shukla &amp; Zafar Kamal Khan</b>   |                    |            |
|             | <b>Institute</b>        | CDRI   |                    |            |
|             | <b>Application. No.</b> | 1126DEL1992  | <b>Filing Date</b> | 11/30/1992 |
|             | <b>Patent No.</b>       | 179275   | <b>Grant Date</b>  | 6/12/1998  |
|             | <b>Country</b>          | India  | <b>Status</b>      | TO/1999    |
| <b>271.</b> | <b>Title</b>            | <b>A process for the preparation of 7-bromo-1-phenyl-8-methane-sulfonamido-9h -pyrido(3,4-b)indoles useful as antifungal agents.</b> |                    |            |
|             | <b>Inventor</b>         | <b>Alka Agarwal, Shiv Kumar Agarwal, Praveen Kumar Shukla &amp; Zafar Kamal Khan</b>   |                    |            |
|             | <b>Institute</b>        | CDRI   |                    |            |
|             | <b>Application. No.</b> | 1127DEL1992  | <b>Filing Date</b> | 11/30/1992 |
|             | <b>Patent No.</b>       | 179017   | <b>Grant Date</b>  | 4/7/1998   |

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### Patents Filed/ Granted

Country	India	Status	TO/1999
272.	<b>Title</b>	<b>A process for the synthesis of N- [4-cyano pyrazole-5-yl] dithiomethyl carbamides useful as antifilarials.</b>	
	<b>Inventor</b>	<b>Prem Man Singh Chauhan, Som Nath Singh, Amlendu Dutta &amp; Ranjit Kumar Chatterjee</b>	
	<b>Institute</b>	CDRI	
	<b>Application. No.</b>	1146DEL1992	<b>Filing Date</b> 12/3/1992
	<b>Patent No.</b>	178628	<b>Grant Date</b> 1/16/1998
	<b>Country</b>	<b>India</b>	<b>Status</b> TO/1999
273.	<b>Title</b>	<b>A process for the synthesis of antifilarial 2,4-di-(4-chloro-3-nitro aniliny)-6-amino-s-triazine.</b>	
	<b>Inventor</b>	<b>Prem Man Singh Chauhan, Nigar Fatima &amp; Ranjit Kumar Chatterjee</b>	
	<b>Institute</b>	CDRI	
	<b>Application. No.</b>	1148DEL1992	<b>Filing Date</b> 12/3/1992
	<b>Patent No.</b>	178159	<b>Grant Date</b> 10/31/1997
	<b>Country</b>	<b>India</b>	<b>Status</b> TO/1999
274.	<b>Title</b>	<b>A process for the preparation of N-oxo-1-substituted-10,14-dihydro pyrido [3,4-b] imidazo [1,2-c'] quinazolo [4,5-e] indole</b>	
	<b>Inventor</b>	<b>Alka Agarwal, Shiv Kumar Agarwal, Dewan Singh Bhakuni, Som Nath Singh, Puvvada Kalpana Murthy &amp; R K Chatterjee</b>	
	<b>Institute</b>	CDRI	
	<b>Application. No.</b>	1111DEL1991	<b>Filing Date</b> 12/10/1992
	<b>Patent No.</b>	179786	<b>Grant Date</b> 8/28/1998
	<b>Country</b>	<b>India</b>	<b>Status</b> LP/1999
275.	<b>Title</b>	<b>A process for the preparation of 1-(heteroaryl)-9H-pyrido [3,4-b] indoles useful as potential filaricides.</b>	
	<b>Inventor</b>	<b>Alka Agarwal, Shiv Kumar Agarwal, Som Nath Singh, Puvvada Kalpana Murthy, Amlendu Dutta &amp; R K Chatterjee</b>	
	<b>Institute</b>	CDRI	
	<b>Application. No.</b>	0852DEL1992	<b>Filing Date</b> 12/23/1992
	<b>Patent No.</b>	178490	<b>Grant Date</b> 12/26/1997
	<b>Country</b>	<b>India</b>	<b>Status</b> TO/1999

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### Patents Filed/ Granted

276. **Title** A process for the preparation of antifilarial 4-cyno-5-  
quanidino pyrazole
- Inventor** Prem Man Singh Chauhan, Som Nath Singh, Amlendu  
Dutta & R K Chatterjee
- Institute** CDRI
- Application. No.** 1239DEL1992 **Filing Date** 12/23/1992
- Patent No.** 180497 **Grant Date** 1/8/1999
- Country** India **Status** TO/1999
- 
277. **Title** A process for the preparation of 1,5-diaryl-4,5-dihydro-2-  
methoxycarbonyl aminoimidazoles useful as antifilarial  
agents.
- Inventor** Syed Shawkat Naim, Satyawan Sharma, Som Nath Singh,  
Nigar Fatima, Amlendu Dutta & R K Chatterjee
- Institute** CDRI
- Application. No.** 0970DEL1992 **Filing Date** 12/26/1992
- Patent No.** 177469 **Grant Date** 7/11/1997
- Country** India **Status** LP/1998
- 
278. **Title** An improved process for the purification of steroid  
hormone-protein conjugates which are useful for  
production of antibodies
- Inventor** Arvind Kumar Srivastava, Ram Chandra Gupta & Pyara  
Krishan Grover
- Institute** CDRI
- Application. No.** 1283DEL1992 **Filing Date** 12/31/1992
- Patent No.** 178871 **Grant Date** 3/12/1998
- Country** India **Status** TO/1999
- 
279. **Title** A process for the preparation of 6-acetamido -5- bromo -1-  
substituted -9H- pyrido [3,4-b] indoles useful as antifungal  
agents
- Inventor** Anil Kumar & A Mital
- Institute** CDRI
- Application. No.** 0018DEL1993 **Filing Date** 1/8/1993
- Patent No.** 183634 **Grant Date**
- Country** India **Status** PP/AC

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### Patents Filed/ Granted

- 280. Title**                    **A process for the preparation of 5-bromo-6-methane sulfonamido-1-phenyl-9H-pyrido [3,4-b] indoles useful as antifungal agents**
- Inventor**                    **Alka Agarwal, Shiv Kumar Agarwal, Praveen Kumar Shukla & Zafar Kamal Khan**
- Institute**                    **CDRI**
- Application. No.** 0019DEL1993    **Filing Date**    1/8/1993
- Patent No.**                    183635                    **Grant Date**
- Country**                    **India**                    **Status**                    PP/AC
- 
- 281. Title**                    **A process for the synthesis of 3',5'-anhydro-9-beta-d-xylofuranosyladenine showing antiviral activity**
- Inventor**                    **Deepa Gulati, Shoeb Iqbal Khan, Cyril Xavier George, Ram Pratap & Dewan Singh Bhakuni**
- Institute**                    **CDRI**
- Application. No.** 1109DEL1991    **Filing Date**    2/15/1993
- Patent No.**                    178923                    **Grant Date**    3/20/1998
- Country**                    **India**                    **Status**                    LP/2000
- 
- 282. Title**                    **An improved process for the preparation of  $\alpha$  amino acids.**
- Inventor**                    **Anil Kumar & A Mital**
- Institute**                    **CDRI**
- Application. No.** 0289DEL1993    **Filing Date**    3/23/1993
- Patent No.**                    183082                    **Grant Date**
- Country**                    **India**                    **Status**                    PP/AC
- 
- 283. Title**                    **A process for the preparation of rh(1)(diene, 1,6-O-bis (diphenylphosphino) cis, cis spiro (4,4) nonane complex.**
- Inventor**                    **Anil Kumar & A Mital**
- Institute**                    **CDRI**
- Application. No.** 0290DEL1993    **Filing Date**    3/23/1993
- Patent No.**                    183083                    **Grant Date**    3/24/2000
- Country**                    **India**                    **Status**                    LP/2006
- 
- 284. Title**                    **A process for the preparation of novel chiral spiro (4,4) nonan-1-6-O-bis (diaryl) phosphinite.**
- Inventor**                    **Anil Kumar & A Mital**
- Institute**                    **CDRI**
- Application. No.** 0291DEL1993    **Filing Date**    3/23/1993
- Patent No.**                    183084                    **Grant Date**    3/24/2000

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Country	India	Status	LP/2002
285.	<b>Title</b>	A process for the preparation of 1-aryl -1,2,3,4- tetrahydro -9H- pyrido [3,4-b] indole -3- carboxylic acids useful as intermediates for the preparation of antifilarials	
	<b>Inventor</b>	Prمود Kumar, Shiv Kumar Agarwal, Som Nath Singh, Amlendu Dutta, Puvvada Kalpana Murthy & Ranjit Kumar Chatterjee	
	<b>Institute</b>	CDRI	
	<b>Application. No.</b>	0823DEL1993	<b>Filing Date</b> 8/5/1993
	<b>Patent No.</b>	179020	<b>Grant Date</b> 4/7/1998
	<b>Country</b>	India	<b>Status</b> LP/1999
286.	<b>Title</b>	A process for the preparation of 1-aryl-9H- pyrido [3,4-b] indoles useful as intermediates for the preparation of compounds having antifilarial activity	
	<b>Inventor</b>	Prمود Kumar, Shiv Kumar Agarwal, Som Nath Singh, Amlendu Dutta, Puvvada Kalpana Murthy & Ranjit Kumar Chatterjee	
	<b>Institute</b>	CDRI	
	<b>Application. No.</b>	0824DEL1993	<b>Filing Date</b> 8/5/1993
	<b>Patent No.</b>	182307	<b>Grant Date</b> 9/24/1999
	<b>Country</b>	India	<b>Status</b> LP/2001
287.	<b>Title</b>	A process for the preparation of 1-aryl-6-8-nitro-9H- pyrido [3,4-6] indoles useful as antifilarials	
	<b>Inventor</b>	Prمود Kumar, Shiv Kumar Agarwal, Som Nath Singh, Amlendu Dutta, Puvvada Kalpana Murthy & Ranjit Kumar Chatterjee	
	<b>Institute</b>	CDRI	
	<b>Application. No.</b>	0825DEL1993	<b>Filing Date</b> 8/5/1993
	<b>Patent No.</b>	182308	<b>Grant Date</b> 9/24/1999
	<b>Country</b>	India	<b>Status</b> LP/2001
288.	<b>Title</b>	A process for the preparation of 6-8-amino -1- aryl-9H- pyrido [3,4-b] indoles useful as antifilarials	
	<b>Inventor</b>	Prمود Kumar, Shiv Kumar Agarwal, Som Nath Singh, Amlendu Dutta, Puvvada Kalpana Murthy & Ranjit Kumar Chatterjee	
	<b>Institute</b>	CDRI	

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	<b>Application. No.</b>	0826DEL1993	<b>Filing Date</b>	8/5/1993
	<b>Patent No.</b>	182309	<b>Grant Date</b>	9/24/1999
	<b>Country</b>	India	<b>Status</b>	LP/2001
<b>289.</b>	<b>Title</b>	A process for the preparation of 1-aryl-6-8- ROCHN- 9H-pyrido [3,4-b] indoles		
	<b>Inventor</b>	Pramod Kumar, Shiv Kumar Agarwal, Som Nath Singh, Amlendu Dutta, Puvvada Kalpana Murthy & Ranjit Kumar Chatterjee		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	0827DEL1993	<b>Filing Date</b>	8/5/1993
	<b>Patent No.</b>	182441	<b>Grant Date</b>	10/22/1999
	<b>Country</b>	India	<b>Status</b>	LP/2001
<b>290.</b>	<b>Title</b>	A process for the preparation of novel -4-(acetamidophenyl) -9H-pyrido [3,4-b] indoles		
	<b>Inventor</b>	Pramod Kumar, Shiv Kumar Agarwal, Som Nath Singh, Amlendu Dutta, Puvvada Kalpana Murthy & Ranjit Kumar Chatterjee		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	0828DEL1993	<b>Filing Date</b>	8/5/1993
	<b>Patent No.</b>	182310	<b>Grant Date</b>	9/24/1999
	<b>Country</b>	India	<b>Status</b>	LP/2001
<b>291.</b>	<b>Title</b>	A process for the preparation of 1-(N- carboethoxyamino phenyl) -9H- pyrido [3,4-b] indoles useful as filaricidal agents		
	<b>Inventor</b>	Pramod Kumar, Shiv Kumar Agarwal, Som Nath Singh, Amlendu Dutta, Puvvada Kalpana Murthy & Ranjit Kumar Chatterjee		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	0829DEL1993	<b>Filing Date</b>	8/5/1993
	<b>Patent No.</b>	182512	<b>Grant Date</b>	11/12/1999
	<b>Country</b>	India	<b>Status</b>	LP/2001
<b>292.</b>	<b>Title</b>	A process for the preparation of 1-(N-ethyl thiouredo phenyl) -9H- pyrido [3,4-b] indoles useful as filaricidal		
	<b>Inventor</b>	Pramod Kumar, Shiv Kumar Agarwal, Som Nath Singh, Amlendu Dutta, Puvvada Kalpana Murthy & Ranjit Kumar Chatterjee		

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- |                         |             |                    |            |
|-------------------------|-------------|--------------------|------------|
| <b>Institute</b>        | CDRI        |                    |            |
| <b>Application. No.</b> | 0830DEL1993 | <b>Filing Date</b> | 8/5/1993   |
| <b>Patent No.</b>       | 182442      | <b>Grant Date</b>  | 10/22/1999 |
| <b>Country</b>          | India       | <b>Status</b>      | LP/2001    |
- 293. Title**                    **A process for the synthesis of 3,4,b- trisubstituted-2H-pyran-2-ones having hepatoprotective activity**
- Inventor**                    **Vishnu Ji Ram, Sheo Kumar Singh, Falak Anwar Hussaini, Aboo Shoeb, Subhash Chandra Tripathi, Gyanendra Kumar Patnaik, Rikhab Chand Srimal, Amiya Prasad Bhaduri & Bhola Nath Dhawan**
- |                         |             |                    |            |
|-------------------------|-------------|--------------------|------------|
| <b>Institute</b>        | CDRI        |                    |            |
| <b>Application. No.</b> | 0909DEL1993 | <b>Filing Date</b> | 8/23/1993  |
| <b>Patent No.</b>       | 178259      | <b>Grant Date</b>  | 11/21/1997 |
| <b>Country</b>          | India       | <b>Status</b>      | LP/2001    |
- 294. Title**                    **An improved process for the preparation of 7-ethyloctahydro -2- methyl -6h-pyrazino [1,2-c] pyrimidine -6-one (Centperazine)**
- Inventor**                    **Devi Prasad Sahu, Kumaraswamy Kulangiappar, Sreela Sengupta , Chinta Mani Singh & Kolli Venkata Satyanarayan**
- |                         |             |                    |           |
|-------------------------|-------------|--------------------|-----------|
| <b>Institute</b>        | CDRI        |                    |           |
| <b>Application. No.</b> | 0995DEL1993 | <b>Filing Date</b> | 9/8/1993  |
| <b>Patent No.</b>       | 182326      | <b>Grant Date</b>  | 9/24/1999 |
| <b>Country</b>          | India       | <b>Status</b>      | LP/2000   |
- 295. Title**                    **A process for the synthesis of a novel substituted 1,3-dithiolan-2-ylidines**
- Inventor**                    **Vishnu Ji Ram,Navedul Haque & Aboo Shoeb**
- |                         |             |                    |            |
|-------------------------|-------------|--------------------|------------|
| <b>Institute</b>        | CDRI        |                    |            |
| <b>Application. No.</b> | 1166DEL1993 | <b>Filing Date</b> | 10/18/1993 |
| <b>Patent No.</b>       | 182356      | <b>Grant Date</b>  | 10/1/1999  |
| <b>Country</b>          | India       | <b>Status</b>      | LP/2001    |
- 296. Title**                    **A process for the synthesis of a novel substituted 1,3-dithian-2-ylidenes**
- Inventor**                    **Vishnu Ji Ram,Navedul Haque & Aboo Shoeb**
- |                         |             |                    |            |
|-------------------------|-------------|--------------------|------------|
| <b>Institute</b>        | CDRI        |                    |            |
| <b>Application. No.</b> | 1167DEL1993 | <b>Filing Date</b> | 10/18/1993 |

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<b>Patent No.</b>	179140	<b>Grant Date</b>	5/8/1998
<b>Country</b>	<b>India</b>	<b>Status</b>	LP/1999
<b>297. Title</b>	<b>A process for the making liposomes useful for administering materials such as drugs vaccines, cosmetic material through the pores of the skin</b>		
<b>Inventor</b>	<b>Vinod Bhakuni &amp; Manojee Mohan Dhar</b>		
<b>Institute</b>	CDRI		
<b>Application. No.</b>	0434DEL1994	<b>Filing Date</b>	4/13/1994
<b>Patent No.</b>	182517	<b>Grant Date</b>	11/12/1999
<b>Country</b>	<b>India</b>	<b>Status</b>	LP/2001
<b>298. Title</b>	<b>A process for the preparation of pure monospecific polyclonal antibodies to material lactate dehydrogenase (ldh) useful for diagnosis of malaria</b>		
<b>Inventor</b>	<b>Deep Chand Kaushal &amp; Nuzhat Anwar Kaushal &amp; Guru Prakash Dutta</b>		
<b>Institute</b>	CDRI		
<b>Application. No.</b>	0991DEL1994	<b>Filing Date</b>	8/4/1994
<b>Patent No.</b>	183939	<b>Grant Date</b>	11/24/2000
<b>Country</b>	<b>India</b>	<b>Status</b>	TO/2002
<b>299. Title</b>	<b>A process for the preparation dipstick useful for the diagnosis of malaria based on detection of plasmodial lactate dehydrogenase in blood samples</b>		
<b>Inventor</b>	<b>Deep Chand Kaushal &amp; Nuzhat Anwar Kaushal</b>		
<b>Institute</b>	CDRI		
<b>Application. No.</b>	0992DEL1994	<b>Filing Date</b>	8/4/1994
<b>Patent No.</b>	183289	<b>Grant Date</b>	5/12/2000
<b>Country</b>	<b>India</b>	<b>Status</b>	TO/2001
<b>300. Title</b>	<b>A process for the preparation of sepharose column containing antibodies to plasmodial lactate dehydrogenase</b>		
<b>Inventor</b>	<b>Deep Chand Kaushal &amp; Nuzhat Anwar Kaushal</b>		
<b>Institute</b>	CDRI		
<b>Application. No.</b>	0993DEL1994	<b>Filing Date</b>	8/4/1994
<b>Patent No.</b>	183290	<b>Grant Date</b>	5/12/2000
<b>Country</b>	<b>India</b>	<b>Status</b>	TO/2001*

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- 301. Title**                    **A process for the production of bifunctional cellulase having endogluconase and cellobiose activity**
- Inventor**                    **Ranjana Srivastava & Brahm Shankar Srivastava**
- Institute**                    **CDRI**
- Application. No.** 1363DEL1994    **Filing Date**    10/28/1994
- Patent No.**                    187232            **Grant Date**    9/27/2002
- Country**                    **India**            **Status**            LP/2006
- 
- 302. Title**                    **A process for the production of bifunctional cellobiose from E. coli**
- Inventor**                    **Ranjana Srivastava, Kishore Kumar Srivastava & Brahm Shankar Srivastava**
- Institute**                    **CDRI**
- Application. No.** 1365DEL1994    **Filing Date**    10/28/1994
- Patent No.**                    187959            **Grant Date**    3/7/2003
- Country**                    **India**            **Status**            LP/2006
- 
- 303. Title**                    **A process for making test paper for testing of iodized salts and test paper made thereby**
- Inventor**                    **Prem Prakash & Satyawan Singh**
- Institute**                    **CDRI**
- Application. No.** 0313DEL1995    **Filing Date**    2/24/1995
- Patent No.**                    191662            **Grant Date**    6/30/2004
- Country**                    **India**            **Status**            LP/05-05-2006
- 
- 304. Title**                    **A process for the preparation of sustained release tablet formulation of verapamil hydrochloride in tablet form**
- Inventor**                    **Anil Kumar Dwivedi, Deepa Kulkarni & Satyawan Singh**
- Institute**                    **CDRI**
- Application. No.** 0433DEL1995    **Filing Date**    3/14/1995
- Patent No.**                    183331            **Grant Date**    5/26/2000
- Country**                    **India**            **Status**            LP/2002
- 
- 305. Title**                    **A process for the synthesis of novel (3S) -2 substituted - 1,2,3,4-tetrahydro-9H-pyrido [3,4-b] -indole-3-carboxylic acids as potential anti-CCK agents**
- Inventor**                    **Ravish Chandra Tripathi, Anil Kumar Saxena & Ram Raghbir**
- Institute**                    **CDRI**
- Application. No.** 0437DEL1995    **Filing Date**    7/4/1995

