DR.P.M.S.CHAUHAN,Ph.D, FRSC
Senior Principal Scientist
Medicinal and Process Chemistry Division, Central Drug Research Institute,Lucknow,Email prem_chauhan_2000@yahoo.com

Biography

Dr.P.M.S.Chauhan has received his PhD from **Central Drug Research Institute ,Lucknow**/ Agra University , Agra, India, in the year **1984 under supervision of Dr.R.N.Iyer**. He has joined CDRI during year 1988 as scientist. Currently, he is working as **Senior Principal Scientist** at Central Drug Research Institute, Lucknow, India.
He was also served as **Senior research associate in University of Liverpool**, **UK** (Jan.1987-Oct.1988) and **University East Anglia** (April-2002-june.2003).He was recipient of DAAD fellowship(2000).He has visited **RWTH Achen,Germany** (April-2000 to June2000).
He has **authored 119**. Research articles/books and **six Indian patents**. He is a member of Royal Society of Chemistry ,UK, American chemical society,USA, He is founder of Indian Society of Chemists and Biologists(General Secretary since 1995).He has honored as award for outstanding contributions in Medicinal chemistry and international scientific collaboration **(**Scientific PartnershipRashtriya Gaurav Award 2010, Indian International Friendship Society, New Delhi and Fellow of Royal Society Chemistry(FRSC) etc.
He is serving as an editorial advisory board member of several reputed journals like Future Medicinal Chemistry (*future science group)* , Global Journal of Organic Chemistry (Simplex Academic Publishers), Journal Research and Reports in Medicinal Chemistry , Mycobacterial Diseases. He is founder **Editor-in-Chief** of **journal Chemistry and Biology Interface**.
He has delivered several plenary lectures and keynote lectures.
He has supervised 14 Ph.D students, 8students presently working for their Ph.D programme

Research Experience ; 26 Years (24 years as Scientist and Group leader)

Field of Specialization; **Synthetic Organic chemistry/Medicinal chemistry (26 Years), Combinatorial chemistry (11 Years)**

POST DOCTORAL EXPERIENCE AND VISITS ABROAD

Jan 1987 - Oct.1988 (22 months) :**Senior Research Associate** (Science and Engineer Research Council (**SERC**), **U.K.) Robert Robinson Laboratory, University of Liverpool, UK With Prof.R.C.Storr**

April-2000- July 2000 : Senior DAAD Visiting Scientist, Instituted of Organic **Chemistry(RWTH), Aachen, Germany, With Prof.D.Enders and Prof Stefan Brease)**

April 2002 -2003: Visiting Scientist, School of Chemical Sciences, **University East Anglia, Norwich, UK, (With Prof.David Horwell)**

August 2-9, 2009, Deputation to **Glasgow, UK** (To deliver KeyNote,Lecture,42nd IUPAC/RSC, Conference)

HIGHLIGHTS OF RESEARCH ACTIVITIES

Paper published in peer reviewed Journals	**119**
Patents (Indian) Filed	**6**
Ph. D. Thesis supervised	**14**
Ph. D. Students currently working	**8**

List of Students completed Ph.D

1.**Deepa Gulati** (**1996**,Lucknow University), 2. **Sanjay Srivastav** (**1999**, Agra University),3. **Swati Tiwari** (**2000**,Agra University),4.**Arun Kumar** (**2004**,Agra University),5.**Anu Agarwal** (**2005**, Agra University, presently Dr. B.R. Ambedkar University), 6.**Sanjay B.Katiyar** (**2005**, Agra University presently Dr. B.R. Ambedkar University,Agra),7.**Sharad Porwal** (2009,Agra University, presently Dr.B.R.Ambedkar University,),8. **Leena Gupta** (**2009**,Chtrapati Shahu Ji Mahraj University Kanpur,), 9.**Naresh Sundru** (**2009**,Chtrapati Shahu Ji Mahraj University Kanpur,),10.**Ravi Kumar** (**2009**,JNU,Delhi),11 Ashok **Kumar** (**2010**, Dr. B.R. Ambedkar University(Agra University),12.**Mr.Vikash Tyagi** (**2013**,JNU,Delhi),13.**Moni Sharma** (**2013**,Bhagbant University, Ajmer),**14**.**Shanabaj Khan**(**2013**, Agra University, presently Dr.B.R.Ambedkar University,)