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	<b>Patent No.</b>	192802	<b>Grant Date</b>	10/14/2005
	<b>Country</b>	India	<b>Status</b>	LP/05-05-2006
<b>306.</b>	<b>Title</b>	A process for the preparation of 2-[2'-dialkyl or heterocyclic amino methyl prop-2'-ene-1'one]-10-[2"-substituted acetyl] phenothiazines		
	<b>Inventor</b>	Nandoo Mal Khanna, Anil Kumar Dwivedi, Raghwendra Pal, Satyawan Singh, Bachu Srinivasulu Setty & Ved Prakash Kamboj		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	1615DEL1994	<b>Filing Date</b>	7/5/1995
	<b>Patent No.</b>	185660	<b>Grant Date</b>	9/28/2001
	<b>Country</b>	India	<b>Status</b>	TO/2002
<b>307.</b>	<b>Title</b>	A process for the synthesis of mixture of novel (1R,3S) and (1S,3S)-alkyl 1-substituted -1,2,3,4-tetrahydro-9H-pyrido [3,4-b] indole -3-carboxylates		
	<b>Inventor</b>	Mradula Saxena, Ravish Chandra Tripathi, Anil Kumar Saxena & Gyanendra Kumar Patnaik		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	0441DEL1995	<b>Filing Date</b>	7/5/1995
	<b>Patent No.</b>	183332	<b>Grant Date</b>	5/26/2000
	<b>Country</b>	India	<b>Status</b>	TO/2002
<b>308.</b>	<b>Title</b>	An improved process for the synthesis of 1-chloro-3- [2-oxo-pyrrolidine -1-yl) propane		
	<b>Inventor</b>	Neelima Sinha, Sanjay Jain, Anil Kumar Saxena & Nitya Anand		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	0495DEL1995	<b>Filing Date</b>	8/17/1995
	<b>Patent No.</b>	183334	<b>Grant Date</b>	5/26/2000
	<b>Country</b>	India	<b>Status</b>	TO/2002*
<b>309.</b>	<b>Title</b>	A process for the preparation of novel 1-[4-arylpiperazine-1-yl] -3-[2-oxo-pyrrolidin-1-yl] propanes		
	<b>Inventor</b>	Neelima Sinha, Sanjay Jain, Anil Kumar Saxena, Mangal Prasad Dubey & Gyanendra Kumar Patnaik		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	0496DEL1995	<b>Filing Date</b>	8/17/1995
	<b>Patent No.</b>	184765	<b>Grant Date</b>	4/20/2001

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Country	India	Status	TO/2002*
310.	<p><b>Title</b> A process for the preparation of 1-[4- substituted - arylpiperazin -1- yl] -3- [2-oxopyrrolidin -1-yl] propanes</p> <p><b>Inventor</b> Neelima Sinha, Sanjay Jain, Anil Kumar Saxena, Nitya Anand &amp; Gyanendra Kumar Patnaik</p> <p><b>Institute</b> CDRI</p> <p><b>Application. No.</b> 0501DEL1995      <b>Filing Date</b> 8/17/1995</p> <p><b>Patent No.</b> 183944                      <b>Grant Date</b> 11/24/2000</p> <p><b>Country</b> India                      <b>Status</b> TO/2002*</p>		
311.	<p><b>Title</b> A process for the synthesis of (3S)-methyl 2-substituted - 1,2,3,4 - tetrahydro - 9H-pyrido [3,4-b] indole-3- carboxylates</p> <p><b>Inventor</b> Ravish Chandra Tripathi, Anil Kumar Saxena &amp; Ram Raghbir</p> <p><b>Institute</b> CDRI</p> <p><b>Application. No.</b> 0502DEL1995      <b>Filing Date</b> 9/29/1995</p> <p><b>Patent No.</b> 184304                      <b>Grant Date</b> 2/9/2001</p> <p><b>Country</b> India                      <b>Status</b> TO/2002*</p>		
312.	<p><b>Title</b> A process for the preparation of an anti-hyperlipidimic composition</p> <p><b>Inventor</b> Ram Pratap, Ram Chandra Gupta, Narendra Kumar Kapoor, Ramesh Chander, Ashok Kumar Khanna, Asheem Ghatak, Omkar Prasad Asthana, Swarn Nityanand, Sukh Dev &amp; Nitya Anand</p> <p><b>Institute</b> CDRI</p> <p><b>Application. No.</b> 2302DEL1995      <b>Filing Date</b> 12/13/1995</p> <p><b>Patent No.</b> 193304                      <b>Grant Date</b> 12/16/2005</p> <p><b>Country</b> India                      <b>Status</b> IF/2008</p>		
313.	<p><b>Title</b> A process for the preparation of cardanolides</p> <p><b>Inventor</b> Ranjeet Kumar Chatterjee, Bhola Nath Dhawan, Anil Kumar Dwivedi, Nigar Fatma, D K Kulshreshtha, B N Mehrotra, Gyanendra Kumar Patnaik, Puvvada Kalpana Murthy, Raghwendra Pal, Subha Rastogi, N K Sharma, A K Shaw &amp; Satyawan Singh</p> <p><b>Institute</b> CDRI</p> <p><b>Application. No.</b> 2464DEL1995      <b>Filing Date</b> 12/29/1995</p>		

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<b>Patent No.</b>	184010	<b>Grant Date</b>	12/8/2000
<b>Country</b>	India	<b>Status</b>	TO/2002*
<b>314. Title</b>	<b>A process for the extraction of a glycoside fraction from the plant Streblus as per mainly containing cardanolide</b>		
<b>Inventor</b>	<b>Ranjeet Kumar Chatterjee, Bhola Nath Dhawan, Anil Kumar Dwivedi, Nigar Fatma, D K Kulshreshtha, B N Mehrotra, Gynendra Kumar Patnaik, Puvvada Kalpana Murthy, Raghwendra Pal, Subha Rastogi, N K Sharma, A K Shaw &amp; Satyawan Singh</b>		
<b>Institute</b>	CDRI		
<b>Application. No.</b>	2471DEL1995	<b>Filing Date</b>	12/29/1995
<b>Patent No.</b>	184894	<b>Grant Date</b>	5/18/2001
<b>Country</b>	India	<b>Status</b>	TO/2002*
<b>315. Title</b>	<b>A process for the preparation of sustained release formulation of 7-methoxy deoxy vasicinone</b>		
<b>Inventor</b>	<b>Deepa Kulkarni, Anil Kumar Dwivedi &amp; Satyawan Singh</b>		
<b>Institute</b>	CDRI		
<b>Application. No.</b>	0658DEL1996	<b>Filing Date</b>	3/27/1996
<b>Patent No.</b>	184641	<b>Grant Date</b>	4/4/2001
<b>Country</b>	India	<b>Status</b>	TO/2003*
<b>316. Title</b>	<b>A process for the synthesis of 1-(4-arylpiperazine-1-yl) -3-(2-oxopyrrolidin-1-yl) propanes</b>		
<b>Inventor</b>	<b>Neelima Sinha, Sanjay Jain, Anil Kumar Saxena, Mradula Saxena, Mangal Prasad Dubey &amp; Gynendra Kumar Patnaik</b>		
<b>Institute</b>	CDRI		
<b>Application. No.</b>	0692DEL1996	<b>Filing Date</b>	3/29/1996
<b>Patent No.</b>	184644	<b>Grant Date</b>	4/4/2001
<b>Country</b>	India	<b>Status</b>	TO/2003*
<b>317. Title</b>	<b>A process for the synthesis of a nano peptide (L-pyrazo glutamyl -L-histidinyl -L- tryptophan -L- tryprophanyl -L-serinyl -L- tyrosyl -D- arginyl -L- tryptophanyl-L-leusinyl -L- prolyl-N- ethylamide as spawning agent</b>		
<b>Inventor</b>	<b>Bijoy Kundu &amp; Girish Kumar Jain</b>		
<b>Institute</b>	CDRI		
<b>Application. No.</b>	0697DEL1996	<b>Filing Date</b>	3/29/1996

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<b>Patent No.</b>	185296	<b>Grant Date</b>	7/20/2001
<b>Country</b>	India	<b>Status</b>	TO/2003*
<b>318. Title</b>	<b>A process for the preparation of water soluble novel pharmaceutical composition</b>		
<b>Inventor</b>	<b>Anil Kumar Dwivedi, Raghwendra Pal, Satyawan Singh, Bachu Srinivasulu Setty, Ved Prakash Kamboj &amp; Nandoo Mal Khanna</b>		
<b>Institute</b>	CDRI		
<b>Application. No.</b>	1027DEL1996	<b>Filing Date</b>	5/16/1996
<b>Patent No.</b>	184896	<b>Grant Date</b>	5/18/2001
<b>Country</b>	India	<b>Status</b>	TO/2003
<b>319. Title</b>	<b>A process for the preparation of 3-dialkyl or hetrocyclic amino-1-[2' or 3' or 4'' 2-dialkyl or heterocyclic amino methyl 3 -propen-1 one/phenoxy prpan-2-ols useful as contraceptives</b>		
<b>Inventor</b>	<b>Nandoo Mal Khanna, Ranjana Chabra, Anil Kumar Dwivedi, Raghwendra Pal, Satyawan Singh, B S Shetty &amp; Ved Prakash Kamboj</b>		
<b>Institute</b>	CDRI		
<b>Application. No.</b>	0162DEL1996	<b>Filing Date</b>	7/11/1996
<b>Patent No.</b>	187235	<b>Grant Date</b>	9/27/2002
<b>Country</b>	India	<b>Status</b>	LP/2006
<b>320. Title</b>	<b>A process for the preparation of L-alanyl - glycyL-L-serinyl -L- aspartyl - glycyL-L-lysyl derivatives having anti asthamatic / anti allergic activity</b>		
<b>Inventor</b>	<b>Bijoy Kundu, M Shukla, Amarnath, Prem Prakash Gupta &amp; Gyanendra Kumar Patnaik</b>		
<b>Institute</b>	CDRI		
<b>Application. No.</b>	1245DEL1995	<b>Filing Date</b>	10/4/1996
<b>Patent No.</b>	184954	<b>Grant Date</b>	5/25/2001
<b>Country</b>	India	<b>Status</b>	LP/2006
<b>321. Title</b>	<b>A process for the synthesis of N- substituted amides of L-tyrosyl-D- alanyl -L- phenylalanyl- glycyL-L-tyrosyl -L-prolyl-L- serine</b>		

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### Patents Filed/ Granted

<b>Inventor</b>	<b>Tabassum Naqbi, V C Dhawan, Wahajul Haq, Ram Raghbir, Gyanenda Kumar Patnaik &amp; Bhola Nath Dhawan</b>		
<b>Institute</b>	CDRI		
<b>Application. No.</b>	1360DEL1995	<b>Filing Date</b>	10/18/1996
<b>Patent No.</b>	184768	<b>Grant Date</b>	4/20/2001
<b>Country</b>	India	<b>Status</b>	LP/2002
322.	<b>Title</b>	<b>A process for the synthesis of N- substituted aralkyl amides of 1-tyrosyl -D- alanyl-1-N- methyl phenylalanyl - glycine</b>	
	<b>Inventor</b>	<b>Tabassum Naqbi, Vikas Chandra, Wahajul Haq, Ram Raghbir, Gynendra Kumar Patnaik &amp; Bhola Nath Dhawan</b>	
	<b>Institute</b>	CDRI	
	<b>Application. No.</b>	<b>Filing Date</b>	10/18/1996
	<b>Patent No.</b>	<b>Grant Date</b>	5/25/2001
	<b>Country</b>	<b>Status</b>	LP/2002
323.	<b>Title</b>	<b>A process for the synthesis of N- acetyl - normuramyl - NE- fatty acyl-L-lysyl isoglutamine</b>	
	<b>Inventor</b>	<b>Shaheena Yasmeen Rizvi, Bijoy Kundu, Wahajul Haq, Anju Puri, Ram Prakash Saxena, Krishna Chandra Saxena &amp; Krishna Bihari Mathur</b>	
	<b>Institute</b>	CDRI	
	<b>Application. No.</b>	<b>Filing Date</b>	10/18/1996
	<b>Patent No.</b>	<b>Grant Date</b>	3/23/2001
	<b>Country</b>	<b>Status</b>	LP/2006
324.	<b>Title</b>	<b>A process for the synthesis of N <math>\alpha</math>-glycyl -NE- (L-N- methylalanyl-D- isoglutaminy) -L- lysyl-N- alkylamides possessing high immunostimulant activity</b>	
	<b>Inventor</b>	<b>Shaheena Yasmeen Rizvi, Bijoy Kundu, Wahajul Haq, Anju Puri, R Shukla, Ram Prakash Saxena, Aruna Kapil, Krishna Chandra Saxena &amp; Krishna Bihari Mathur</b>	
	<b>Institute</b>	CDRI	
	<b>Application. No.</b>	<b>Filing Date</b>	10/18/1996
	<b>Patent No.</b>	<b>Grant Date</b>	4/20/2001
	<b>Country</b>	<b>Status</b>	LP/05-05-2006

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### Patents Filed/ Granted

- 325. Title** An improved process for the preparation of 1-aryl or alkyl  
-4- substituted aminomethyl penta-1,4- dien-3- ones as  
spermicidal and anti - HIV agents
- Inventor** Nandoo Mal Khanna, Anil Kumar Dwivedi, Raghwendra  
Pal, Satyawan Singh, Bachu Srinivasulu Setty & Ved  
Prakash Kamboj
- Institute** CDRI
- Application. No.** 2629DEL1996      **Filing Date** 11/29/1996
- Patent No.** 186313      **Grant Date**
- Country** India      **Status** PP/AC
- 
- 326. Title** A process for the preparation of stable oral formulation of  
enkephalin analogues
- Inventor** Anil Kumar Dwivedi, Madhu Khanna, Wahajul Haq, Ram  
Raghubir & Satyawan Singh
- Institute** CDRI
- Application. No.** 2641DEL1996      **Filing Date** 11/29/1996
- Patent No.** 185077      **Grant Date** 6/15/2001
- Country** India      **Status** IF/2008
- 
- 327. Title** An improved process for the preparation of a - substituted  
fused piperazines
- Inventor** Sheela Sengupta, Devi Prasad Sahu & S K Chatterjee
- Institute** CDRI
- Application. No.** 2644DEL1996      **Filing Date** 11/29/1996
- Patent No.** 184810      **Grant Date** 4/27/2001
- Country** India      **Status** LP/05-05-2006
- 
- 328. Title** A process for the preparation of substituted thiophenes  
useful as antimycotic agents
- Inventor** Vishnu Ji Ram, A Goel & Praveen Kumar Shukla
- Institute** CDRI
- Application. No.** 2955DEL1996      **Filing Date** 12/27/1996
- Patent No.** 186077      **Grant Date** 1/18/2002
- Country** India      **Status** LP/2006
- 
- 329. Title** A process for the systhesis of 1,3 - dithian -2- ylidenes  
useful as antimycotic agents
- Inventor** Vishnu Ji Ram, M Nath & Praveen Kumar Shukla
- Institute** CDRI

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### Patents Filed/ Granted

- |             |                         |  |                    |            |
|-------------|-------------------------|--|--------------------|------------|
|             | <b>Application. No.</b> | 2957DEL1996  | <b>Filing Date</b> | 12/27/1996 |
|             | <b>Patent No.</b>       | 185788   | <b>Grant Date</b>  | 11/23/2001 |
|             | <b>Country</b>          | India  | <b>Status</b>      | LP/2006    |
| <b>330.</b> | <b>Title</b>            | <b>A process for the extraction of a formulations mainly containing bacosides</b>  |                    |            |
|             | <b>Inventor</b>         | <b>Geetika Bhatia, Bhola Nath Dhawan, Ved Prakash Kamboj, D K Kulshreshtha, B N Mehrotra, Raghwendra Pal, Gyanendra Kumar Patnaik, Subha Rastogi, N Savita Srivastava, Chinta Mani Singh, Hemant Kumar Singh, Satyawan Singh &amp; G Shanker</b> |                    |            |
|             | <b>Institute</b>        | CDRI   |                    |            |
|             | <b>Application. No.</b> | 2961DEL1996  | <b>Filing Date</b> | 12/27/1996 |
|             | <b>Patent No.</b>       | 185078   | <b>Grant Date</b>  | 6/15/2001  |
|             | <b>Country</b>          | India  | <b>Status</b>      | IF/2008    |
| <b>331.</b> | <b>Title</b>            | <b>A process for the preparation of 11<math>\beta</math>- [4-(N,N-dimethylamino) phenyl]- 17<math>\beta</math> hydroxy -17- (3- methyl -1-butynyl) estra -4,9- dien-3-one</b>  |                    |            |
|             | <b>Inventor</b>         | <b>Braj Gopal Hazara, Vandana Sudhir Pore, Padmakar Laxman Joshi, Sourav Basu, Jyotsana Singh and Anila Dwivedi</b>  |                    |            |
|             | <b>Institute</b>        | NCL+CDRI   |                    |            |
|             | <b>Application. No.</b> | 2964DEL1996  | <b>Filing Date</b> | 12/27/1996 |
|             | <b>Patent No.</b>       | 185080   | <b>Grant Date</b>  | 6/15/2001  |
|             | <b>Country</b>          | India  | <b>Status</b>      | IF/2008    |
| <b>332.</b> | <b>Title</b>            | <b>An improved process for the preparation of ether derivatives of dihydroartemisinin</b>  |                    |            |
|             | <b>Inventor</b>         | <b>Chandan Singh &amp; Rani Kanchan</b>  |                    |            |
|             | <b>Institute</b>        | CDRI   |                    |            |
|             | <b>Application. No.</b> | 1258DEL1997  | <b>Filing Date</b> | 5/13/1997  |
|             | <b>Patent No.</b>       | 186127   | <b>Grant Date</b>  | 1/25/2002  |
|             | <b>Country</b>          | India  | <b>Status</b>      | IF/2008    |
| <b>333.</b> | <b>Title</b>            | <b>A process for the preparation of 4-alkyl-7-O [N,N-di (mono) substituted acetamide-2- yl] 2h-1- benzopyran - 2 ones</b>  |                    |            |

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### Patents Filed/ Granted

- |                         |  |                    |               |
|-------------------------|--|--------------------|---------------|
| <b>Inventor</b>         | <b>Rama Pati Tripathi, Abdul Rehman Khan, Som Nath Singh , Puvvada Kalpana Murthy, Ranjeet Kumar Chatterjee &amp; Amiya Prasad Bhaduri</b> |                    |               |
| <b>Institute</b>        | CDRI   |                    |               |
| <b>Application. No.</b> | 1265DEL1997  | <b>Filing Date</b> | 5/13/1997     |
| <b>Patent No.</b>       | 185762   | <b>Grant Date</b>  | 11/16/2001    |
| <b>Country</b>          | India  | <b>Status</b>      | LP/05-05-2006 |
- 334. Title**                    **A process for the preparation of transdermal composition containing modified liposome and physiologically active materials such as drugs, vaccines and cosmetics**
- |                         |   |                    |           |
|-------------------------|---|--------------------|-----------|
| <b>Inventor</b>         | <b>Vinod Bhakuni &amp; Manojee Mohan Dhar</b> |                    |           |
| <b>Institute</b>        | CDRI  |                    |           |
| <b>Application. No.</b> | 1720DEL1997                                   | <b>Filing Date</b> | 6/24/1997 |
| <b>Patent No.</b>       | 187032  | <b>Grant Date</b>  | 8/16/2002 |
| <b>Country</b>          | India   | <b>Status</b>      | LP/2006   |
- 335. Title**                    **A process for the preparation of polypeptide useful as antiallergic, antiasthmatic and anticomplementary agent**
- |                         |   |                    |           |
|-------------------------|---|--------------------|-----------|
| <b>Inventor</b>         | <b>Kundu Bijoy, Khare Sanjay Kumar, Singh Rashmi, Nath Amar, Gupta Prem Prakash, Agarwal Kamlesh Chandra, Dwivedi Anil Kumar &amp; Singh Satyawan</b> |                    |           |
| <b>Institute</b>        | CDRI  |                    |           |
| <b>Application. No.</b> | 2792DEL1997   | <b>Filing Date</b> | 9/30/1997 |
| <b>Patent No.</b>       | 186735  | <b>Grant Date</b>  | 6/7/2002  |
| <b>Country</b>          | India   | <b>Status</b>      | IF/2008   |
- 336. Title**                    **1-(4-Arylpiperazine-1-yl)-3-(2-oxopyrrolidin/piperidin-1-yl) propanes and their use in medical treatments**
- |                         |   |                    |            |
|-------------------------|---|--------------------|------------|
| <b>Inventor</b>         | <b>Neelima Sinha, Sanjay Jain, Anil Kumar Saxena, Nitya Anand, Ram Mohan Saxena, Mangal Prasad Dubey, (Late) Gyanendra Kumar Patnaik &amp; Madhur Ray</b> |                    |            |
| <b>Institute</b>        | CDRI  |                    |            |
| <b>Application. No.</b> | 08/954516   | <b>Filing Date</b> | 10/20/1997 |
| <b>Patent No.</b>       | 6150367   | <b>Grant Date</b>  | 11/21/2000 |
| <b>Country</b>          | United States   | <b>Status</b>      | IF         |
- 337. Title**                    **A process for the synthesis of 1-(4-arylpiperazine-1-yl) -3-(2-oxopyrrolidin-1-yl) propanes**

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<b>Inventor</b>	<b>Neelima Sinha, Sanjay Jain, Anil Kumar Saxena, Nitya Anand, Ram Mohan Saxena, Mangal Prasad Dubey, (Late) Gyanendra Kumar Patnaik &amp; Madhur Ray</b>		
<b>Institute</b>	CDRI		
<b>Application. No.</b>	97308381.9	<b>Filing Date</b>	10/22/1997
<b>Patent No.</b>	0913397	<b>Grant Date</b>	7/5/2006
<b>Country</b>	Germany	<b>Status</b>	IF
<b>338. Title</b>	<b>Methods for preparing 1-[4-arylpiperazine-1-yl]-3-[2-oxopyrrolidin/piperidin-1-yl]propanes</b>		
<b>Inventor</b>	<b>Neelima Sinha, Sanjay Jain, Anil Kumar Saxena, Nitya Anand, Ram Mohan Saxena, Mangal Prasad Dubey, (Late) Gyanendra Kumar Patnaik &amp; Madhur Ray</b>		
<b>Institute</b>	CDRI		
<b>Application. No.</b>	97308391.8	<b>Filing Date</b>	10/22/1997
<b>Patent No.</b>	0911330	<b>Grant Date</b>	12/12/2007
<b>Country</b>	Europe	<b>Status</b>	PP
<b>339. Title</b>	<b>A proces for the synthesis of 1-(4-Arylpiperazine-1-y1)-3-(2-oxopyrrolidin/piperidin-1-yl)propanes as therapeutic agents for hypertension, ischemia, cardiovascular and other adrenergic receptors related disorders</b>		
<b>Inventor</b>	<b>Neelima Sinha, Sanjay Jain, Anil Kumar Saxena, Nitya Anand, Ram Mohan Saxena, Mangal Prasad Dubey, (Late) Gyanendra Kumar Patnaik &amp; Madhur Ray</b>		
<b>Institute</b>	CDRI		
<b>Application. No.</b>	97308381.9	<b>Filing Date</b>	10/22/1997
<b>Patent No.</b>	0913397	<b>Grant Date</b>	3/21/2006
<b>Country</b>	Europe	<b>Status</b>	PP
<b>340. Title</b>	<b>Methods for preparing 1-[4-arylpiperazine-1-yl]-3-[2-oxopyrrolidin/piperidin-1-yl]propanes</b>		
<b>Inventor</b>	<b>Neelima Sinha, Sanjay Jain, Anil Kumar Saxena, Nitya Anand, Ram Mohan Saxena, Mangal Prasad Dubey, (Late) Gyanendra Kumar Patnaik &amp; Madhur Ray</b>		
<b>Institute</b>	CDRI		
<b>Application. No.</b>	4278997	<b>Filing Date</b>	10/22/1997
<b>Patent No.</b>	762684	<b>Grant Date</b>	10/16/2003
<b>Country</b>	Australia	<b>Status</b>	IF

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### Patents Filed/ Granted

- 341. Title**                    **Methods for preparing 1-[4-arylpiperazine-1-yl]-3-[2-oxopyrrolidin/piperidin-1-yl]propanes**
- Inventor**                    **Neelima Sinha, Sanjay Jain, Anil Kumar Saxena, Nitya Anand, Ram Mohan Saxena, Mangal Prasad Dubey, (Late) Gyanendra Kumar Patnaik & Madhur Ray**
- Institute**                    **CDRI**
- Application. No.** 4284497                    **Filing Date** 10/23/1997
- Patent No.** 755526                    **Grant Date** 4/17/2003
- Country**                    **Australia**                    **Status**                    **IF**
- 
- 342. Title**                    **A process for the preparation of chiral 2,3- substituted propyloxy substituted -2,2- dialkyl -3,4- diaryl chromenes and their salts**
- Inventor**                    **Sachi Tripathi, Indra Dwivedy, Man Mohan Singh & Suprabhat Ray**
- Institute**                    **CDRI**
- Application. No.** 3073DEL1997                    **Filing Date** 10/24/1997
- Patent No.** 186540                    **Grant Date** 4/19/2002
- Country**                    **India**                    **Status**                    **LP/2006**
- 
- 343. Title**                    **An improved process for the preparation of polypeptide**
- Inventor**                    **Alka Srivastava, Ruchi Tandon, Shadab Siddiqui, Wahajul Haq & Manojeeet Mohan Dhar**
- Institute**                    **CDRI**
- Application. No.** 3069DEL1997                    **Filing Date** 10/24/1997
- Patent No.** 187036                    **Grant Date** 8/16/2002
- Country**                    **India**                    **Status**                    **LP/05-05-2006**
- 
- 344. Title**                    **A process for the preparation of chiral 2,3- substituted propyloxy substituted -2,2- dialkyl -3,4- diaryl chromans and their salts**
- Inventor**                    **Sachi Tripathi, Indra Dwivedy, Man Mohan Singh & Suprabhat Ray**
- Institute**                    **CDRI**
- Application. No.** 3072DEL1997                    **Filing Date** 10/24/1997
- Patent No.** 186459                    **Grant Date** 4/5/2002
- Country**                    **India**                    **Status**                    **LP/2006**
- 
- 345. Title**                    **Methods for preparing 1-[4-arylpiperazine-1-yl]-3-[2-oxopyrrolidin/piperidin-1-yl]propanes**

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### Patents Filed/ Granted

- |                         |   |                    |            |
|-------------------------|---|--------------------|------------|
| <b>Inventor</b>         | <b>Neelima Sinha, Sanjay Jain, Anil Kumar Saxena, Nitya Anand, Ram Mohan Saxena, Mangal Prasad Dubey, (Late) Gyanendra Kumar Patnaik &amp; Madhur Ray</b> |                    |            |
| <b>Institute</b>        | CDRI  |                    |            |
| <b>Application. No.</b> | 08/960335   | <b>Filing Date</b> | 10/29/1997 |
| <b>Patent No.</b>       | 6084097   | <b>Grant Date</b>  | 7/4/2000   |
| <b>Country</b>          | United States   | <b>Status</b>      | IF         |
|                         |   |                    |            |
| <b>346. Title</b>       | <b>Methods for preparing 1-[4-arylpiperazine-1-yl]-3-[2-oxopyrrolidin/piperidin-1-yl]propanes</b>   |                    |            |
| <b>Inventor</b>         | <b>Neelima Sinha, Sanjay Jain, Anil Kumar Saxena, Nitya Anand, Ram Mohan Saxena, Mangal Prasad Dubey, (Late) Gyanendra Kumar Patnaik &amp; Madhur Ray</b> |                    |            |
| <b>Institute</b>        | CDRI  |                    |            |
| <b>Application. No.</b> | H9-307486   | <b>Filing Date</b> | 11/10/1997 |
| <b>Patent No.</b>       | 3204936   | <b>Grant Date</b>  | 5/15/2001  |
| <b>Country</b>          | Japan   | <b>Status</b>      | IF         |
|                         |   |                    |            |
| <b>347. Title</b>       | <b>Methods for preparing 1-[4-arylpiperazine-1-yl]-3-[2-oxopyrrolidin/piperidin-1-yl]propanes</b>   |                    |            |
| <b>Inventor</b>         | <b>Neelima Sinha, Sanjay Jain, Anil Kumar Saxena, Nitya Anand, Ram Mohan Saxena, Mangal Prasad Dubey, (Late) Gyanendra Kumar Patnaik &amp; Madhur Ray</b> |                    |            |
| <b>Institute</b>        | CDRI  |                    |            |
| <b>Application. No.</b> | H9-307485   | <b>Filing Date</b> | 11/10/1997 |
| <b>Patent No.</b>       | 3204935   | <b>Grant Date</b>  | 5/15/2001  |
| <b>Country</b>          | Japan   | <b>Status</b>      | IF         |
|                         |   |                    |            |
| <b>348. Title</b>       | <b>A process for the preparation of stable antigen useful for early diagnosis of visceral leishmaniasis</b>   |                    |            |
| <b>Inventor</b>         | <b>Girish Kumar Jain, Suman Tiwari, Suman Gupta &amp; Jagdish Chanda Katiyar</b>  |                    |            |
| <b>Institute</b>        | CDRI  |                    |            |
| <b>Application. No.</b> | 3518DEL1997   | <b>Filing Date</b> | 12/8/1997  |
| <b>Patent No.</b>       | 187039  | <b>Grant Date</b>  | 8/16/2002  |
| <b>Country</b>          | India   | <b>Status</b>      | LP/2006    |
|                         |   |                    |            |
| <b>349. Title</b>       | <b>Mycobacterium tuberculosis specific DNA fragment (probe)</b>   |                    |            |
| <b>Inventor</b>         | <b>R Srivastava, D Kumar &amp; Brahm Shankar Srivastava</b>   |                    |            |

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	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	08/997897	<b>Filing Date</b>	12/24/1997
	<b>Patent No.</b>	6114514	<b>Grant Date</b>	9/5/2000
	<b>Country</b>	United States	<b>Status</b>	IF
<b>350.</b>	<b>Title</b>	<b>A process for the preparation of tertiary amino alkoxy derivatives of substituted diaryl naphthalene and their salt useful as fertility regulating agents</b>		
	<b>Inventor</b>	<b>Arvinder Grover, Neeta Srivastava, Man Mohan Singh &amp; Suprabhat Ray</b>		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	0230DEL1998	<b>Filing Date</b>	1/28/1998
	<b>Patent No.</b>	187177	<b>Grant Date</b>	9/13/2002
	<b>Country</b>	India	<b>Status</b>	LP/2006
<b>351.</b>	<b>Title</b>	<b>Synthesis of diaryl tetrahydro naphthyl methane derivatives</b>		
	<b>Inventor</b>	<b>Neeta Srivastava, Man Mohan Singh &amp; Suprabhat Ray</b>		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	0231DEL1998	<b>Filing Date</b>	1/28/1998
	<b>Patent No.</b>	186979	<b>Grant Date</b>	8/2/2002
	<b>Country</b>	India	<b>Status</b>	LP/2006
<b>352.</b>	<b>Title</b>	<b>Synthesis of secondary amino alkoxy derivatives of substituted diaryl 1,2,3,4- tetrahydro naphthyl methane</b>		
	<b>Inventor</b>	<b>Neeta Srivastava, Man Mohan Singh &amp; Suprabhat Ray</b>		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	0232DEL1998	<b>Filing Date</b>	1/28/1998
	<b>Patent No.</b>	242166	<b>Grant Date</b>	8/17/2010
	<b>Country</b>	India	<b>Status</b>	PP/AC
<b>353.</b>	<b>Title</b>	<b>A process for the preparation of tertiary amino alkoxy derivatives of substituted diaryl 1,2,3,4- tetrahydro naphthyl methane and their salts</b>		
	<b>Inventor</b>	<b>Neeta Srivastava, Man Mohan Singh &amp; Suprabhat Ray</b>		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	0234DEL1998	<b>Filing Date</b>	1/28/1998
	<b>Patent No.</b>	186897	<b>Grant Date</b>	7/19/2002
	<b>Country</b>	India	<b>Status</b>	LP/2006

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### Patents Filed/ Granted

- 354. Title**                    **A process for preparation of tertiary amino alkoxy derivatives of substituted diaryl - 5,6,7,8- tetrahydro naphthyl methane and their anionic salts**
- Inventor**                    **Neeta Srivastava, Man Mohan Singh & Suprabhat Ray**
- Institute**                    **CDRI**
- Application. No.** 0235DEL1998    **Filing Date**    1/28/1998
- Patent No.**                187178            **Grant Date**    9/13/2002
- Country**                    **India**            **Status**            LP/2006
- 
- 355. Title**                    **A process for the synthesis of secondary amino alkoxy derivatives of substituted diaryl naphthyl methane useful as fertility regulating agents**
- Inventor**                    **Arvinder Grover, Neeta Srivastava, Janak Dulari Dhar & Suprabhat Ray**
- Institute**                    **CDRI**
- Application. No.** 0236DEL1998    **Filing Date**    1/28/1998
- Patent No.**                187179            **Grant Date**    9/13/2002
- Country**                    **India**            **Status**            LP/05-05-2006
- 
- 356. Title**                    **A process for the preparation of diaryl naphthyl methane derivatives**
- Inventor**                    **Arvinder Grover, Neeta Srivastava, Man Mohan Singh & Suprabhat Ray**
- Institute**                    **CDRI**
- Application. No.** 0237DEL1998    **Filing Date**    1/28/1998
- Patent No.**                187180            **Grant Date**    9/13/2002
- Country**                    **India**            **Status**            LP/2006
- 
- 357. Title**                    **A process for the preparation of 4-(3-dialkylamino/ heteroxydic amino prop -2- ene, 1-one) 1-O-(herocyclic amino alkyl/ dialkyl amino) -alkyl-phenes and their salts useful as potential vaginal contraceptive agents**
- Inventor**                    **Anil Kumar Dwivedi, Niharika Kumaria, Raghwendra Pal, Gopal Gupta, Jagdamba Prasad Maikhuri, Janak Dulari Dhar, Satyawan Singh & Ved Prakash Kamboj**
- Institute**                    **CDRI**
- Application. No.** 0379DEL1998    **Filing Date**    2/13/1998
- Patent No.**                186730            **Grant Date**    5/31/2002
- Country**                    **India**            **Status**            LP/05-05-2006

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### Patents Filed/ Granted

- 358. Title**                    **A process for the preparation of an improved transdermal tape/patch for the administration of enkephaline peptides useful as analgesic**
- Inventor**                    **Anil Kumar Dwivedi, Madhu Khanna, Ram Raghubir & Satyawan Singh**
- Institute**                    **CDRI**
- Application. No.** 0502DEL1998    **Filing Date**    2/26/1998
- Patent No.**                    187991            **Grant Date**    3/13/2003
- Country**                    **India**            **Status**            IF/2008
- 
- 359. Title**                    **A process for preparation of 4-(3-dialkylamino/ hetrocyclic amino prop-2- ene, 1-one)thymols and their salts useful as potential vaginal contraceptive agents**
- Inventor**                    **Anil Kumar Dwivedi, Niharika Kumaria, Raghwendra Pal, Gopal Gupta, Jagdamba Prasad Maikhuri, Janak Dulari Dhar, Satyawan Singh & Ved Prakash Kamboj**
- Institute**                    **CDRI**
- Application. No.** 0504DEL1998    **Filing Date**    2/26/1998
- Patent No.**                    188005            **Grant Date**    3/28/2003
- Country**                    **India**            **Status**            LP/2006
- 
- 360. Title**                    **A process for the preparation of a formulation useful as antiamoebic agent**
- Inventor**                    **Seturam Bandhacharya Katti, Anil Kumar, Anil Kumar Dwivedi, Madhu Khanna, Satyawan Singh, Sheela Ghoshal, A P Singh & B N K Prasad**
- Institute**                    **CDRI**
- Application. No.** 0509DEL1998    **Filing Date**    2/26/1998
- Patent No.**                    186899            **Grant Date**    7/19/2002
- Country**                    **India**            **Status**            LP/2006
- 
- 361. Title**                    **A process for the preparation of a novel synthetic peptide epitope useful for diagnosis of aspergillosis**
- Inventor**                    **P U Sarma, Taruna Madan, Seturam Bandhacharya Katti, Wahajul Haq & Priyanka Priyadarsiny**
- Institute**                    **IGIB+CDRI**
- Application. No.** 0746DEL1998    **Filing Date**    3/24/1998
- Patent No.**                    189314            **Grant Date**    1/23/2004
- Country**                    **India**            **Status**            IF/2009

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### Patents Filed/ Granted

- 362. Title**                    **A process for the synthesis of L-histidinyl -L- tryptophanyl -D,L-tryptophanyl -D- phenylalanyl-L-lysiny amide useful as therapeutic agents**
- Inventor**                    **Bijoy Kundu, Geeta Singh, Alka Tripathi, Girish Kumar Jain & Ram Raghbir**
- Institute**                    **CDRI**
- Application. No.** 0747DEL1998      **Filing Date**    3/24/1998
- Patent No.**                    188179                    **Grant Date**    4/25/2003
- Country**                    **India**                    **Status**            LP/2006
- 
- 363. Title**                    **A process for the preparation of a novel synthetic peptide epitope useful for diagnosis of aspergillosis**
- Inventor**                    **P U Sarma, Taruna Madan, Seturam Bandhacharya Katti, Wahajul Haq & Priyanka Priyadarsiny**
- Institute**                    **IGIB+CDRI**
- Application. No.** 0751DEL1998      **Filing Date**    3/24/1998
- Patent No.**                    188957                    **Grant Date**    9/19/2003
- Country**                    **India**                    **Status**            IF/2009
- 
- 364. Title**                    **A process for the preparation of a novel synthetic peptide epitope useful for diagnosis of aspergillosis**
- Inventor**                    **P U Sarma, Taruna Madan, Seturam Bandhacharya Katti, Wahajul Haq & Priyanka Priyadarsiny**
- Institute**                    **IGIB+CDRI**
- Application. No.** 0752DEL1998      **Filing Date**    3/24/1998
- Patent No.**                    189176                    **Grant Date**    10/10/2003
- Country**                    **India**                    **Status**            IF/2009
- 
- 365. Title**                    **Mycobacterium tuberculosis specific DNA fragment (probe)**
- Inventor**                    **R Srivastava, D Kumar & Brahm Shankar Srivastava**
- Institute**                    **CDRI**
- Application. No.** 98302287.2            **Filing Date**    3/25/1998
- Patent No.**                    945462                    **Grant Date**    9/29/1999
- Country**                    **Europe**                    **Status**            IF
- 
- 366. Title**                    **Mycobacterium tuberculosis specific DNA fragment**
- Inventor**                    **R Srivastava, D Kumar & Brahm Shankar Srivastava**
- Institute**                    **CDRI**

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### Patents Filed/ Granted

Application. No.	09/156836	Filing Date	8/19/1998
Patent No.	6242585	Grant Date	6/5/2001
Country	United States	Status	IF
367. Title	A process for the simultaneous preparation of 3-(2-morpholin-4-yl) ethyl amino-1-aryl -hex-2-ene-1-one-6 hydroxy and 2-(1-(2-morpholin-4-yl) ethyl)- pyrrolidin -2-yl) -1- aryl -1-oxo-ethylidene useful as therapeutic agents		
Inventor	Savita Srivastava, Sanjay Batra, Amiya Prasad Bhaduri, Kavita Singh, Ashok kumar Khanna, Ramesh Chander, Nidhi Srivastava, Arti Shukla, Deepak Raina, Savita Srivastava, Ravi Rastogi, Arvind Kumar Srivastava, Mangal Prasad Dubey, Girish Kumar Jain, Pratim		
Institute	CDRI		
Application. No.	2711DEL1998	Filing Date	9/11/1998
Patent No.	190787	Grant Date	3/16/2004
Country	India	Status	LP/2006
368. Title	A process for the preparation of 1-aryl-3-substituted amino hex-2-ene-1-ones-6-hydroxy useful as therapeutic agents		
Inventor	Savita Srivastava, Sanjay Batra, Amiya Prasad Bhaduri, Kavita Singh, Ashok kumar Khanna, Ramesh Chander, Nidhi Srivastava, Arti Shukla, Deepak Raina, Savita Srivastava, Ravi Rastogi, Arvind Kumar Srivastava, Mangal Prasad Dubey, Girish Kumar Jain, Pratim		
Institute	CDRI		
Application. No.	2714DEL1998	Filing Date	9/11/1998
Patent No.	190789	Grant Date	3/15/2004
Country	India	Status	LP/2006
369. Title	A process for the preparation of 1-aryl-3-substituted amino-hex-2-ene-1-ones-6-hydroxy useful as therapeutic agents		
Inventor	Savita Srivastava, Sanjay Batra, Amiya Prasad Bhaduri, Kavita Singh, Ashok kumar Khanna, Ramesh Chander, Nidhi Srivastava, Arti Shukla, Deepak Raina, Savita Srivastava, Ravi Rastogi, Arvind Kumar Srivastava, Mangal Prasad Dubey, Girish Kumar Jain, Pratim		
Institute	CDRI		
Application. No.	2715DEL1998	Filing Date	9/11/1998
Patent No.	191084	Grant Date	4/12/2004