Total Citaion : 1380
Average Citation : 14
H index : 22

Member: Editorial Board:

A. **Founder Editor- in- Chief:** Chemistry & Biology Interface
B. **Member of Editorial board ,** Future Medicinal Chemistry,Future science group
C. **Member of Editorial board** - Mycobacterial Diseases

Honors and Awards

D. Recipient of the CDRI incentive award for the year 2000.,2001,2010,2013
E. Fellow of Royal Society Chemistry(FRSC) ,2003
F. AWARD for outstanding contributions in Medicinal chemistry and international scientific collaboration (Scientific Partnership Foundation,Moscow,Russia,2005).
G. *Most Cited paper,**(2005-2008)** award by Elsevier* Prem M.S. Chauhan , *Bioorganic and Medicinal Chemistry Letters* , 2005, *15*, 531-533

H. **Rashtriya Gaurav Award**, 2010, Indian International Friendship Society, New Delhi
I. **Founder General Secretary** Indian Society of Chemists and Biologists since 1995**.**

Organizing capabilities:

10 National conferences, **9international conferences** were organized as General Secretary of Indian society of Chemists and Biologists, CDRI, LUCKNOW
(Website; www.iscbindia.com)**.** Prof. Robert H. Grubbs**,** *Nobel laureate has delivered his lecture in ISCB-2010.*

LIST OF RECENT SELECTED PUPLICATIONS

1. Discovery of a New Class of Natural Product-Inspired Quinazolinone Hybrid as Potent Antileishmanial agents,Moni Sharma, Kuldeep Chauhan, Rahul Shivahare, Preeti Vishwakarma, Manish K. Suthar, Abhisheak Sharma, Suman Gupta, Jitendra K. Saxena, Jawahar Lal, Preeti Chandra, Brijesh Kumar, and **Prem M. S. Chauhan**[†*] **Journal of Medicinal Chemistry**, **2013, 2013,** *56* (11), pp 4374–4392 , ***IF:5.614***

2. Total Synthesis of Perspicamide A and Related Point Diverse Analogues: Their Bioevaluation as Potential Antileishmanial Agents, Anand Kumar Pandey[†], Rashmi Sharma[†], Rahul Shivahare[#], Ashish Arora, Neeraj Rastogi[‡], Suman Gupta[#] and **Prem M. S. Chauhan***, **Journal of Organic Chemistry**,**2013**,78,1534, **,** DOI: 10.1021/jo3025626 ***IF:4.56***

3. Cyanuric chloride catalyzed mild protocol for synthesis of biologically active dihydro/spiro quinazolinones, spirooxyindole and quinazolinone-glycoconjugates, Moni Sharma[†], Shashi Pandey, Deepty Sharma, Brijesh Kumar and Prem M. S. Chauhan[*] Journal of Organic Chemistry,2012,77(2),929-937, **DOI:** 10.1021/jo2020856 IF: ***4.56***

4. Highly Skeletal Diverse Synthesis of N-Fused Polycyclic Heterocycles via Ugi- type MCR followed by CuI Catalyzed Coupling/ Tandem Pictet-Spengler Reaction, Vikas Tyagi, Shahnawaz Khan, Vikas Bajpai, Harsh M. Gauniyal, Brijesh Kumar and Prem M. S. Chauhan, **Journal of Organic Chemistry**,**2012**, 77(3), **1414–1421** DOI: **10.1021/jo202255v IF:4.56**
5. A novel ligand free Pd-catalyzed cascade reaction: An access to the highly diverse Isoquinolin-1(2H)-one derivatives via isocyanide and Ugi-MCR synthesized amide precursorsTyagi, Vikas; Shahnawaz Khan, Archana Giri, Harsh Gouniyal, Balasubramaniam Sridhar, **Prem M.S. Chauhan***, **Organic Letters, 2012, *14* (12), 3126–3129 IF:6.2**
6. Access to indole- and pyrrole-fused diketopiperazines via tandem Ugi-4CR / intramolecular cyclization and its regioselective ring opening by intermolecular transamidation,Shashi Pandey,Shahnawaz Khan, Awantika Singh,Harsh M. Gauniyal, Brijesh Kumar and Prem M. S. Chauhan*, **Journal of Organic Chemistry**, **2012**, *77* (22), pp 10211–10227 , **DOI:** 10.1021/jo3018704 ***IF: 4.56***

7. Synthesis and biological evaluation of a new class of 4-aminoquinoline- rhodanine hybrid as potent anti-infective agents, Kuldeep Chauhan, Moni Sharma, Juhi Saxena[b], Shiv Vardan Singh, Priyanka Trivedi, Kumkum Srivastava, Sunil K. Puri, J. K.