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### Patents Filed/ Granted

Country	India	Status	LP/2006
370.	<b>Title</b>	<b>A process for the preparation of 1-aryl-6-halo-3-hydroxy-hex-2-ene-1-one- useful as intermediates for preparation of therapeutic agents</b>	
	<b>Inventor</b>	<b>Savita Srivastava, Amiya Prasad Bhaduri &amp; Sanjay Batra</b>	
	<b>Institute</b>	<b>CDRI</b>	
	<b>Application. No.</b>	<b>2716DEL1998</b>	<b>Filing Date</b> 9/11/1998
	<b>Patent No.</b>	<b>191519</b>	<b>Grant Date</b> 6/30/2004
	<b>Country</b>	<b>India</b>	<b>Status</b> LP/2006
371.	<b>Title</b>	<b>Composition useful for the early diagnosis of visceral leishmaniasis and a process for preparing the same</b>	
	<b>Inventor</b>	<b>Girish Kumar Jain, Suman Tiwari, Suman Gupta &amp; Jagdish Chandra Katiyar</b>	
	<b>Institute</b>	<b>CDRI</b>	
	<b>Application. No.</b>	<b>170/98</b>	<b>Filing Date</b> 10/20/1998
	<b>Patent No.</b>	<b>1003158</b>	<b>Grant Date</b> 7/27/2000
	<b>Country</b>	<b>Bangladesh</b>	<b>Status</b> IF
372.	<b>Title</b>	<b>Composition useful for the early diagnosis of visceral leishmaniasis and a process for preparing the same</b>	
	<b>Inventor</b>	<b>Girish Kumar Jain, Suman Tiwari, Suman Gupta &amp; Jagdish Chandra Katiyar</b>	
	<b>Institute</b>	<b>CDRI</b>	
	<b>Application. No.</b>	<b>09/178695</b>	<b>Filing Date</b> 10/26/1998
	<b>Patent No.</b>	<b>6423529</b>	<b>Grant Date</b> 7/23/2002
	<b>Country</b>	<b>United States</b>	<b>Status</b> IF
373.	<b>Title</b>	<b>A process of preparation of a composition useful for colonic drug delievery</b>	
	<b>Inventor</b>	<b>Anil Kumar Dwivedi, Madhu Khanna &amp; Satyawan Singh</b>	
	<b>Institute</b>	<b>CDRI</b>	
	<b>Application. No.</b>	<b>3154DEL1998</b>	<b>Filing Date</b> 10/28/1998
	<b>Patent No.</b>	<b>190800</b>	<b>Grant Date</b> 3/15/2004
	<b>Country</b>	<b>India</b>	<b>Status</b> LP/2006
374.	<b>Title</b>	<b>A process for the preparation of 1-(N,N- disubstituted) - dithio carbamido, 3-substituted - amino, propane 2-ols and</b>	

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### Patents Filed/ Granted

- |                         |  |  |                 |
|-------------------------|--|--|-----------------|
|                         |  | <b>their pharmaceutically accepted salts useful as anti-HIV agents</b> |                 |
| <b>Inventor</b>         | <b>Anil Kumar Dwivedi, Niharika Kumaria, Raghwendra Pal, Jagdamba Prasad Maikhuri, Gopal Gupta, Janak Dulari Dhar &amp; Satyawan Singh</b> |  |                 |
| <b>Institute</b>        | CDRI   |  |                 |
| <b>Application. No.</b> | 3155DEL1998  | <b>Filing Date</b>   | 10/28/1998      |
| <b>Patent No.</b>       | 191085   | <b>Grant Date</b>  | 4/12/2004       |
| <b>Country</b>          | India  | <b>Status</b>  | LP/2006         |
|                         |  |  |                 |
| <b>375. Title</b>       | <b>A process for the preparation of a novel device useful for the delivery of physiologically active substances or nutrients</b>           |  |                 |
| <b>Inventor</b>         | <b>Satyawan Singh, Madhu Khanna &amp; Anil Kumar Dwivedi</b>   |  |                 |
| <b>Institute</b>        | CDRI   |  |                 |
| <b>Application. No.</b> | 3157DEL1998  | <b>Filing Date</b>   | 10/28/1998      |
| <b>Patent No.</b>       | 194227   | <b>Grant Date</b>  | 1/20/2006       |
| <b>Country</b>          | India  | <b>Status</b>  | IF/2008         |
|                         |  |  |                 |
| <b>376. Title</b>       | <b>A process of preparation of formulation useful for treatment of malaria</b>   |  |                 |
| <b>Inventor</b>         | <b>Satyawan Singh, Anil Kumar Dwivedi &amp; Guru Prakash Dutta</b>   |  |                 |
| <b>Institute</b>        | CDRI   |  |                 |
| <b>Application. No.</b> | 3160DEL1998  | <b>Filing Date</b>   | 10/28/1998      |
| <b>Patent No.</b>       | 189749   | <b>Grant Date</b>  | 1/27/2004       |
| <b>Country</b>          | India  | <b>Status</b>  | IF/2008         |
|                         |  |  |                 |
| <b>377. Title</b>       | <b>Composition useful for the early diagnosis of visceral leishmaniasis and a process for preparing the same</b>                           |  |                 |
| <b>Inventor</b>         | <b>Girish Kumar Jain, Suman Tiwari, Suman Gupta &amp; Jagdish Chandra Katiyar</b>  |  |                 |
| <b>Institute</b>        | CDRI   |  |                 |
| <b>Application. No.</b> | 98890317.5   | <b>Filing Date</b>   | 10/29/1998      |
| <b>Patent No.</b>       | 0997734  | <b>Grant Date</b>  | 12/20/2006      |
| <b>Country</b>          | Europe   | <b>Status</b>  | PE (TSL) 990803 |
|                         |  |  |                 |
| <b>378. Title</b>       | <b>Composition useful for the early diagnosis of visceral leishmaniasis and a process for preparing the same</b>                           |  |                 |

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### Patents Filed/ Granted

- |                         |   |                    |            |
|-------------------------|---|--------------------|------------|
| <b>Inventor</b>         | <b>Girish Kumar Jain, Suman Tiwari, Suman Gupta &amp; Jagdish Chandra Katiyar</b> |                    |            |
| <b>Institute</b>        | CDRI  |                    |            |
| <b>Application. No.</b> | 98890317.5  | <b>Filing Date</b> | 10/29/1998 |
| <b>Patent No.</b>       | DE69836020T2  | <b>Grant Date</b>  | 5/10/2007  |
| <b>Country</b>          | Germany   | <b>Status</b>      | PP         |
- 
- |                         |  |                    |           |
|-------------------------|--|--------------------|-----------|
| <b>379. Title</b>       | <b>Composition useful for the early diagnosis of visceral leishmaniasis and a process for preparing the same</b> |                    |           |
| <b>Inventor</b>         | <b>Girish Kumar Jain, Suman Tiwari, Suman Gupta &amp; Jagdish Chandra Katiyar</b>                                |                    |           |
| <b>Institute</b>        | CDRI   |                    |           |
| <b>Application. No.</b> | 126852   | <b>Filing Date</b> | 11/2/1998 |
| <b>Patent No.</b>       | 126852   | <b>Grant Date</b>  | 5/6/2006  |
| <b>Country</b>          | Israel   | <b>Status</b>      | IF        |
- 
- |                         |   |                    |           |
|-------------------------|---|--------------------|-----------|
| <b>380. Title</b>       | <b>Polypeptides useful for diagnosis of Aspergillus fumigatus and a process of preparing the same</b> |                    |           |
| <b>Inventor</b>         | <b>Puranam U. Sarma, Taruna Madan, Priyanka Priyadarsiny, Seturan B. Katti &amp; Wahajul Haq</b>      |                    |           |
| <b>Institute</b>        | IGIB+CDRI   |                    |           |
| <b>Application. No.</b> | 09/184938   | <b>Filing Date</b> | 11/3/1998 |
| <b>Patent No.</b>       | 6262231   | <b>Grant Date</b>  | 7/17/2001 |
| <b>Country</b>          | United States   | <b>Status</b>      | IF        |
- 
- |                         |   |                    |           |
|-------------------------|---|--------------------|-----------|
| <b>381. Title</b>       | <b>A process for the preparation of a formulation useful as therapeutic agent</b> |                    |           |
| <b>Inventor</b>         | <b>Anil Kumar Dwivedi, Prem Prakash Gupta &amp; Satyawan Singh</b>                |                    |           |
| <b>Institute</b>        | CDRI  |                    |           |
| <b>Application. No.</b> | 3318DEL1998   | <b>Filing Date</b> | 11/9/1998 |
| <b>Patent No.</b>       | 190385  | <b>Grant Date</b>  | 2/24/2004 |
| <b>Country</b>          | India   | <b>Status</b>      | LP/2006   |
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- |                   |  |  |  |
|-------------------|--|--|--|
| <b>382. Title</b> | <b>A process for the preparation of a dihydro artemisinin formulation useful for the control of wide spectrum of malaria</b> |  |  |
| <b>Inventor</b>   | <b>Dharam Chand Jain, Rajendra Singh Bhakuni, Ram Prakash Sharma, Sushil Kumar &amp; Guru Prakash Dutta</b>                  |  |  |
| <b>Institute</b>  | CDRI+CIMAP   |  |  |

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### Patents Filed/ Granted

	<b>Application. No.</b>	0236DEL1999	<b>Filing Date</b>	2/12/1999
	<b>Patent No.</b>	191696	<b>Grant Date</b>	8/26/2004
	<b>Country</b>	India	<b>Status</b>	IF/2008
<b>383.</b>	<b>Title</b>	<b>A process for the preparation of anti-plasmodial lactate dehydrogenase monoclonal antibody from a new hybridoma clone</b>		
	<b>Inventor</b>	<b>Deep Chand Kaushal &amp; Nuzhat Anwar Kaushal</b>		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	0277DEL1999	<b>Filing Date</b>	2/19/1999
	<b>Patent No.</b>	190828	<b>Grant Date</b>	3/18/2004
	<b>Country</b>	India	<b>Status</b>	LP/05-05-2006
<b>384.</b>	<b>Title</b>	<b>Formulation of dihydroartemisinin for the control of wide spectrum of malaria</b>		
	<b>Inventor</b>	<b>Dharam Chand Jain, Rajendra Singh Bhakuni, Ram Pratap Sharma, Sushil Kumar &amp; Guru Prakash Dutta</b>		
	<b>Institute</b>	CDRI+CIMAP		
	<b>Application. No.</b>	09/264352	<b>Filing Date</b>	3/5/1999
	<b>Patent No.</b>	6214864	<b>Grant Date</b>	4/10/2001
	<b>Country</b>	United States	<b>Status</b>	IF
<b>385.</b>	<b>Title</b>	<b>Formulation of dihydroartemisinin for the control of wide spectrum of malaria</b>		
	<b>Inventor</b>	<b>Dharam Chand Jain, Rajendra Singh Bhakuni, Ram Pratap Sharma, Sushil Kumar &amp; Guru Prakash Dutta</b>		
	<b>Institute</b>	CDRI+CIMAP		
	<b>Application. No.</b>	99301912.4	<b>Filing Date</b>	3/12/1999
	<b>Patent No.</b>	1034794	<b>Grant Date</b>	5/30/2007
	<b>Country</b>	Europe	<b>Status</b>	PP/PUB
<b>386.</b>	<b>Title</b>	<b>Formulation of dihydroartemisinin for the control of wide spectrum of malaria</b>		
	<b>Inventor</b>	<b>Dharam Chand Jain, Rajendra Singh Bhakuni, Ram Pratap Sharma, Sushil Kumar &amp; Guru Prakash Dutta</b>		
	<b>Institute</b>	CDRI+CIMAP		
	<b>Application. No.</b>	11-114004	<b>Filing Date</b>	3/18/1999
	<b>Patent No.</b>	3686281	<b>Grant Date</b>	6/10/2005
	<b>Country</b>	Japan	<b>Status</b>	IF

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### Patents Filed/ Granted

- 387. Title**                    **Formulation of dihydroartemisinin for the control of wide spectrum of malaria**
- Inventor**                    **Dharam Chand Jain, Rajendra Singh Bhakuni, Ram Pratap Sharma, Sushil Kumar & Guru Prakash Dutta**
- Institute**                    **CDRI+CIMAP**
- Application. No.** 46/99                    **Filing Date**    3/25/1999
- Patent No.**                    1003209                    **Grant Date**    12/12/2000
- Country**                    **Bangladesh**                    **Status**                    IF
- 
- 388. Title**                    **Formulation of dihydroartemisinin for the control of wide spectrum of malaria**
- Inventor**                    **Dharam Chand Jain, Rajendra Singh Bhakuni, Ram Pratap Sharma, Sushil Kumar & Guru Prakash Dutta**
- Institute**                    **CDRI+CIMAP**
- Application. No.** 99/2354                    **Filing Date**    3/26/1999
- Patent No.**                    992354                    **Grant Date**    11/29/2000
- Country**                    **South Africa**                    **Status**                    IF
- 
- 389. Title**                    **Formulation of dihydroartemisinin for the control of wide spectrum of malaria**
- Inventor**                    **Dharam Chand Jain, Rajendra Singh Bhakuni, Ram Pratap Sharma, Sushil Kumar & Guru Prakash Dutta**
- Institute**                    **CDRI+CIMAP**
- Application. No.** PI 9901158                    **Filing Date**    3/26/1999
- Patent No.**                    MY129619-A                    **Grant Date**    4/30/2007
- Country**                    **Myanmar**                    **Status**                    PP
- 
- 390. Title**                    **Method of treating hyperlipidemic and hyperglycemic conditions in mammals using pregnadienols and pregnadienones**
- Inventor**                    **Ram Pratap, Ram Chandra Gupta, Ramesh Chander, Ashok Kumar Khanna, Arvind Kumar Srivastava, Deepak Raina, Savita Srivastava, Anil Kumar Rastogi, Omkar Prasad Asthana, Swarna Nityanand, Sukh Dev , Nitya Anand, Narendra Kumar Kapoor, Ashim Ghatak, & Satyawa**
- Institute**                    **CDRI**
- Application. No.** 09/280448                    **Filing Date**    3/30/1999
- Patent No.**                    6579862                    **Grant Date**    6/17/2003
- Country**                    **United States**                    **Status**                    IF

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### Patents Filed/ Granted

- 391. Title**                    **Formulation of dihydroartemisinin for the control of wide spectrum of malaria**
- Inventor**                    **Dharam Chand Jain, Rajendra Singh Bhakuni, Ram Pratap Sharma, Sushil Kumar & Guru Prakash Dutta**
- Institute**                    **CDRI+CIMAP**
- Application. No.** 22507/99                    **Filing Date** 3/30/1999
- Patent No.** 763680                    **Grant Date** 11/13/2003
- Country**                    **Australia**                    **Status**                    **IF**
- 
- 392. Title**                    **Formulation of dihydroartemisinin for the control of wide spectrum of malaria**
- Inventor**                    **Dharam Chand Jain, Rajendra Singh Bhakuni, Ram Pratap Sharma, Sushil Kumar & Guru Prakash Dutta**
- Institute**                    **CDRI+CIMAP**
- Application. No.** 213/99                    **Filing Date** 3/30/1999
- Patent No.** 136849                    **Grant Date**
- Country**                    **Pakistan**                    **Status**                    **PP**
- 
- 393. Title**                    **Formulation of dihydroartemisinin for the control of wide spectrum of malaria**
- Inventor**                    **Dharam Chand Jain, Rajendra Singh Bhakuni, Ram Pratap Sharma, Sushil Kumar & Guru Prakash Dutta**
- Institute**                    **CDRI+CIMAP**
- Application. No.** 99104738.9                    **Filing Date** 3/30/1999
- Patent No.** CN 1197568 C                    **Grant Date** 4/20/2005
- Country**                    **China**                    **Status**                    **IF**
- 
- 394. Title**                    **Formulation of dihydroartemisinin for the control of wide spectrum of malaria**
- Inventor**                    **Dharam Chand Jain, Rajendra Singh Bhakuni, Ram Pratap Sharma, Sushil Kumar & Guru Prakash Dutta**
- Institute**                    **CDRI+CIMAP**
- Application. No.** 11674                    **Filing Date** 3/30/1999
- Patent No.** 11674                    **Grant Date** 6/6/2000
- Country**                    **Sierra Leone**                    **Status**                    **IF**

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### Patents Filed/ Granted

- 395. Title** Method of treating hyperlipidemic and hyperglycemic conditions in mammals using pregnadienols and pregnadienones
- Inventor** Ram Pratap, Ram Chandra Gupta, Ramesh Chander, Ashok Kumar Khanna, Arvind Kumar Srivastava, Deepak Raina, Savita Srivastava, Anil Kumar Rastogi, Omkar Prasad Asthana, Swarna Nityanand, Sukh Dev , Nitya Anand, Narendra Kumar Kapoor, Ashim Ghatak, & Satyawa
- Institute** CDRI
- |                         |            |                    |            |
|-------------------------|------------|--------------------|------------|
| <b>Application. No.</b> | 99302556.8 | <b>Filing Date</b> | 3/31/1999  |
| <b>Patent No.</b>       | 1020191    | <b>Grant Date</b>  | 12/24/2008 |
| <b>Country</b>          | Europe     | <b>Status</b>      | PP/PUB     |
- 
- 396. Title** Use of primaquine derivative N'-ethylidinetetra hydrofuran -2-one)- N'-(6-methyl-8- quinodinylo 1-4-pentane diamine as gametocidal agent
- Inventor** Ram Pratap, Amiya Prasad Bhaduri, Harsh Pati Thapaliyal, Sunil Kumar Puri, Guru Prasad Dutta, Anil Kumar Dwivedi, Satyawan Singh, Pratima Srivastava, Vikas Chandra Pandey, Sudhir Srivastava, Shio Kumar Singh, Ram Chandra Gupta, Jagdishwar Sahai Srivastava
- Institute** CDRI
- |                         |               |                    |           |
|-------------------------|---------------|--------------------|-----------|
| <b>Application. No.</b> | 09/316313     | <b>Filing Date</b> | 5/21/1999 |
| <b>Patent No.</b>       | 7183291       | <b>Grant Date</b>  | 2/27/2007 |
| <b>Country</b>          | United States | <b>Status</b>      | PF        |
- 
- 397. Title** Novel 1-(4-aryl) heteroaryl piperazin/ piperidin -1-yl) -N-(quinaloxy- 6/7/8 -yl/4- (un) substituted pyrrolidin -2- oxo-l-yl) alkanes/ alkanones and their salts as potential therapeutic agents and a process for synthesis thereof
- Inventor** Suresh Kumar Pandey, Alpana Srivastava, Keshav Kishor Awasthi, Ravish Chandra Tripathi, Shekhar Srivastava, Jharna Arun, Ram Mohan Saxena, Madhur Ray, Rakesh Shukla, Mangal Prasad Dubey & Anil Kumar Saxena
- Institute** CDRI
- |                         |             |                    |           |
|-------------------------|-------------|--------------------|-----------|
| <b>Application. No.</b> | 1452DEL1999 | <b>Filing Date</b> | 11/5/1999 |
| <b>Patent No.</b>       | 191579      | <b>Grant Date</b>  | 6/30/2004 |
| <b>Country</b>          | India       | <b>Status</b>      | IF/2008   |

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### Patents Filed/ Granted

- 398. Title** Novel 6-(naphthyl vinyl)-1,2,4- trioxanes, useful as antimalarial agents
- Inventor** Chandan Singh, Rani Kanchan, Subhash Chandra & Sunil Kumar Puri
- Institute** CDRI
- Application. No.** 1450DEL1999      **Filing Date** 11/5/1999
- Patent No.** 242317      **Grant Date** 8/23/2010
- Country** India      **Status** PP/UE
- 
- 399. Title** A process for the preparation of novel 1-(4-aryl) heteroaryl piperazin/ piperidin -1-yl) -N- (quinaloxy- 6/7/8 -yl/4- (un) substituted pyrrolidin -2- oxo-1-yl) alkanes/ alkanones and their salts as potential therapeutic agents
- Inventor** Suresh Kumar Pandey, Alpana Srivastava, Keshav Kishor Awasthi, Ravish Chandra Tripathi, Shekhar Srivastava, Jharna Arun, Ram Mohan Saxena, Madhur Ray, Rakesh Shukla, Mangal Prasad Dubey & Anil Kumar Saxena
- Institute** CDRI
- Application. No.** 1451DEL1999      **Filing Date** 11/5/1999
- Patent No.** 219883      **Grant Date** 5/14/2008
- Country** India      **Status** PP/IO
- 
- 400. Title** An improved process for the synthesis of 1-oxo-1,2,3,4,6,7,12,12a - octahydro pyrazino [2',1':6,1] pyrido [3,4-b] indole
- Inventor** Suresh Kumar Pandey, Keshav Kishor Awasthi, Ravish Chandra Tripathi, Kalpana Bhandari, Harshpati Thapliyal & Anil Kumar Saxena
- Institute** CDRI
- Application. No.** 1446DEL1999      **Filing Date** 11/5/1999
- Patent No.** 191499      **Grant Date** 6/30/2004
- Country** India      **Status** IF/2008
- 
- 401. Title** Polypeptides useful for diagnosis of Aspergillus fumigatus and a process of preparing the same
- Inventor** Puranam U. Sarma, Taruna Madan, Priyanka Priyadarsiny, Seturam B. Katti & Wahajul Haq
- Institute** IGIB+CDRI
- Application. No.** 99309700.5      **Filing Date** 12/2/1999
- Patent No.** 1104768      **Grant Date** 11/29/2006
- Country** Europe      **Status** PP

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### **Patents Filed/ Granted**

- 402. Title** An improved one-pot process for the preparation of ether derivative of dihydro artemisinin
- Inventor** Chandan Singh & Pallvi Tiwari  
**Institute** CDRI
- Application. No.** 1533DEL1999    **Filing Date** 12/14/1999  
**Patent No.** 191589    **Grant Date** 6/30/2004  
**Country** India    **Status** IF/2008
- 403. Title** A one-pot process for the preparation of artemether from artemisinin
- Inventor** Chandan Singh & Pallvi Tiwari  
**Institute** CDRI
- Application. No.** 1534DEL1999    **Filing Date** 12/14/1999  
**Patent No.** 191588    **Grant Date** 6/30/2004  
**Country** India    **Status** IF/2008
- 404. Title** An improved process for the preparation of dihydro artemisinin
- Inventor** Chandan Singh & Pallvi Tiwari  
**Institute** CDRI
- Application. No.** 1535DEL1999    **Filing Date** 12/14/1999  
**Patent No.** 191269    **Grant Date** 4/26/2004  
**Country** India    **Status** IF/2008
- 405. Title** Novel substituted 1,2,4, - trioxanes as anti malarial agents
- Inventor** Chandan Singh, Rani Kanchan & Sunil Kumar Puri  
**Institute** CDRI
- Application. No.** 1554DEL1999    **Filing Date** 12/21/1999  
**Patent No.** 233025    **Grant Date** 3/25/2009  
**Country** India    **Status** PP/UE
- 406. Title** A process for the preparation of novel substituted 1,2,4-trioxanes
- Inventor** Chandan Singh, Rani Kanchan & Sunil Kumar Puri  
**Institute** CDRI
- Application. No.** 1558DEL1999    **Filing Date** 12/21/1999  
**Patent No.** 191483    **Grant Date** 6/30/2004  
**Country** India    **Status** LP/2010

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### Patents Filed/ Granted

- 407. Title** Novel substituted 1,2,4- trioxanes useful as anti malarial agents
- Inventor** Chandan Singh & Sunil Kumar Puri
- Institute** CDRI
- Application. No.** 1579DEL1999      **Filing Date** 12/28/1999
- Patent No.** 232539      **Grant Date** 3/18/2009
- Country** India      **Status** PP/UE
- 
- 408. Title** A process for the preparation of novel substituted 1,2,4- trioxanes and their esters
- Inventor** Chandan Singh & Sunil Kumar Puri
- Institute** CDRI
- Application. No.** 1583DEL1999      **Filing Date** 12/28/1999
- Patent No.** 191710      **Grant Date** 9/8/2004
- Country** India      **Status** IF/2008
- 
- 409. Title** A process for the preparation of novel ether derivatives of dihydroartemisinin
- Inventor** Chandan Singh, Rani Kanchan & Sunil Kumar Puri
- Institute** CDRI
- Application. No.** 0211DEL2000      **Filing Date** 3/9/2000
- Patent No.** 191660      **Grant Date** 8/30/2005
- Country** India      **Status** IF/2009
- 
- 410. Title** Novel ether derivatives of dihydro artimisinin as anti malarials
- Inventor** Chandan Singh, Rani Kanchan & Sunil Kumar Puri
- Institute** CDRI
- Application. No.** 0212DEL2000      **Filing Date** 3/9/2000
- Patent No.** 211244      **Grant Date** 10/23/2007
- Country** India      **Status** IF/2009
- 
- 411. Title** Use of primaquine derivative N'-ethylidinetetra hydrofuran -2-one)- N'-(6-methyl-8- quinodinylo 1-4- pentane diamine as gametocidal agent
- Inventor** Ram Pratap, Amiya Prasad Bhaduri, Harsh Pati Thapaliyal, Sunil Kumar Puri, Guru Prasad Dutta, Anil Kumar Dwivedi, Satyawan Singh, Pratima Srivastava,

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### Patents Filed/ Granted

- |             |                         |   |                    |            |
|-------------|-------------------------|---|--------------------|------------|
|             |                         | <b>Vikas Chandra Pandey, Sudhir Srivastava, Shio Kumar Singh, Ram Chandra Gupta, Jagdishwar Sahai Srivastava</b>  |                    |            |
|             | <b>Institute</b>        | CDRI  |                    |            |
|             | <b>Application. No.</b> | 00302430.4  | <b>Filing Date</b> | 3/24/2000  |
|             | <b>Patent No.</b>       | 1055427   | <b>Grant Date</b>  | 10/13/2004 |
|             | <b>Country</b>          | Europe  | <b>Status</b>      | IF         |
| <b>412.</b> | <b>Title</b>            | <b>Synergistic anti - malarial formulation</b>  |                    |            |
|             | <b>Inventor</b>         | <b>Guru Prakash Dutta, Dharam Chand Jain, R S Bhakuni, Sudhanshu Saxena, Sangeeta Dhawan, S P S Khanuja, Sushil Kumar, Renu Tripathi, Aseem Umesh, Nuzhat Kamal, Anil Kumar Dwivedi</b> |                    |            |
|             | <b>Institute</b>        | CIMAP+CDRI  |                    |            |
|             | <b>Application. No.</b> | 09/537246   | <b>Filing Date</b> | 3/28/2000  |
|             | <b>Patent No.</b>       | 6326023   | <b>Grant Date</b>  | 12/4/2001  |
|             | <b>Country</b>          | United States   | <b>Status</b>      | IF         |
| <b>413.</b> | <b>Title</b>            | <b>Inclusion complexes of a high potent opioid peptide, pharmaceutical compositions and method of treatment</b>   |                    |            |
|             | <b>Inventor</b>         | <b>Anil kumar dwivedi , Madhu Khanna, Wajahul Haq, Ram Raghubir, Sudhir Srivastava, PSR Murty, Omkar Prasad Asthana, Jagdishwar Sahai Srivastava , Satyawan Singh</b>                   |                    |            |
|             | <b>Institute</b>        | CDRI  |                    |            |
|             | <b>Application. No.</b> | 09/537088   | <b>Filing Date</b> | 3/29/2000  |
|             | <b>Patent No.</b>       | 6740639   | <b>Grant Date</b>  | 5/25/2004  |
|             | <b>Country</b>          | United States   | <b>Status</b>      | IF         |
| <b>414.</b> | <b>Title</b>            | <b>Inclusion complexes of a high potent opioid peptide, pharmaceutical compositions and method of treatment</b>   |                    |            |
|             | <b>Inventor</b>         | <b>Anil kumar dwivedi , Madhu Khanna, Wajahul Haq, Ram Raghubir, Sudhir Srivastava, PSR Murty, Omkar Prasad Asthana, Jagdishwar Sahai Srivastava , Satyawan Singh</b>                   |                    |            |
|             | <b>Institute</b>        | CDRI  |                    |            |
|             | <b>Application. No.</b> | 0030267.47  | <b>Filing Date</b> | 3/31/2000  |
|             | <b>Patent No.</b>       | 1174152B1   | <b>Grant Date</b>  | 12/20/2006 |
|             | <b>Country</b>          | Europe  | <b>Status</b>      | IF/PUB     |
| <b>415.</b> | <b>Title</b>            | <b>Process for the Preparation of diaryl naphthyl methanes</b>  |                    |            |
|             | <b>Inventor</b>         | <b>Neeta Srivastava, Arvinder Grover, Sangeeta, Atul Kumar, Man Mohan Singh, Janak Dulari Dhar &amp; Suprabhat Ray</b>  |                    |            |

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### Patents Filed/ Granted

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|-------------------------|---------------|--------------------|-----------|
| <b>Institute</b>        | CDRI          |                    |           |
| <b>Application. No.</b> | 09/539790     | <b>Filing Date</b> | 3/31/2000 |
| <b>Patent No.</b>       | 6610705       | <b>Grant Date</b>  | 8/26/2003 |
| <b>Country</b>          | United States | <b>Status</b>      | IF        |
- 
416. **Title**                    **Substituted 1,2,4-trioxanes as antimalarial agents and a process of producing the substituted 1,2,4-Trioxanes**
- Inventor**                    **Chandan Singh, Pallvi Tiwari & Sunil Kumar Puri**
- Institute**                    **CDRI**
- |                         |               |                    |            |
|-------------------------|---------------|--------------------|------------|
| <b>Application. No.</b> | 09/539574     | <b>Filing Date</b> | 3/31/2000  |
| <b>Patent No.</b>       | 6316493 B1    | <b>Grant Date</b>  | 11/13/2001 |
| <b>Country</b>          | United States | <b>Status</b>      | IF         |
- 
417. **Title**                    **Substituted 1,2,4-trioxanes as antimalarial agents and a process of producing the substituted 1,2,4-trioxanes**
- Inventor**                    **Chandan Singh & Sunil Kumar Puri**
- Institute**                    **CDRI**
- |                         |           |                    |           |
|-------------------------|-----------|--------------------|-----------|
| <b>Application. No.</b> | 0288/2000 | <b>Filing Date</b> | 3/31/2000 |
| <b>Patent No.</b>       | 137301    | <b>Grant Date</b>  | 7/31/2002 |
| <b>Country</b>          | Pakistan  | <b>Status</b>      | IF        |
- 
418. **Title**                    **Substituted 1,2,4-trioxanes as antimalarial agents and a process of producing the substituted 1,2,4-trioxanes**
- Inventor**                    **Chandan Singh & Sunil Kumar Puri**
- Institute**                    **CDRI**
- |                         |            |                    |            |
|-------------------------|------------|--------------------|------------|
| <b>Application. No.</b> | P-20000261 | <b>Filing Date</b> | 3/31/2000  |
| <b>Patent No.</b>       | ID0011878  | <b>Grant Date</b>  | 10/13/2003 |
| <b>Country</b>          | Indonesia  | <b>Status</b>      | IF         |
- 
419. **Title**                    **Substituted 1,2,4-trioxanes as antimalarial agents and a process of producing the substituted 1,2,4-trioxanes**
- Inventor**                    **Chandan Singh & Sunil Kumar Puri**
- Institute**                    **CDRI**
- |                         |           |                    |           |
|-------------------------|-----------|--------------------|-----------|
| <b>Application. No.</b> | S20000281 | <b>Filing Date</b> | 3/31/2000 |
| <b>Patent No.</b>       | 4230      | <b>Grant Date</b>  | 4/13/2004 |
| <b>Country</b>          | Vietnam   | <b>Status</b>      | IF        |
- 
420. **Title**                    **Substituted 1,2,4-trioxanes as antimalarial agents and a process of producing the substituted 1,2,4-trioxanes**

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### Patents Filed/ Granted

- |                         |   |                    |            |
|-------------------------|---|--------------------|------------|
| <b>Inventor</b>         | <b>Chandan Singh &amp; Sunil Kumar Puri</b> |                    |            |
| <b>Institute</b>        | CDRI  |                    |            |
| <b>Application. No.</b> | 12044                                       | <b>Filing Date</b> | 3/31/2000  |
| <b>Patent No.</b>       | 12044                                       | <b>Grant Date</b>  | 10/27/2000 |
| <b>Country</b>          | Sierra Leone                                | <b>Status</b>      | IF         |
- 
- |                         |  |                    |           |
|-------------------------|--|--------------------|-----------|
| <b>421. Title</b>       | <b>Substituted 1,2,4-trioxanes as antimalarial agents and a process of producing the substituted 1,2,4-trioxanes</b> |                    |           |
| <b>Inventor</b>         | <b>Chandan Singh &amp; Sunil Kumar Puri</b>  |                    |           |
| <b>Institute</b>        | CDRI   |                    |           |
| <b>Application. No.</b> | 200001862.2  | <b>Filing Date</b> | 3/31/2000 |
| <b>Patent No.</b>       | 0084585  | <b>Grant Date</b>  | 9/30/2004 |
| <b>Country</b>          | Siovenia   | <b>Status</b>      | IF        |
- 
- |                         |  |                    |            |
|-------------------------|--|--------------------|------------|
| <b>422. Title</b>       | <b>Substituted 1,2,4-trioxanes as antimalarial agents and a process of producing the substituted 1,2,4-trioxanes</b> |                    |            |
| <b>Inventor</b>         | <b>Chandan Singh &amp; Sunil Kumar Puri</b>  |                    |            |
| <b>Institute</b>        | CDRI   |                    |            |
| <b>Application. No.</b> | 2000/1642  | <b>Filing Date</b> | 3/31/2000  |
| <b>Patent No.</b>       | 2000/1642  | <b>Grant Date</b>  | 12/27/2000 |
| <b>Country</b>          | South Africa   | <b>Status</b>      | IF         |
- 
- |                         |  |                    |           |
|-------------------------|--|--------------------|-----------|
| <b>423. Title</b>       | <b>Substituted 1,2,4-trioxanes as antimalarial agents and a process of producing the substituted 1,2,4-trioxanes</b> |                    |           |
| <b>Inventor</b>         | <b>Chandan Singh &amp; Sunil Kumar Puri</b>  |                    |           |
| <b>Institute</b>        | CDRI   |                    |           |
| <b>Application. No.</b> | 0058/2000  | <b>Filing Date</b> | 3/31/2000 |
| <b>Patent No.</b>       | 1003409/2000   | <b>Grant Date</b>  |           |
| <b>Country</b>          | Bangladesh   | <b>Status</b>      | PP        |
- 
- |                         |  |                    |            |
|-------------------------|--|--------------------|------------|
| <b>424. Title</b>       | <b>Substituted 1,2,4-trioxanes as antimalarial agents and a process of producing the substituted 1,2,4-trioxanes</b> |                    |            |
| <b>Inventor</b>         | <b>Chandan Singh &amp; Sunil Kumar Puri</b>  |                    |            |
| <b>Institute</b>        | CDRI   |                    |            |
| <b>Application. No.</b> | 09/539574  | <b>Filing Date</b> | 3/31/2000  |
| <b>Patent No.</b>       | 6316493  | <b>Grant Date</b>  | 11/13/2001 |
| <b>Country</b>          | United States  | <b>Status</b>      | IF         |
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- |                   |  |  |  |
|-------------------|--|--|--|
| <b>425. Title</b> | <b>Diaryl naphthyl methane derivatives</b> |  |  |
|-------------------|--|--|--|

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### Patents Filed/ Granted

- |                         |  |                    |           |
|-------------------------|--|--------------------|-----------|
| <b>Inventor</b>         | <b>Neeta Srivastava, Arvind Grover, Sangeeta, Atul Kumar, Man Mohan Singh, Janak Dulari Dhar &amp; Suprabhat Ray</b> |                    |           |
| <b>Institute</b>        | CDRI   |                    |           |
| <b>Application. No.</b> | 0767DEL2000  | <b>Filing Date</b> | 8/29/2000 |
| <b>Patent No.</b>       | 197502   | <b>Grant Date</b>  | 10/8/2007 |
| <b>Country</b>          | India  | <b>Status</b>      | LP/2010   |
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- |                         |  |                    |           |
|-------------------------|--|--------------------|-----------|
| <b>426. Title</b>       | <b>Combination kit used in the treatment of malaria</b>  |                    |           |
| <b>Inventor</b>         | <b>Pinto; Francis Joseph (Mumbai, IN), Piramal; Swati Ajay (Mumbai, IN), Pratap; Ram (Lucknow, IN), Bhaduri; Amiya Prasad (Lucknow, IN), Thapliyal; Harsh Pati (Lucknow, IN), Puri; Sunil Kumar (Lucknow, IN), Dutta; Guru Prasad (Lucknow, IN), Dwivedi; Anil Kum</b> |                    |           |
| <b>Institute</b>        | CDRI + Nicholas Piramal  |                    |           |
| <b>Application. No.</b> | 10/296215  | <b>Filing Date</b> | 8/30/2000 |
| <b>Patent No.</b>       | 7404962  | <b>Grant Date</b>  | 7/29/2008 |
| <b>Country</b>          | United States  | <b>Status</b>      | PP        |
- 
- |                         |   |                    |           |
|-------------------------|---|--------------------|-----------|
| <b>427. Title</b>       | <b>Mifepristone analogue, process for the preparation thereof and use thereof</b>                               |                    |           |
| <b>Inventor</b>         | <b>Braja Gopal Hazra, Vandana Sudhir Pore, Padmakar Laxman Joshi, Sourav Basu, Jyotsna Singh, Anila Dwivedi</b> |                    |           |
| <b>Institute</b>        | NCL+CDRI  |                    |           |
| <b>Application. No.</b> | 09/656361   | <b>Filing Date</b> | 9/6/2000  |
| <b>Patent No.</b>       | 6512130   | <b>Grant Date</b>  | 1/28/2003 |
| <b>Country</b>          | United States   | <b>Status</b>      | IF        |
- 
- |                         |   |                    |            |
|-------------------------|---|--------------------|------------|
| <b>428. Title</b>       | <b>A process for the preparation of N,N ' [bis(1-aryl -6-hydroxy - hex-2-ene-1- one-3-yl) 1, N -alkenonedia mine</b>                                    |                    |            |
| <b>Inventor</b>         | <b>Sanjay Batra, Amiya Prasad Bhaduri, Bhawani Shankar Joshi, Raja Roy, Ramesh Chander, A K Khanna, Shakti Kitchlu &amp; Puroshottam Kumar Mehrotra</b> |                    |            |
| <b>Institute</b>        | CDRI  |                    |            |
| <b>Application. No.</b> | 0808DEL2000   | <b>Filing Date</b> | 9/6/2000   |
| <b>Patent No.</b>       | 191922  | <b>Grant Date</b>  | 11/16/2004 |
| <b>Country</b>          | India   | <b>Status</b>      | LP/2006    |
- 
- |                   |  |  |  |
|-------------------|--|--|--|
| <b>429. Title</b> | <b>A process for the preparation of 3-(3-aryl-isoxazole -5-yl) - 3-hydroxy -2 methylene propionic acid derivatives</b> |  |  |
|-------------------|--|--|--|

## Central Drug Research Institute

### Patents Filed/ Granted

- |                         |  |                    |            |
|-------------------------|--|--------------------|------------|
| <b>Inventor</b>         | <b>Sanjay Batra, Arundhati Patra, Shiv Kumar Rastogi, Bijoy Kundu &amp; Amiya Prasad Bhaduri</b> |                    |            |
| <b>Institute</b>        | CDRI   |                    |            |
| <b>Application. No.</b> | 0809DEL2000  | <b>Filing Date</b> | 9/6/2000   |
| <b>Patent No.</b>       | 192053   | <b>Grant Date</b>  | 11/16/2004 |
| <b>Country</b>          | India  | <b>Status</b>      | LP/2006    |
- 
430. **Title**                    **An improved process for the preparation of  $\alpha$ -(2-pyridyl - N- oxide)-4- quinolyl methane**
- |                         |                         |                    |            |
|-------------------------|-------------------------|--------------------|------------|
| <b>Inventor</b>         | <b>Devi Prasad Sahu</b> |                    |            |
| <b>Institute</b>        | CDRI                    |                    |            |
| <b>Application. No.</b> | 0896DEL2000             | <b>Filing Date</b> | 10/6/2000  |
| <b>Patent No.</b>       | 192054                  | <b>Grant Date</b>  | 11/16/2004 |
| <b>Country</b>          | India                   | <b>Status</b>      | IF/2008    |
- 
431. **Title**                    **An improved process for the preparation of 2-pyridyl -2,8-bis- (trifluoromethyl) -4-quinolyl ketone**
- |                         |                         |                    |           |
|-------------------------|-------------------------|--------------------|-----------|
| <b>Inventor</b>         | <b>Devi Prasad Sahu</b> |                    |           |
| <b>Institute</b>        | CDRI                    |                    |           |
| <b>Application. No.</b> | 0898DEL2000             | <b>Filing Date</b> | 10/6/2000 |
| <b>Patent No.</b>       | 192965                  | <b>Grant Date</b>  | 1/20/2006 |
| <b>Country</b>          | India                   | <b>Status</b>      | IF/2008   |
- 
432. **Title**                    **Formulation of dihydroartemisinin for the control of wide spectrum of malaria**
- |                         |   |                    |           |
|-------------------------|---|--------------------|-----------|
| <b>Inventor</b>         | <b>D C Jain, R S Bhakuni, R P Sharma, Sushil Kumar &amp; Guru Prakash Dutta</b> |                    |           |
| <b>Institute</b>        | CDRI+CIMAP  |                    |           |
| <b>Application. No.</b> | 704485  | <b>Filing Date</b> | 11/2/2000 |
| <b>Patent No.</b>       | 6362219   | <b>Grant Date</b>  | 3/26/2002 |
| <b>Country</b>          | United States   | <b>Status</b>      | IF        |
- 
433. **Title**                    **A formulation of  $\alpha$ - $\beta$  artectether useful for the treatment of wide spectrum multi drug resistant malaria through rectal route**
- |                 |  |  |  |
|-----------------|--|--|--|
| <b>Inventor</b> | <b>Guru Prakash Dutta, Dharam Chand Jain, Ranjendra Singh Bhakuni, Sudhanshu Saxena, Sangeeta Dhawan, Suman Preet Singh Khanuja, Sushil Kumar, Renu Tripathi, Aseem Umesh, Nuzhat Kamal, Anil Kumar Dwivedi &amp; Satyawan Singh</b> |  |  |
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### Patents Filed/ Granted