Saxena, Vinita Chaturvedi and **Prem. M. S. Chauhan**' *, **European Journal of Medicinal Chemistry**, **2013**,693-704, DOI:10.1016/j.ejmech.2013.01.**017 IF.3.269**

8. Synthesis and Antibacterial Evaluation of Novel 8-Fluoro Norfloxacin Derivatives as Potential Probes for methicillin and vancomycin-resistant *Staphylococcus aureus,* Naresh Sunduru, Leena Gupta, Kuldeep Chauhan, Nripendra N. Mishra ,P. K. Shukla and **Prem. M. S. Chauhan*, European Journal of Medicinal Chemistry , 46 , (2011), 1232-1244 DOI:** 10.1016/ j.ejmech.2011.01.44 ***IF:3.59***

9. Substituted Quinolinyl Chalcones and Quinolinyl Pyrimidines : New class of Antiinfective agents Agents, Moni Sharma,Vinita Chaturvedi, and **Prem M. S. Chauhan**,* ***European Journal of Medicinal Chemistry***, 44 **, 2009,** 2081–2091**. IF:3.59**

10. Synthesis and antileishmanial activity of novel 2,4,6-trisubstituted pyrimidines and 1,3,5-triazines,Naresh Sunduru, Nishi, Shraddha Palne, Neena Goyal ,**Prem M. S. Chauhan***and Suman Gupta, ***European Journal of Medicinal Chemistry,*** 44, **2009**, 2473–2481**. IF:3.59**.

11. Synthesis of oxalamide and triazine derivatives as a novel class of hybrid 4-aminoquinoline with potent antiplasmodial activity , N.Sunduru, M.Sharma, K. Srivastava, S. Rajakumar, S. K. Puri, J. K. Saxena, **Prem M. S. Chauhan***, ***Bioorganic and Medicinal Chemistry***, 17 ,**2009**, 6451-6462. **IF:3.15**

12. Discovery of novel antileishmanial agents in an attempt to synthesize aplysinopsin pentamidine hybrid molecule ,Sharad Porwal,Shikha Chauhan, **Prem M. S. Chauhan,*** Nishi Shakya, Aditya Verma, Suman Gupta , **Journal of Medicinal Chemistry**,52,**2009**, 5793-5802. **IF:5.61**

PATENTS

1. A process of synthesis of 2,7-diamidino xanthine , thioxantene of Biological Interest. **P.M.S. Chauhan ,** R.N. lyer , Veena Shankhadhar , P.Y. Guru , A.B. Sen Indian Pat. No. 373/DEL/87
2. A process of synthesis of 2,7-diamidino xanthine , thioxantene of Biological Interest. **P.M.S. Chauhan ,** R.N. lyer , Veena Shankhadhar , P.Y. Guru , A.B. Sen Indian Pat. No. 626/DEL/87
3. A process for the synthesis of antifilarial 2-(aryl) amino-4,6 -dihydrazinotriazines . **P.M.S. Chauhan ,** Somnath Singh Puvada Kalpana Murty , R.K. Chatterjee Patent Indian No. CSIR India DEL/882/92.
4. A process for the synthesis of Antifilarial N-(4-cyano pyrazoler-5-ylldithiomethyl carbamidate , **P.M.S. Chauhan ,** Somnath Singh,Puvada Kalpana Murty , R.K. Chatterjee. Patent filed in Indian APP No. NF-201/92-PAT
5. A process for the synthesis of Antifilarial 4-cyano-5-quanidino pyrazoles **P.M.S. Chauhan ,** Somnath Singh, Puvada Kalpana Murty , R.K. Chatterjee Patent No. 1239/DEL 192 (No. 1146 DEL-92.
6. A process for the synthesis of Antifilarial 2,4 -di-(4 -Chloro-3-nitroanilinyl)-6-amino-S- Triazine **P.M.S. Chauhan,** Nigar Fatima , R.K. Chatterjee Patent filed in India 3rd Dec. 1992. Pat. No.1148 (Del-92 dt. 3.12.92.)