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|-------------------------|-------------|--------------------|------------|
| <b>Institute</b>        | CIMAP+CDRI  |                    |            |
| <b>Application. No.</b> | 1095DEL2000 | <b>Filing Date</b> | 11/30/2000 |
| <b>Patent No.</b>       | 211247      | <b>Grant Date</b>  | 10/23/2007 |
| <b>Country</b>          | India       | <b>Status</b>      | IF/2009    |
- 434. Title**                    **Method of treating a cognitive memory dysfunction using gugulipid**
- Inventor**                    **Ram Pratap, Raghwendra Pal, Satyawan Singh, Girja Shankar, Chandishwar Nath, Hemant Kumar Singh, Deepak Raina, Arvind Kumar Srivastava, Anil Kumar Rastogi, Puvvada Sri Ramachandra Murthy, Sudhir Srivastava, Omkar Prasad Asthana, Narendra Singh, Nitya Anand**
- |                         |               |                    |            |
|-------------------------|---------------|--------------------|------------|
| <b>Institute</b>        | CDRI          |                    |            |
| <b>Application. No.</b> | 09/742424     | <b>Filing Date</b> | 12/22/2000 |
| <b>Patent No.</b>       | 6896901       | <b>Grant Date</b>  | 5/24/2005  |
| <b>Country</b>          | United States | <b>Status</b>      | IF         |
- 435. Title**                    **Linker based solid support for peptide and small molecule organic synthesis**
- Inventor**                    **Wahajul Haq & Seturam Bandhacharya Katti**
- Institute**                    CDRI
- |                         |                 |                    |           |
|-------------------------|-----------------|--------------------|-----------|
| <b>Application. No.</b> | 01906091.2(CPA) | <b>Filing Date</b> | 1/4/2001  |
| <b>Patent No.</b>       | EP 1263800      | <b>Grant Date</b>  | 9/11/2006 |
| <b>Country</b>          | Europe          | <b>Status</b>      | PP        |
- 436. Title**                    **Linker based solid support for peptide and small molecule organic synthesis**
- Inventor**                    **Wahajul Haq & Seturam Bandhacharya Katti**
- Institute**                    CDRI
- |                         |            |                    |           |
|-------------------------|------------|--------------------|-----------|
| <b>Application. No.</b> | 34056/01   | <b>Filing Date</b> | 1/4/2001  |
| <b>Patent No.</b>       | 2001234056 | <b>Grant Date</b>  | 2/29/2008 |
| <b>Country</b>          | Australia  | <b>Status</b>      | PP        |
- 437. Title**                    **Novel uses of gugulipid: as cognition enhancer, anti-hyperglycemic and for dermal conditions**
- Inventor**                    **Ram Pratap, Raghwendra Pal, Satyawan Singh, Girja Shankar, Chandishwar Nath, Hemant Kumar Singh, Deepak Raina, Arvind Kumar Srivastava, Anil Kumar Rastogi, Puvvada Sri Ramachandra Murthy, Sudhir**

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### Patents Filed/ Granted

- |             |                         |  |                              |
|-------------|-------------------------|--|------------------------------|
|             |                         | <b>Srivastava, Omkar Prasad Asthana, Narendra Singh, Nitya Anand</b>   |                              |
|             | <b>Institute</b>        | CDRI   |                              |
|             | <b>Application. No.</b> | 01300257.1   | <b>Filing Date</b> 1/12/2001 |
|             | <b>Patent No.</b>       | 1224938  | <b>Grant Date</b> 12/14/2005 |
|             | <b>Country</b>          | Europe   | <b>Status</b> IF             |
| <b>438.</b> | <b>Title</b>            | <b>A process for the preparation of alkyl/aryl- 3 -amino -3-glycosylated -propanoates and corresponding propionic acid</b>   |                              |
|             | <b>Inventor</b>         | <b>Rama Pati Tripathi, Jitendra Kumar Saxena, Omkar Prasad Shukla, Subhash Chandra, Puvada Kalpana Murthy, Shailja Bhattacharya, Kamal Kamboj, Anil Kumar Dwivedi, Ranjeet Kumar Chatterjee, Satyawan Singh, Vishwa Mohan Lal Srivastava, Anil Kumar Rastogi &amp; Ami</b> |                              |
|             | <b>Institute</b>        | CDRI   |                              |
|             | <b>Application. No.</b> | 0048DEL2001  | <b>Filing Date</b> 1/19/2001 |
|             | <b>Patent No.</b>       | 192853   | <b>Grant Date</b> 9/9/2005   |
|             | <b>Country</b>          | India  | <b>Status</b> IF/2008        |
| <b>439.</b> | <b>Title</b>            | <b>A process for the preparation of novel 7-O-alkanoyl (acetamide) 4-2H-1-benzopyran-2-ones</b>  |                              |
|             | <b>Inventor</b>         | <b>Rama Pati Tripathi, Jitendra Kumar Saxena, Omkar Prasad Shukla, Subhash Chandra, Puvada Kalpana Murthy, Shailja Bhattacharya, Kamal Kamboj, Anil Kumar Dwivedi, Ranjeet Kumar Chatterjee, Satyawan Singh, Vishwa Mohan Lal Srivastava, Anil Kumar Rastogi &amp; Ami</b> |                              |
|             | <b>Institute</b>        | CDRI   |                              |
|             | <b>Application. No.</b> | 0047DEL2001  | <b>Filing Date</b> 1/19/2001 |
|             | <b>Patent No.</b>       | 192852   | <b>Grant Date</b> 9/9/2005   |
|             | <b>Country</b>          | India  | <b>Status</b> LP/05-05-2006  |
| <b>440.</b> | <b>Title</b>            | <b>Linker based solid support for peptide and small molecule organic synthesis</b>   |                              |
|             | <b>Inventor</b>         | <b>Wahajul Haq &amp; Seturam Bandhacharya Katti</b>  |                              |
|             | <b>Institute</b>        | CDRI   |                              |
|             | <b>Application. No.</b> | 09/771108  | <b>Filing Date</b> 1/26/2001 |
|             | <b>Patent No.</b>       | 6492460  | <b>Grant Date</b> 12/10/2002 |
|             | <b>Country</b>          | United States  | <b>Status</b> IF             |

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### Patents Filed/ Granted

441. **Title** An improved process for the preparation of 1-(4-arylpiperazin-1-yl)-N-(N-substituted amino) alkanes
- Inventor** V.K. Sharma
- Institute** CDRI
- Application. No.** 0228DEL2001 **Filing Date** 2/28/2001
- Patent No.** 218348 **Grant Date** 3/31/2008
- Country** India **Status** PP/IO
- 
442. **Title** An improved process for the synthesis of 3,4- disubstituted -1,5-dihydro- 2H-3-pyrrolin -2-one
- Inventor** Kalpana Bhandari, Vishnu Lal Sharma & Suprabhat Ray
- Institute** CDRI
- Application. No.** 0323DEL2001 **Filing Date** 3/23/2001
- Patent No.** 231699 **Grant Date** 3/8/2009
- Country** India **Status** LP/2010
- 
443. **Title** A process for the preparation of novel 4-alkyl-7-O-(alkanoyl-2-yl)-2h-1-benzopyran-2-ones useful as inhibitors of helminthic and protozoan DNA topoisomerases
- Inventor** Rama Pati Tripathi, Jitendra Kumar Saxena, Onkar Prasad Shukla, Subhash Chandra, Puvada Kalpana Murthy, Shailja Bhattacharya, Kamal Kamboj, Anil Kumar Dwivedi, Ranjeet Kumar Chatterjee, Satyawan Singh, Vishwa Mohan Lal Srivastava, Anil Kumar Rastogi & Ami
- Institute** CDRI
- Application. No.** 0620DEL2001 **Filing Date** 5/29/2001
- Patent No.** 192291 **Grant Date** 1/11/2005
- Country** India **Status** IF/2008
- 
444. **Title** A process for the preparation of 1-arylalkyl -5-oxo- proline carboxamides useful as thrombin inhibitors
- Inventor** Dinesh Kumar Dikshit, Madhu Dikshit, Stuti Srivastava & Prashant Sharma
- Institute** CDRI
- Application. No.** 1206DEL2001 **Filing Date** 11/29/2001
- Patent No.** 192822 **Grant Date** 9/9/2005
- Country** India **Status** IF/2008

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### Patents Filed/ Granted

- 445. Title**                    **A process for the preparation of novel combinatorial library of 3 and 30 - substituted Lup - 20(29)-ene useful as antimalarial agents**
- Inventor**                    **M. A. Farooq Biabani, T. Srinivasan, Sunil Kumar Puri, Kanwal Raj & Bijoy Kundu**
- Institute**                    **CDRI**
- Application. No.** 1207DEL2001    **Filing Date**    11/29/2001
- Patent No.**                    193544            **Grant Date**    1/13/2006
- Country**                    **India**            **Status**            IF/2008
- 
- 446. Title**                    **A novel 1-arylalkyl -5-oxo- proline carboxamides**
- Inventor**                    **Dinesh Kumar Dikshit, Madhu Dikshit, Stuti Srivastava & Prashant Sharma**
- Institute**                    **CDRI**
- Application. No.** 1196DEL2001    **Filing Date**    11/29/2001
- Patent No.**                    235205            **Grant Date**    6/29/2009
- Country**                    **India**            **Status**            PP/UE
- 
- 447. Title**                    **Linker based solid support for peptide and small molecule organic synthesis**
- Inventor**                    **Wahajul Haq & Seturam Bandhacharya Katti**
- Institute**                    **CDRI**
- Application. No.** 01800744.9    **Filing Date**    11/30/2001
- Patent No.**                    01800744.9    **Grant Date**    2/14/2007
- Country**                    **China**            **Status**            PP
- 
- 448. Title**                    **A process for the preparation of novel combinational library of 3-substituted amino -3-glycosylated propanoate useful as antifungal and antibacterial agents**
- Inventor**                    **Rama Pati Tripathi, Bijoy Kundu, Praveen Kumar Shukla, Sudhir Sinha, Ranjana Srivastava, Kishore Kumar Srivastava & Brahm Shankar Srivastava**
- Institute**                    **CDRI**
- Application. No.** 1272DEL2001    **Filing Date**    12/24/2001
- Patent No.**                    194984            **Grant Date**    3/17/2006
- Country**                    **India**            **Status**            IF/2008

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- 449. Title**                    **A novel combinational library of 3-substituted amino -3-glycosylated propanamides useful as antifungal and antibacterial agents**
- Inventor**                    **Rama Pati Tripathi, Praveen Kumar Shukla, Sudhir Sinha, Ranjana Srivastava, Kishore Kumar Srivastava, Vinita Chaturvedi, & Brahm Shankar Srivastava**
- Institute**                    **CDRI**
- Application. No.** 1274DEL2001    **Filing Date**    12/24/2001
- Patent No.**                196956            **Grant Date**    6/23/2006
- Country**                    **India**            **Status**            LP/2010
- 
- 450. Title**                    **A process for the preparation of novel 6-[(cycloalkylphenyl) vinyl ] -1,2,4-trioxanes useful as antimalarial agents**
- Inventor**                    **Chandan Singh, Pallvi Tiwari & Sunil Kumar Puri**
- Institute**                    **CDRI**
- Application. No.** 1303DEL2001    **Filing Date**    12/31/2001
- Patent No.**                192963            **Grant Date**    1/20/2006
- Country**                    **India**            **Status**            IF/2008
- 
- 451. Title**                    **Novel 6-[(cycloalkylphenyl) vinyl ] -1,2,4-trioxanes useful as antimalarial agents**
- Inventor**                    **Chandan Singh, Pallvi Tiwari & Sunil Kumar Puri**
- Institute**                    **CDRI**
- Application. No.** 1311DEL2001    **Filing Date**    12/31/2001
- Patent No.**                231654            **Grant Date**    3/7/2009
- Country**                    **India**            **Status**            PP/UE
- 
- 452. Title**                    **An improved process for preparation of pentasubstituted pyridines**
- Inventor**                    **Devi Prasad Sahu, Hira Lal Sharma & Abdul Haq Ansari**
- Institute**                    **CDRI**
- Application. No.** 0162DEL2002    **Filing Date**    2/28/2002
- Patent No.**                195684            **Grant Date**    4/21/2006
- Country**                    **India**            **Status**            IF/2008
- 
- 453. Title**                    **A process for the preparation of novel combinational library of N1-glycosylated and N3 - substituted ureas and thioureas useful as antitubercular agents**
- Inventor**                    **Rama Pati Tripathi, Vinod Kumar Tiwari, Ram Chandra Misra, Ranjana Srivastava, Kishore Kumar Srivastava,**

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### Patents Filed/ Granted

**Anil Kumar Srivastava, Vinita Chaturvedi, Sudhir Sinha & Brahm Shankar Srivastava**

<b>Institute</b>	CDRI		
<b>Application. No.</b>	0264DEL2002	<b>Filing Date</b>	3/20/2002
<b>Patent No.</b>	199556	<b>Grant Date</b>	10/6/2006
<b>Country</b>	India	<b>Status</b>	IF/2009

**454. Title**                      **New herbal composition for treating gastric ulcer**  
**Inventor**                      **Janaswamy Madhusudhana Rao, Upparapally  
Sampathkumar, Boggavarapu Subrahmanya Sastry, Jhillu  
Singh Yadav, Kondapuram Vijaya Raghavan, Gautam  
Palit, Deepak Rai, Madhu Dikshit, Panniyampally  
Madhavankutty Varier, Trikovil Sankaran Muraleedharan  
& Kollath Mur**

<b>Institute</b>	IICT+CDRI		
<b>Application. No.</b>	10/103738	<b>Filing Date</b>	3/25/2002
<b>Patent No.</b>	6855347	<b>Grant Date</b>	2/15/2005
<b>Country</b>	United States	<b>Status</b>	IF

**455. Title**                      **A process for the preparation of polypeptide useful as  
antiallergic, antiasthmatic and anticomplementary agent**  
**Inventor**                      **Bijoy Kundu, Kamlesh Chandra Agarwal, Sanjay kumar  
Khare , Rashmi Singh , Amarnath Anil Kumar Dwivedi ,  
Satyawan Singh , PremPrakash Gupta**

<b>Institute</b>	CDRI		
<b>Application. No.</b>	02-252133.0	<b>Filing Date</b>	3/25/2002
<b>Patent No.</b>	1348714	<b>Grant Date</b>	1/3/2007
<b>Country</b>	Europe	<b>Status</b>	AB/SD EMAIL DT. 11OCT2006

**456. Title**                      **Novel 6-[(substituted biphenyl) vinyl] -1,2,4-trioxanes,  
useful as antimalarial agents**

**Inventor**                      **Chandan Singh, Sunil Kumar Puri & Pallavi Tiwari**

<b>Institute</b>	CDRI		
<b>Application. No.</b>	0297DEL2002	<b>Filing Date</b>	3/26/2002
<b>Patent No.</b>	195824	<b>Grant Date</b>	4/21/2006
<b>Country</b>	India	<b>Status</b>	IF/2009

**457. Title**                      **Substituted 1,2,4-trioxanes useful as antimalarial agents  
and a process for the preparation thereof**

**Inventor**                      **Chandan Singh, Pallvi Tiwari & Sunil Kumar Puri**

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### Patents Filed/ Granted

	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	200301530-2	<b>Filing Date</b>	3/28/2002
	<b>Patent No.</b>	95729	<b>Grant Date</b>	1/31/2008
	<b>Country</b>	Singapore	<b>Status</b>	PP
<b>458.</b>	<b>Title</b>	<b>Substituted 1,2,4-trioxanes as antimalarial agents and a process of producing the substituted 1,2,4-Trioxanes</b>		
	<b>Inventor</b>	<b>Chandan Singh, Pallvi Tiwari &amp; Sunil Kumar Puri</b>		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	10/113205	<b>Filing Date</b>	3/28/2002
	<b>Patent No.</b>	6737438	<b>Grant Date</b>	5/18/2004
	<b>Country</b>	United States	<b>Status</b>	IF
<b>459.</b>	<b>Title</b>	<b>Novel synthesis of organic carbamates</b>		
	<b>Inventor</b>	<b>Devdutt Chaturvedi, Atul Kumar, Reema Rastogi &amp; Suprabhat Ray</b>		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	0774DEL2002	<b>Filing Date</b>	7/25/2002
	<b>Patent No.</b>	233980	<b>Grant Date</b>	4/24/2009
	<b>Country</b>	India	<b>Status</b>	LP/2010
<b>460.</b>	<b>Title</b>	<b>Synergistic anti - malarial formulation</b>		
	<b>Inventor</b>	<b>Guru Prakash Dutta, Dharam Chand Jain, Ranjendra Singh Bhakuni, Sudhanshu Saxena, Sangeeta Dhawan, Suman Preet Singh Khanuja, Sushil Kumar, Renu Tripathi, Aseem Umesh, Nuzhat Kamal, Anil Kumar Dwivedi, Satyawar Singh</b>		
	<b>Institute</b>	CIMAP+CDRI		
	<b>Application. No.</b>	2002/8485	<b>Filing Date</b>	9/30/2002
	<b>Patent No.</b>	2002/8485	<b>Grant Date</b>	12/31/2003
	<b>Country</b>	South Africa	<b>Status</b>	IF
<b>461.</b>	<b>Title</b>	<b>Synergistic anti - malarial formulation</b>		
	<b>Inventor</b>	<b>Guru Prakash Dutta, Dharam Chand Jain, Ranjendra Singh Bhakuni, Sudhanshu Saxena, Sangeeta Dhawan, Suman Preet Singh Khanuja, Sushil Kumar, Renu Tripathi, Aseem Umesh, Nuzhat Kamal, Anil Kumar Dwivedi, Satyawar Singh</b>		
	<b>Institute</b>	CIMAP+CDRI		
	<b>Application. No.</b>	12873	<b>Filing Date</b>	9/30/2002

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### Patents Filed/ Granted

Patent No.	12873	Grant Date	2/16/2004
Country	Sri Lanka	Status	IF
462. Title	A process for the preparation of novel N1, NN-diglycosylated diaminoalcohol useful in chemotherapy of tubercular infections		
Inventor	Rama Pati Tripathi, Vinod Kumar Tiwari, Neetu Tiwari, Ranjana Srivastava, Anil Kumar Srivastava, Vinita Chaturvedi, Kishore Kumar Srivastava, Sudhir Sinha & Brahm Shankar Srivastava		
Institute	CDRI		
Application. No.	0998DEL2002	Filing Date	9/30/2002
Patent No.	199829	Grant Date	9/28/2007
Country	India	Status	LP/2010
463. Title	Synergistic anti - malarial formulation		
Inventor	Guru Prakash Dutta, Dharam Chand Jain, Ranjendra Singh Bhakuni, Sudhanshu Saxena, Sangeeta Dhawan, Suman Preet Singh Khanuja, Sushil Kumar, Renu Tripathi, Aseem Umesh, Nuzhat Kamal, Anil Kumar Dwivedi, Satyawan Singh		
Institute	CIMAP+CDRI		
Application. No.	PI 20023694	Filing Date	10/3/2002
Patent No.	MY-137775-A	Grant Date	3/31/2009
Country	Myanmar	Status	PP
464. Title	An improved process for the synthesis of guggulsterones: a pharmacologically active constituent of gugulipid		
Inventor	Ram Pratap, Dharmendra Pratap Singh, Raghwendra Pal & Satyawan Singh		
Institute	CDRI		
Application. No.	0780DEL2001	Filing Date	10/16/2002
Patent No.	226206	Grant Date	12/11/2008
Country	India	Status	PP/UE
465. Title	A process for resolution of R-and S-centpropazine[2R- & 2S-1-(4-proiononyphenoxy)-3-(N4-pphenylpiperazinyl)-propane-2-ol].		
Inventor	Devi Prasad Sahu, Shri Niwas Rastogi & Kamlesh Chandra Agarwal		

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### Patents Filed/ Granted

- |                         |             |                    |           |
|-------------------------|-------------|--------------------|-----------|
| <b>Institute</b>        | CDRI        | <b>Filing Date</b> | 12/9/2002 |
| <b>Application. No.</b> | 1226DEL2002 | <b>Grant Date</b>  | 8/4/2006  |
| <b>Patent No.</b>       | 196914      | <b>Status</b>      | IF/2008   |
| <b>Country</b>          | India       |                    |           |
- 466. Title**                    **A process for the preparation of R-and S-centpropazine[2R- & 2S-1-(4-proiononyphenoxy)-3-(N4-phenylpiperazinyl)-propane-2-ol].**
- Inventor**                    **Devi Prasad Sahu, Shri Niwas Rastogi, Kamlesh Chandra Agarwal & Ram Raghbir**
- |                         |             |                    |           |
|-------------------------|-------------|--------------------|-----------|
| <b>Institute</b>        | CDRI        | <b>Filing Date</b> | 12/9/2002 |
| <b>Application. No.</b> | 1227DEL2002 | <b>Grant Date</b>  | 4/21/2006 |
| <b>Patent No.</b>       | 195817      | <b>Status</b>      | IF/2008   |
| <b>Country</b>          | India       |                    |           |
- 467. Title**                    **Herbal medicaments for the treatment of neurocerebrovascular disorders**
- Inventor**                    **Madhur Ray, Raghwendra Pal, Satyawar Singh & Nandoo Mal Khanna**
- |                         |               |                    |            |
|-------------------------|---------------|--------------------|------------|
| <b>Institute</b>        | CDRI          | <b>Filing Date</b> | 12/13/2002 |
| <b>Application. No.</b> | 10/319373     | <b>Grant Date</b>  | 1/31/2006  |
| <b>Patent No.</b>       | 6991814       | <b>Status</b>      | IF         |
| <b>Country</b>          | United States |                    |            |
- 468. Title**                    **(-)-3S, 4S-trans -2,2- dialkyl -3-substituted phenyl-4-(hydroxy substituted phenyl)- substituted chroman derivatives as useful intermediates for the synthesis of selective estrogen modulators**
- Inventor**                    **Atul Kumar, Sangita & Suprabhat Ray**
- |                         |             |                    |           |
|-------------------------|-------------|--------------------|-----------|
| <b>Institute</b>        | CDRI        | <b>Filing Date</b> | 3/10/2003 |
| <b>Application. No.</b> | 0260DEL2003 | <b>Grant Date</b>  | 3/30/2009 |
| <b>Patent No.</b>       | 233470      | <b>Status</b>      | PP        |
| <b>Country</b>          | India       |                    |           |
- 469. Title**                    **Method of treating hyperlipidemic and hyperglycemic conditions in mammals using pregnadienols and pregnadienones**
- Inventor**                    **Ram Pratap, Ram Chandra Gupta, Ramesh Chander, Ashok Kumar Khanna, Arvind Kumar Srivastava, Deepak Raina, Savita Srivastava, Anil Kumar Rastogi, Omkar**

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### Patents Filed/ Granted

**Prasad Asthana, Swarna Nityanand, Sukh Dev , Nitya Anand, Narendra Kumar Kapoor, Ashim Ghatak, & Satyawa**

- |                         |               |                    |           |
|-------------------------|---------------|--------------------|-----------|
| <b>Institute</b>        | CDRI          |                    |           |
| <b>Application. No.</b> | 10/385936 DIV | <b>Filing Date</b> | 3/14/2003 |
| <b>Patent No.</b>       | 6875758       | <b>Grant Date</b>  | 4/5/2005  |
| <b>Country</b>          | United States | <b>Status</b>      | IF        |
- 
- 470. Title** (-)-3R, 4R-trans -2,2- dialkyl -3-substituted phenyl-4-(hydroxy substituted phenyl)- substituted chroman derivatives as useful intermediates for the synthesis of selective estrogen modulators
- |                         |   |                    |           |
|-------------------------|---|--------------------|-----------|
| <b>Inventor</b>         | Atul Kumar, Sangita, Suprabhat Ray & Devi Prasad Sahu |                    |           |
| <b>Institute</b>        | CDRI  |                    |           |
| <b>Application. No.</b> | 0305DEL2003   | <b>Filing Date</b> | 3/17/2003 |
| <b>Patent No.</b>       | 225322  | <b>Grant Date</b>  | 11/7/2008 |
| <b>Country</b>          | India   | <b>Status</b>      | PP        |
- 
- 471. Title** Process for preparing guggulsterones
- Inventor** Ram Pratap, Dharmendra Pratap Singh, Raghwendra Pal & Satyawan Singh
- |                         |               |                    |           |
|-------------------------|---------------|--------------------|-----------|
| <b>Institute</b>        | CDRI          |                    |           |
| <b>Application. No.</b> | 10/393408     | <b>Filing Date</b> | 3/20/2003 |
| <b>Patent No.</b>       | 7365218       | <b>Grant Date</b>  | 4/29/2008 |
| <b>Country</b>          | United States | <b>Status</b>      | PP        |
- 
- 472. Title** Substituted 1,2,4-trioxanes useful as antimalarial agents and a process for the preparation thereof
- Inventor** Chandan Singh, Pallvi Tiwari & Sunil Kumar Puri
- |                         |              |                    |            |
|-------------------------|--------------|--------------------|------------|
| <b>Institute</b>        | CDRI         |                    |            |
| <b>Application. No.</b> | 2003/2453    | <b>Filing Date</b> | 3/28/2003  |
| <b>Patent No.</b>       | 2003/2453    | <b>Grant Date</b>  | 10/27/2004 |
| <b>Country</b>          | South Africa | <b>Status</b>      | IF         |
- 
- 473. Title** Novel 6-[(cycloalkylphenyl) vinyl ] -1,2,4-trioxanes useful as antimalarial agents
- Inventor** Chandan Singh, Pallvi Tiwari & Sunil Kumar Puri
- |                         |                 |                    |           |
|-------------------------|-----------------|--------------------|-----------|
| <b>Institute</b>        | CDRI            |                    |           |
| <b>Application. No.</b> | AP/P/2003/02772 | <b>Filing Date</b> | 3/28/2003 |
| <b>Patent No.</b>       | AP1546          | <b>Grant Date</b>  | 1/13/2006 |

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Country	ARIPO	Status	IF	
474.	<b>Title</b> <b>Inventor</b> <b>Institute</b> <b>Application. No.</b> <b>Patent No.</b> <b>Country</b>	<b>Substituted 1,2,4-trioxanes useful as antimalarial agents and a process for the preparation thereof</b> <b>Chandan Singh, Pallvi Tiwari &amp; Sunil Kumar Puri</b> CDRI 318.2003 4960 Peru	<b>Filing Date</b> <b>Grant Date</b> <b>Status</b>	3/28/2003 4/15/2008 PP
475.	<b>Title</b> <b>Inventor</b> <b>Institute</b> <b>Application. No.</b> <b>Patent No.</b> <b>Country</b>	<b>Substituted 1,2,4-trioxanes useful as antimalarial agents and a process for the preparation thereof</b> <b>Chandan Singh, Pallvi Tiwari &amp; Sunil Kumar Puri</b> CDRI 1-2003-500187 1-2003-500187 Philippines	<b>Filing Date</b> <b>Grant Date</b> <b>Status</b>	3/28/2003 10/19/2007 PP
476.	<b>Title</b> <b>Inventor</b> <b>Institute</b> <b>Application. No.</b> <b>Patent No.</b> <b>Country</b>	<b>Substituted 1,2,4-trioxanes useful as antimalarial agents and a process for the preparation thereof</b> <b>Chandan Singh, Pallvi Tiwari &amp; Sunil Kumar Puri</b> CDRI 84/2003 1004127 Bangladesh	<b>Filing Date</b> <b>Grant Date</b> <b>Status</b>	3/29/2003 7/29/2005 PP
477.	<b>Title</b> <b>Inventor</b> <b>Institute</b> <b>Application. No.</b> <b>Patent No.</b> <b>Country</b>	<b>Substituted 1,2,4-trioxanes useful as antimalarial agents and a process for the preparation thereof</b> <b>Chandan Singh, Pallvi Tiwari &amp; Sunil Kumar Puri</b> CDRI 028025237 ZL2802523.7 China	<b>Filing Date</b> <b>Grant Date</b> <b>Status</b>	3/31/2003 1/28/2009 PP
478.	<b>Title</b> <b>Inventor</b>	<b>Novel 1-(4-aryl) heteroaryl piperazin/ piperidin -1-yl) -N-(quinaloxy- 6/7/8 -yl/4- (un) substituted pyrrolidin -2- oxo-l-yl) alkanes/ alkanones and their salts</b> <b>Suresh Kumar Pandey, Alpana Srivastava, Keshav Kishor Awasthi, Ravish Chandra Tripathi, Shekar Srivastava,</b>		

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### Patents Filed/ Granted

		<b>Jharna Arun, Ram Mohan Saxena, Madhur Ray, Rakesh Shukla, Mangal Prasad Dubey &amp; Anil Kumar Saxena</b>		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	0910DEL2003	<b>Filing Date</b>	7/22/2003
	<b>Patent No.</b>	242145	<b>Grant Date</b>	8/16/2010
	<b>Country</b>	India	<b>Status</b>	PP/IO
<b>479.</b>	<b>Title</b>	<b>An improved process for racemization of [1S,2S-2-amino-1-(4- nitro phenyl)-1, 3- propanediol]</b>		
	<b>Inventor</b>	<b>Devi Prasad Sahu</b>		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	0992DEL2003	<b>Filing Date</b>	8/12/2003
	<b>Patent No.</b>	217523	<b>Grant Date</b>	3/27/2008
	<b>Country</b>	India	<b>Status</b>	PP/IO
<b>480.</b>	<b>Title</b>	<b>Herbal extracts of Salicornia species, process of preparation thereof, use thereof against tuberculosis</b>		
	<b>Inventor</b>	<b>Meena Rajnikanth Rathod, Bhupendra Dhanvantrai Shethia, Jayant Batukrai Pandeya, Pushpito Kumar Ghosh, Prakash Jagjivanbhai Dodia, Brahm Shankar Srivastava, Ranjana Srivastava, Anil Srivastava, &amp; Vinita Chaturvedi</b>		
	<b>Institute</b>	CSMCRI+CDRI		
	<b>Application. No.</b>	1062DEL2003	<b>Filing Date</b>	8/28/2003
	<b>Patent No.</b>	227532	<b>Grant Date</b>	1/13/2009
	<b>Country</b>	India	<b>Status</b>	PP/IO
<b>481.</b>	<b>Title</b>	<b>Novel (3R,4R)- trans 3,4-diaryl chroman derivatives useful in fertility regulation and the prevention or treatment of estrogen related diseases or syndromes</b>		
	<b>Inventor</b>	<b>Sangita, Atul Kumar, Man Mohan Singh, Suprabhat Ray , Girish Kumar Jain,Surojeet Sengupta, Shikha Sharma , Rekha Ghosh, Md. Arshad, Anila Dwivedi, Anil K Balapure</b>		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	10/677116	<b>Filing Date</b>	9/30/2003
	<b>Patent No.</b>	7427686	<b>Grant Date</b>	9/23/2008
	<b>Country</b>	United States	<b>Status</b>	PP

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### Patents Filed/ Granted

- 482. Title**                    **Biodegradable, inhalable microparticles containing anti-tubercular drugs**
- Inventor**                    **HIMADRI SEN, SURYAKUMAR JAYANTHI, RAKESH SINHA, ROLEE SHARMA, PAWAN MUTTIL**
- Institute**                    **CDRI+LUPIN**
- Application. No.** IAP20060173                    **Filing Date**    10/22/2003
- Patent No.**                    9878                    **Grant Date**    4/28/2008
- Country**                    **Uzbekistan**                    **Status**
- 
- 483. Title**                    **Biodegradable, inhalable microparticles containing anti-tubercular drugs**
- Inventor**                    **Amit Mishra, Himadri Sen, Suryakumar, Rakesh Sinha & Rolee Sharma**
- Institute**                    **CDRI + Lupin**
- Application. No.** a200605416                    **Filing Date**    10/22/2003
- Patent No.**                    86600                    **Grant Date**    5/12/2009
- Country**                    **Ukraine**                    **Status**
- 
- 484. Title**                    **Biodegradable, inhalable microparticles containing anti-tubercular drugs**
- Inventor**                    **Himadri Sen, Surya Kumar Jayanthi, Rakesh Sinha, Rolee Sharma & Pavan Muttill**
- Institute**                    **CDRI**
- Application. No.** 1200600134                    **Filing Date**    10/22/2003
- Patent No.**                    13318                    **Grant Date**    12/29/2006
- Country**                    **OAPI**                    **Status**
- 
- 485. Title**                     **$\alpha$ -substituted naphthyloxy omega-substituted alky/aryl amino-substituted alkane derivatives as agent for treatment or prophylaxis of diabetes and related metabolic disorders**
- Inventor**                    **Devdutt Chaturvedi, Atul Kumar, Reema Rastogi, Arvind Srivastava, Priti Tewari, Rehan Ahmed, Ramesh Chander, Anju Puri, swati gupta Bhatia, Ferhan Rizvi, Anil Kumar Rastogi & Suprabhat Ray**
- Institute**                    **CDRI**
- Application. No.** 10/693098                    **Filing Date**    10/27/2003
- Patent No.**                    7081465                    **Grant Date**    7/25/2006
- Country**                    **United States**                    **Status**                    **IF**
- 
- 486. Title**                    **Novel herbal composition for the treatment of gastric ulcer**

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### Patents Filed/ Granted

<b>Inventor</b>	<b>Janaswamy Madhusudhana Rao, Upparapally Sampathkumar, Boggavarapu Subrahmanya Sastry, Jhillu Singh Yadav, Kondapuram Vijaya Raghavan, Gautam Palit, Deepak Rai, Panniyampally Madhavankutty Varier, Trikovil Sankaran Muraleedharan &amp; Kollath Muraleedharan Ary</b>		
<b>Institute</b>	IICT+CDRI		
<b>Application. No.</b>	10/695471	<b>Filing Date</b>	10/28/2003
<b>Patent No.</b>	7651705	<b>Grant Date</b>	1/26/2010
<b>Country</b>	United States	<b>Status</b>	PP
<b>487. Title</b>	<b>Novel herbal composition for the treatment of gastric ulcer</b>		
<b>Inventor</b>	<b>Janaswamy Madhusudana Rao, Upparapalli Sampath Kumar, Boggavarapu Subrahmanya Sastry, Jhillu Singh Yadav, Kondapuram Vijaya Raghavan, Gautam Palit, Dwaraka Nath Bhalla, Deepak Rai, Panniyampally Madhavankutty Varier, Trikovil Sankaran Muraleedharan, Kol</b>		
<b>Institute</b>	IICT+CDRI		
<b>Application. No.</b>	1340DEL2003	<b>Filing Date</b>	10/30/2003
<b>Patent No.</b>	221610	<b>Grant Date</b>	6/27/2008
<b>Country</b>	India	<b>Status</b>	PP
<b>488. Title</b>	<b><math>\alpha</math> substituted naphthyloxy-W- substituted alkyl/aryl amino substituted alkane derivatives as agents for the treatment or prophylaxis of diabetes and related metabolic disorders</b>		
<b>Inventor</b>	<b>Devdutt Chaturvedi, Atul Kumar, Reema Rastogi, Arvind Srivastava, Preeti Tewari, Rehan Ahmad, Ramesh Chander, Anju Puri, Geetika Bhatia, Farhan Rizvi, Anil Kumar Rastogi &amp; Suprabhat Ray</b>		
<b>Institute</b>	CDRI		
<b>Application. No.</b>	1364DEL2003	<b>Filing Date</b>	11/6/2003
<b>Patent No.</b>	234487	<b>Grant Date</b>	6/1/2009
<b>Country</b>	India	<b>Status</b>	PP
<b>489. Title</b>	<b>(3R,4R)- trans-3,4-diaryl chroman derivatives and a method for the prevention and/or treatment of estrogen dependent diseases</b>		
<b>Inventor</b>	<b>Sangita, Atul Kumar, Man Mohan Singh, Suprabhat Ray &amp; Girish Kumar Jain</b>		
<b>Institute</b>	CDRI		

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### Patents Filed/ Granted

	<b>Application. No.</b>	1367DEL2003	<b>Filing Date</b>	11/6/2003
	<b>Patent No.</b>	223231	<b>Grant Date</b>	9/8/2008
	<b>Country</b>	India	<b>Status</b>	PP
<b>490.</b>	<b>Title</b>	Novel N- phenoxypropanolyl-N'-phenethyl-urea/thiourea derivatives as appetite suppressant		
	<b>Inventor</b>	Kalpana Bhandari, Shipra Srivastava & Chandishwar Nath		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	1533DEL2003	<b>Filing Date</b>	12/11/2003
	<b>Patent No.</b>	222834	<b>Grant Date</b>	8/26/2008
	<b>Country</b>	India	<b>Status</b>	PP
<b>491.</b>	<b>Title</b>	Mercapto-phenyl-naphthyl-methane derivatives and preparation thereof		
	<b>Inventor</b>	Sangita, Atul Kumar, Man Mohan Singh, Suprabhat Ray, Puvvada Sri Ramachandra Murthy & Girish Kumar Jain		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	PCT/IB03/006247	<b>Filing Date</b>	12/23/2003
	<b>Patent No.</b>	2004087644	<b>Grant Date</b>	
	<b>Country</b>	PCT Countries	<b>Status</b>	PP
<b>492.</b>	<b>Title</b>	A one pot synthesis of carbamate esters using Mitsunobu's reagent		
	<b>Inventor</b>	Devdutt Chaturvedi & Suprabhat Ray		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	0394DEL2004	<b>Filing Date</b>	3/8/2004
	<b>Patent No.</b>	239942	<b>Grant Date</b>	4/13/2010
	<b>Country</b>	India	<b>Status</b>	PP
<b>493.</b>	<b>Title</b>	Process for isolation of saponin disogenin penta glycoside		
	<b>Inventor</b>	Vijay Lakshmi, Kartikay Pandey, Raja Roy, Bhawani Shanker Joshi, Kunnath Padmanabhan Madhusudanan, Ramesh Chander, Arvind Kumar Srivastava, Deepak Raina & Anil Kumar Rastogi		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	10/806065	<b>Filing Date</b>	3/22/2004
	<b>Patent No.</b>	7160866	<b>Grant Date</b>	1/9/2007
	<b>Country</b>	United States	<b>Status</b>	IF/PUB

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### Patents Filed/ Granted

- 494. Title** N-aryloxypropanolyl-N'-phenethyl-urea  
**Inventor** Kalpana Bhandari, Shipra Srivastava & Chandishwar Nath  
**Institute** CDRI  
**Application. No.** 10/811296 **Filing Date** 3/26/2004  
**Patent No.** 6962945 **Grant Date** 11/8/2005  
**Country** United States **Status** IF
- 495. Title** Substituted mercapto phenyl naphthyl methane derivatives as SERM for the prevention and treatment of osteoporosis and other estrogen dependent disorders and as contraceptives  
**Inventor** Sangita, Atul Kumar, Man Mohan Singh, Suprabhat Ray, Puvvada Sri Ramachandra Murthy & Girish Kumar Jain  
**Institute** CDRI  
**Application. No.** 10/809845 **Filing Date** 3/26/2004  
**Patent No.** 7250446 **Grant Date** 7/31/2007  
**Country** United States **Status** PP
- 496. Title** A novel combinatorial library of 3-substituted amino -3-glycosylated propanoates useful as antifungal and antibacterial agents  
**Inventor** Rama Pati Tripathi, Bijoy Kundu, Praveen Kumar Shukla, Sudhir Sinha, Ranjana Srivastava, Kishore Kumar Srivastava, Vinita Chaturvedi, Anil Srivastava & Brahm Shankar Srivastava  
**Institute** CDRI  
**Application. No.** 0716DEL2004 **Filing Date** 4/15/2004  
**Patent No.** 242121 **Grant Date** 12/8/2010  
**Country** India **Status** PP
- 497. Title** Herbal medicaments for treatment of neurocerebrovascular disorders  
**Inventor** Madhur Ray, Raghwendra Pal, Satyawan Singh & Nandoo Mal Khanna  
**Institute** CDRI  
**Application. No.** 2004/4648 **Filing Date** 6/11/2004  
**Patent No.** 2004/4648 **Grant Date** 11/30/2005  
**Country** South Africa **Status** IF

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### Patents Filed/ Granted

- 498. Title**                    **Herbal medicaments for treatment of neurocerebrovascular disorders**
- Inventor**                    **Madhur Ray, Raghwendra Pal, Satyawan Singh & Nandoo Mal Khanna**
- Institute**                    **CDRI**
- Application. No.** 200403387-4      **Filing Date**    6/11/2004
- Patent No.**                    104797              **Grant Date**    1/31/2008
- Country**                    **Singapore**              **Status**            PP
- 
- 499. Title**                    **A composition for treating neurocerebrovascular disorders**
- Inventor**                    **Ray M, Pal R, Singh S & Khanna NM**
- Institute**                    **CDRI + Lupin**
- Application. No.** PA/A/2004/05680      **Filing Date**    6/11/2004
- Patent No.**                    266702              **Grant Date**    5/13/2009
- Country**                    **Mexico**                **Status**
- 
- 500. Title**                    **Herbal medicaments for treatment of neurocerebrovascular disorders**
- Inventor**                    **Madhur Ray, Raghwendra Pal, Satyawan Singh & Nandoo Mal Khanna**
- Institute**                    **CDRI**
- Application. No.** 2781641.20      **Filing Date**    6/15/2004
- Patent No.**                    1453528              **Grant Date**    7/22/2009
- Country**                    **Europe**                **Status**            PP
- 
- 501. Title**                    **Herbal medicaments for treatment of neurocerebrovascular disorders**
- Inventor**                    **Madhur Ray, Raghwendra Pal, Satyawan Singh & Nandoo Mal Khanna**
- Institute**                    **CDRI**
- Application. No.** 2004-060              **Filing Date**    7/2/2004
- Patent No.**                    5284                **Grant Date**    11/25/2005
- Country**                    **Lithuania**              **Status**            IF
- 
- 502. Title**                    **Herbal medicaments for treatment of neurocerebrovascular disorders**
- Inventor**                    **Madhur Ray, Raghwendra Pal, Satyawan Singh & Nandoo Mal Khanna**
- Institute**                    **CDRI**

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	<b>Application. No.</b>	2004705723	<b>Filing Date</b>	7/13/2004
	<b>Patent No.</b>	82057	<b>Grant Date</b>	3/11/2008
	<b>Country</b>	Ukraine	<b>Status</b>	PP
<b>503.</b>	<b>Title</b>	<b>Herbal medicaments for treatment of neurocerebrovascular disorders</b>		
	<b>Inventor</b>	<b>Madhur Ray, Raghwendra Pal, Satyawan Singh &amp; Nandoo Mal Khanna</b>		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	P-04-78	<b>Filing Date</b>	7/13/2004
	<b>Patent No.</b>	13250	<b>Grant Date</b>	2/20/2006
	<b>Country</b>	Latvia	<b>Status</b>	IF
<b>504.</b>	<b>Title</b>	<b>Herbal medicaments for treatment of neurocerebrovascular disorders</b>		
	<b>Inventor</b>	<b>Madhur Ray, Raghwendra Pal, Satyawan Singh &amp; Nandoo Mal Khanna</b>		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	200400807	<b>Filing Date</b>	7/13/2004
	<b>Patent No.</b>	007067	<b>Grant Date</b>	6/30/2006
	<b>Country</b>	Eurasian Patent	<b>Status</b>	IF/PUB
<b>505.</b>	<b>Title</b>	<b>Herbal medicaments for treatment of neurocerebrovascular disorders</b>		
	<b>Inventor</b>	<b>Madhur Ray, Raghwendra Pal, Satyawan Singh &amp; Nandoo Mal Khanna</b>		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>		<b>Filing Date</b>	7/13/2004
	<b>Patent No.</b>	ZL2827077	<b>Grant Date</b>	8/19/2009
	<b>Country</b>	China	<b>Status</b>	PP
<b>506.</b>	<b>Title</b>	<b>Herbal medicaments for treatment of neurocerebrovascular disorders</b>		
	<b>Inventor</b>	<b>Madhur Ray, Raghwendra Pal, Satyawan Singh &amp; Nandoo Mal Khanna</b>		
	<b>Institute</b>	CDRI		
	<b>Application. No.</b>	AP 2002 005642	<b>Filing Date</b>	7/14/2004
	<b>Patent No.</b>	GEP20084442B	<b>Grant Date</b>	8/10/2008
	<b>Country</b>	Georgia	<b>Status</b>	PP

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### Patents Filed/ Granted

- 507. Title**                    **A composition for treating neurocerebrovascular disorders**  
**Inventor**                    **Madhur Ray, Raghwendra Pal, Satyawan Singh & Nandoo Mal Khanna**  
**Institute**                    **CDRI**  
**Application. No.** 02838DELNP2004 **Filing Date** 9/22/2004  
**Patent No.** 229247                    **Grant Date** 2/16/2009  
**Country**                    **India**                    **Status**                    **PP**
- 508. Title**                    **Novel substituted 1,2,4-trioxanes**  
**Inventor**                    **Chandan Singh, Sunil Kumar Puri & Pallavi Tiwari**  
**Institute**                    **CDRI**  
**Application. No.** 2057DEL2004    **Filing Date** 10/20/2004  
**Patent No.** 227863                    **Grant Date** 1/22/2009  
**Country**                    **India**                    **Status**                    **PP**
- 509. Title**                    **Substituted carbamic acid quinolin-6-yl esters as acetylcholinesterase inhibitors**  
**Inventor**                    **Neeraj Shakya , Zeeshan Fatima , C Nath , Anil Kumar Saxena**  
**Institute**                    **CDRI**  
**Application. No.** 11/022924                    **Filing Date** 12/24/2004  
**Patent No.** 7655801                    **Grant Date** 2/2/2010  
**Country**                    **United States**                    **Status**                    **PP**
- 510. Title**                    **Amino-functionalized 1,2,4-trioxanes useful as antimalarial agents and process for preparation thereof**  
**Inventor**                    **Chandan Singh, Heetika Malik & Sunil Kumar Puri**  
**Institute**                    **CDRI**  
**Application. No.** 11/023905                    **Filing Date** 12/28/2004  
**Patent No.** 7071226                    **Grant Date** 7/4/2006  
**Country**                    **United States**                    **Status**                    **IF**
- 511. Title**                    **Substituted carbamic acid quinolin-6-yl esters as acetylcholinesterase inhibitors**  
**Inventor**                    **Neeraj Shakya , Zeeshan Fatima , C Nath , Anil Kumar Saxena**  
**Institute**                    **CDRI**  
**Application. No.** 4816679.70                    **Filing Date** 12/28/2004  
**Patent No.** 1831172                    **Grant Date** 2/18/2009

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### Patents Filed/ Granted

Country	Europe	Status	PP
<b>512.</b>	<b>Title</b>	<b>Oxy substituted flavones/chalcones as antihyperglycemic and antidyslipidemic agents</b>	
	<b>Inventor</b>	<b>Ram Pratap, Mavurapu Satyanarayan, Chandishwar Nath, Ram Raghubir, Anju Puri, Ramesh Chander, Preeti Tiwari, Brajendra Kumar Tripathi &amp; Arvind Kumar Srivastava</b>	
	<b>Institute</b>	CDRI	
	<b>Application. No.</b>	11/052833	<b>Filing Date</b> 2/9/2005
	<b>Patent No.</b>	7635779	<b>Grant Date</b> 12/22/2009
	<b>Country</b>	<b>United States</b>	<b>Status</b> PP
<b>513.</b>	<b>Title</b>	<b>Novel amino functionalized 1,2,4-trioxanes useful as antimalarial agents and a process for the preparation thereof</b>	
	<b>Inventor</b>	<b>Chandan Singh, Heetika Malik &amp; Sunil Kumar</b>	
	<b>Institute</b>	CDRI	
	<b>Application. No.</b>	01282DELNP2005	<b>Filing Date</b> 3/31/2005
	<b>Patent No.</b>	240677	<b>Grant Date</b> 5/26/2010
	<b>Country</b>	<b>India</b>	<b>Status</b> PP
<b>514.</b>	<b>Title</b>	<b>Substituted carbamic acid quinolin-6-yl esters as acetylcholinesterase inhibitors</b>	
	<b>Inventor</b>	<b>Neeraj Shakya, Zeeshan Fatima, Chandishwar Nath &amp; Anil Kumar Saxena</b>	
	<b>Institute</b>	CDRI	
	<b>Application. No.</b>	01278DELNP2005	<b>Filing Date</b> 3/31/2005
	<b>Patent No.</b>	241999	<b>Grant Date</b> 5/8/2010
	<b>Country</b>	<b>India</b>	<b>Status</b> PP
<b>515.</b>	<b>Title</b>	<b>Process for preparing guggulsterones</b>	
	<b>Inventor</b>	<b>Ram Pratap, Dharmendra Pratap Singh, Raghwendra Pal &amp; Satyawar Singh</b>	
	<b>Institute</b>	CDRI	
	<b>Application. No.</b>	2512508.00	<b>Filing Date</b> 6/30/2005
	<b>Patent No.</b>	2512508	<b>Grant Date</b> 6/9/2009
	<b>Country</b>	<b>Canada</b>	<b>Status</b> PP

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### Patents Filed/ Granted

- 516. Title**                    **An improved process for the synthesis of guggulsterones: A pharmacologically active constituent of gugalipid**
- Inventor**                    **Ram Pratap, Dharmendra Pratap Singh, Raghwendra Pal & Satyawan Singh**
- Institute**                    **CDRI**
- Application. No.** 0514808.5                    **Filing Date** 7/20/2005
- Patent No.** 2412373                    **Grant Date** 2/21/2007
- Country**                    **United Kingdom**                    **Status**                    **PP**
- 
- 517. Title**                    **Substituted mercapto phenyl naphthyl methane derivatives as SERM for the prevention and treatment of osteoporosis and other estrogen dependent disorders and as contraceptives**
- Inventor**                    **Sangita, Atul Kumar, Man Mohan Singh, Suprabhat Ray, Puvvada Sri Ramachandra Murthy & Girish Kumar Jain**
- Institute**                    **CDRI**
- Application. No.** 2524568                    **Filing Date** 11/2/2005
- Patent No.** 2524568                    **Grant Date**
- Country**                    **Canada**                    **Status**                    **PP**
- 
- 518. Title**                    **Substituted mercapto phenyl naphthyl methane derivatives as SERM for the prevention and treatment of osteoporosis and other estrogen dependent disorders and as contraceptives**  
**Substituted Mercapto Phenyl Naphthyl Methane Derivatives as SERM for the preventi**
- Inventor**                    **Sangita, Atul Kumar, Man Mohan Singh, Suprabhat Ray, Puvvada Sri Ramachandra Murthy & Girish Kumar Jain**
- Institute**                    **CDRI**
- Application. No.** 20030780487                    **Filing Date** 11/17/2005
- Patent No.** 10/23/6532                    **Grant Date** 9/23/2006
- Country**                    **Europe**                    **Status**                    **PP**
- 
- 519. Title**                    **Heterologous expression of trypanothione reductase from Leishmania donovani in a prokaryotic system**
- Inventor**                    **Neena Goyal & Mukul K. Mittal**
- Institute**                    **CDRI**
- Application. No.** 05373DELNP2005                    **Filing Date** 11/23/2005
- Patent No.** 237239                    **Grant Date** 12/10/2009
- Country**                    **India**                    **Status**                    **PP**

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### Patents Filed/ Granted

- 520. Title** Novel (3R,4R)- trans 3,4-diaryl chroman derivatives useful in fertility regulation and the prevention or treatment of estrogen related diseases or syndromes
- Inventor** Sangita, Atul Kumar, Man Mohan Singh, Suprabhat Ray , Girish Kumar Jain
- Institute** CDRI
- Application. No.** 200380110474.1 **Filing Date** 3/24/2006
- Patent No.** ZL200380110474.1 **Grant Date** 9/30/2009
- Country** China **Status** PP
- 
- 521. Title** Herbal extracts of Salicornia species, process of preparation thereof, use thereof against tuberculosis
- Inventor** Meena Rajnikanth Rathod, Bhupendra Dhanvantrai Shethia, Jayant Batukrai Pandya, Pushpito Kumar Ghosh, Prakash Jagjivanbhai Dodia, Brahm Shanker Srivastava, Ranjana Srivastava, Anil Srivastava, Chittar Mal Gupta & Vinita Chaturvedi
- Institute** CSMCRI+CDRI
- Application. No.** 2003259548.00 **Filing Date** 3/29/2006
- Patent No.** 2003259548 **Grant Date** 6/26/2008
- Country** Australia **Status**
- 
- 522. Title** Herbal extracts of Salicornia species, process of preparation thereof, use thereof against tuberculosis
- Inventor** Meena Rajnikanth Rathod, Bhupendra Dhanvantrai Shethia, Jayant Batukrai Pandya, Pushpito Kumar Ghosh, Prakash Jagjivanbhai Dodia, Brahm Shanker Srivastava, Ranjana Srivastava, Anil Srivastava, Chittar Mal Gupta & Vinita Chaturvedi
- Institute** CSMCRI+CDRI
- Application. No.** 3818407.30 **Filing Date** 3/29/2006
- Patent No.** 1684778 **Grant Date** 7/23/2008
- Country** Europe **Status**
- 
- 523. Title** Novel herbal compoition for the treatment of gastric ulcer
- Inventor** Janaswamy Madhusudhana Rao, Upparapally Sampathkumar, Boggavarapu Subrahmanya Sastry, Jhillu Singh Yadav, Kondapuram Vijaya Raghavan, Gautam Palit, Deepak Rai, Panniyampally Madhavankutty Varier, Trikovil Sankaran Muraleedharan & Kollath Muraleedharan Ary

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- |                         |                  |                    |           |
|-------------------------|------------------|--------------------|-----------|
| <b>Institute</b>        | IICT+CDRI        |                    |           |
| <b>Application. No.</b> | 200380110617.90  | <b>Filing Date</b> | 4/28/2006 |
| <b>Patent No.</b>       | ZL200380110617.9 | <b>Grant Date</b>  | 8/5/2009  |
| <b>Country</b>          | China            | <b>Status</b>      | PP        |
- 
524. **Title**                    **Alpha substituted naphthyloxy-W- substituted alkyl/aryl amino substituted alkane derivatives as agents for the treatment or prophylaxis of diabetes and related metabolic disorders**
- Inventor**                    **Devdutt Chaturvedi, Atul Kumar, Reema Rastogi, Arvind Srivastava, Priti Tewari, Rehan Ahmed, Ramesh Chander, Anju Puri, Geetika Bhatia, Ferhan Rizvi, Anil Kumar Rastogi & Suprabhat Ray**
- |                         |                 |                    |            |
|-------------------------|-----------------|--------------------|------------|
| <b>Institute</b>        | CDRI            |                    |            |
| <b>Application. No.</b> | 200380110723.70 | <b>Filing Date</b> | 5/19/2006  |
| <b>Patent No.</b>       | ZL200380110723  | <b>Grant Date</b>  | 12/31/2008 |
| <b>Country</b>          | China           | <b>Status</b>      | PP         |
- 
525. **Title**                    **Novel herbal composition for the treatment of gastric ulcer**
- Inventor**                    **Janaswamy Madhusudhana Rao, Upparapally Sampathkumar, Boggavarapu Subrahmanya Sastry, Jhillu Singh Yadav, Kondapuram Vijaya Raghavan, Gautam Palit, Deepak Rai, Panniyampally Madhavankutty Varier, Trikovil Sankaran Muraleedharan & Kollath Muraleedharan Ary**
- |                         |            |                    |           |
|-------------------------|------------|--------------------|-----------|
| <b>Institute</b>        | IICT+CDRI  |                    |           |
| <b>Application. No.</b> | 03769719.0 | <b>Filing Date</b> | 5/26/2006 |
| <b>Patent No.</b>       | 1684781    | <b>Grant Date</b>  | 2/11/2009 |
| <b>Country</b>          | Europe     | <b>Status</b>      | PP        |
- 
526. **Title**                    **Improved process for isolation of Bisvittoside D from sea cucumber**
- Inventor**                    **Vijay Lakshmi, Ajet Saxena, Kartikay Pandey, Kunnath Padmanabhan Madhusudanan, Mahendra Nath Srivastava, Zafar Kamal Khan, Pooja Jain, Gopal Gupta & Janak Dulari Dhar**
- |                         |           |                    |           |
|-------------------------|-----------|--------------------|-----------|
| <b>Institute</b>        | CDRI      |                    |           |
| <b>Application. No.</b> | 14131     | <b>Filing Date</b> | 6/20/2006 |
| <b>Patent No.</b>       | 14131     | <b>Grant Date</b>  | 4/30/2009 |
| <b>Country</b>          | Sri Lanka | <b>Status</b>      | PP        |

## Central Drug Research Institute

### Patents Filed/ Granted

- 527. Title** Process for isolation of saponin disogenin penta glycoside  
**Inventor** Vijay Lakshmi, Kartikay Pandey, Raja Roy, Bhawani Shanker Joshi, Kunnath Padmanabhan Madhusudanan, Ramesh Chander, Arvind Kumar Srivastava, Deepak Raina & Anil Kumar Rastogi  
**Institute** CDRI  
**Application. No.** 14128 **Filing Date** 6/20/2006  
**Patent No.** 14128 **Grant Date** 4/30/2009  
**Country** Sri Lanka **Status** PP
- 528. Title** Novel N-phenoxy propanolyl-N'-phenethyl-urea derivatives as appetite suppressant  
**Inventor** Kalpana Bhandari, Shipra Srivastava & Chandishwar Nath  
**Institute** CDRI  
**Application. No.** 0614760.7 **Filing Date** 7/25/2006  
**Patent No.** 2425310 **Grant Date** 4/16/2008  
**Country** United Kingdom **Status** PP
- 529. Title** Novel spiro 1,2,4 trioxanes as antimalarial agents and a process for the preparation thereof  
**Inventor** Chandan Singh, Heetika Malik & Sunil Kumar Puri  
**Institute** CDRI  
**Application. No.** 11/514453 **Filing Date** 9/1/2006  
**Patent No.** 7495025 **Grant Date** 2/24/2009  
**Country** United States **Status** PP
- 530. Title** Synergistic combination kits of  $\alpha$ ,  $\beta$ -arteether, sulfadoxin and pyrimethamine for the treatment of severe/multi-drug resistant cerebral malaria  
**Inventor** Renu Tripathi, Sunil Kumar Puri, Jagdishwar Sahai Srivastava, Satyawan Singh, Omkar Prasad Asthana, Anil Kumar Dwivedi  
**Institute** CDRI  
**Application. No.** 2007/06835 **Filing Date** 5/29/2007  
**Patent No.** 2007/6835 **Grant Date** 5/28/2008  
**Country** South Africa **Status** PP

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### Patents Filed/ Granted

- 531. Title** Novel mercaptophenyl naphthyl methane compounds and synthesis thereof
- Inventor** Sangita, Atul Kumar, Man Mohan Singh, Suprabhat Ray, Puvvada Sri Ramachandra Murthy & Girish Kumar Jain
- Institute** CDRI
- Application. No.** 11/812251      **Filing Date** 6/15/2007
- Patent No.** 7582653      **Grant Date** 9/1/2009
- Country** United States      **Status** PP
- 
- 532. Title** Herbal extracts of Salicornia species, process of preparation thereof, use thereof against tuberculosis
- Inventor** Meena Rajnikanth Rathod, Bhupendra Dhanvantrai Shethia, Jayant Batukrai Pandya, Pushpito Kumar Ghosh, Prakash J Dodia, Brahm Shanker Srivastava, Ranjana Srivastava, Anil Srivastava & Vinita Chaturvedi
- Institute** CSMCRI+CDRI
- Application. No.** 11/819220      **Filing Date** 6/26/2007
- Patent No.** 7442393      **Grant Date** 10/28/2008
- Country** United States      **Status**
- 
- 533. Title** 2-alkyl/aryl sulphonyl-1,2,3,4-tetrahydro-9H-pyrido [3,4-b] indole-3-carboxylic acid esters /amides as antithrombotic agents
- Inventor** Stuti Gaur , Zeeshan Fatima , Anshuman Dikshit , Zahid Ali , William Rascan Surin, Kapil Kapoor, Kanta Bhutani, Md. Salim Ansari, Madhu Dikshit & Anil Kumar Saxena
- Institute** CDRI
- Application. No.** 11/842674      **Filing Date** 8/21/2007
- Patent No.** 7601838      **Grant Date** 10/13/2009
- Country** United States      **Status**