

BIO-SKETCH

Dr. Rajesh Kumar Singh was born in 1980. He received his B. Pharmacy (2003), GATE (92.26 %tile, IIT, Chennai) and M. Pharmacy (2005) from UIPS, Panjab University, Chandigarh under the guidance of Prof. T.R. Bhardwaj. He started to teach Pharmaceutical Chemistry at the Shivalik College of Pharmacy, Nangal, in 2003, where he completed his PhD in 2013 from IKG Punjab Technical University (IKGPTU), Jalandhar under the supervisona and co-supervision of Dr. D.N. Prasad and Prof. T.R. Bhardwaj respectively. He has been teaching Pharmaceutical Chemistry at Shivalik College of Pharmacy, Nangal, Punjab. Dr. Singh's major area of research interests are drug-design, polymer-drug conjugates for targeted delivery to CNS and cancerous cells, antimalarial therapeutic agents and exploration of various green chemistry approaches for chemical synthesis of heterocyclic compounds. Dr. Singh has over 12 years of teaching experience and guided 16 PG students. He is currently guiding 03 PhDs and 01 PG student. He has published more than 45 peer-reviewed scientific research papers in various Chemistry and Pharmacy Journals including EJMC, Elsevier, MRMC, Bentham, Biomedicine and Pharmacotherapy, Elsevier, Pharmaceutical Research (Springer), Eur. J. Pharm. Sci. (Elsevier), Med. Chem. Res. (Springer), J. Enzyme Inhi. Med Chem. (Informa Healthcare), Res. Chem. Intermediate (Springer) etc as main or corresponding author. Dr. Singh is an Editorial Board Member of 07 Int. Journals. He has reviewed more than 80 research papers of different Int. Journals of ACS, RSC, Springer, Elsevier, Dove and Bentham of Impact Factor varies from 1.0 to 8.5. He has also to his credit 46 National and International Conference Abstracts, 2 Book, 5 Best Paper Presentation Awards, 1 Travel grant to attend Int. Conf. and 5 Research Projects funded by Govt. Agencies, India. He is also in panel of Internatinal Reviewer for reviewing Research Proposal for Royal Society Grants.



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Editorial Board Member of following SCOPUS indexed UGC approved Journals

<https://peerj.com/academic-boards/subjects/151/green-chemistry/?page=3>

<https://www.journals.elsevier.com/journal-of-traditional-chinese-medical-sciences/editorial-board>

<http://scialert.net/eboard.php?issn=2150-427x>

<http://scialert.net/eboard.php?issn=1816-496x>

<http://www.currentneurobiology.org/editorial-board.php>

<https://benthamopen.com/TOMCJ/editorial-board/>

<http://www.xiahepublishing.com/JournalBoard.aspx?sid=2&id=3>

Research gate Profile

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Google Scholar

<https://scholar.google.co.in/citations?user=qlTnqzAAAAJ&hl=en>

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CURRICULUM VITAE

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EDUCATION

- B. Pharmacy (1999-2003), UIPS, Panjab University, Chandigarh.
- M. Pharmacy, Pharmaceutical Chemistry (2003-2005), UIPS, Panjab University, Chandigarh.
- Ph.D. (Pharmacy) (2008-2013), I.K. Gujral Punjab Technical University, Jalandhar.

PROFESSIONAL EXPERIENCE

- Assistant Professor (10th March 2006-Till Date) in Shivalik College of Pharmacy, Nangal, Ropar, Affiliated to Punjab Technical University, Jalandhar, Punjab, India.
- Lecturer (September 2005-February 2006) in Global College of Pharmacy, Anandpur Sahib, Ropar, Affiliated to Punjab Technical University, Jalandhar, Punjab, India.
- Incharge, Instrument room containing all sophisticated instruments like IR, HPLC, UV, Karl Fishcer Titrator etc
- Member, External Practical Examiner, Punjab Technical University and Himachal Pradesh Technical University, Hamirpur, H.P.
- Approved Question Papers Setter for Panjab University, Chandigarh and Himachal Pradesh Technical University, Hamirpur, H.P.
- Approved Pharmacy Inspector for Diploma Colleges affiliated to Punjab Board of Technical Education, Chandigarh.

- Answer Books Evaluator for Panjab University, Chandigarh, Himachal Pradesh Technical University, Hamirpur and Punjab Technical University, Jalandhar, Punjab.
- Member, Board of Studies, PTU Jalandhar for Reformation of M. Pharmacy (Pharmaceutical Chemistry) Syllabus.
- **Rajesh K. Singh, invited as Chairperson** of “Oral Presentation Session” in APTI Sponsored National Conference on “Emerging Trends in Computing Aided Drug Design and Drug Delivery on 11th May, 2017.
- Invited as Editorial Board Member of Journal of Traditional Chinese Medical Sciences, Elsevier. <https://www.journals.elsevier.com/journal-of-traditional-chinese-medical-sciences/editorial-board>
- Invited as Editorial Board Member as Academic Editor of SCOPUS, PUBMED, WOS indexed PeerJ Journal (UGC APPROVED JOURNAL). <https://peerj.com/academic-boards/subjects/151/green-chemistry/?page=3>
- Invited as Editorial Board Member as Technical Editor of SCOPUS, PUBMED indexed American Journal of Drug Discovery and Development, Science alert <http://scialert.net/eboard.php?issn=2150-427x>
- Invited as Editorial Board Member as Technical Editor of SCOPUS, PUBMED indexed Journal of Pharmacology and Toxicology, Science alert <http://scialert.net/eboard.php?issn=1816-496x>
- Invited as Editorial Board Member of SCOPUS indexed Journal “Current Neurobiology” <http://www.currentneurobiology.org/editorial-board.php>
- Invited as Associate Editorial Board Member of SCOPUS, PUBMED indexed Journal “The Open Medicinal Chemistry Journal, Bentham” (UGC APPROVED JOURNAL). <https://benthamopen.com/TOMCJ/editorial-board/>
- Invited as Editorial Board Member of “Journal of Exploratory Research in Pharmacology, Xia & He publishing. <http://www.xiahepublishing.com/JournalBoard.aspx?sid=2&id=3>
- **Invited Expert Reviewer of following International Journals:**
 - Green Chemistry, RSC (IF 8.5)
 - MedChemComm, RCS (IF 2.3)
 - Expert Opinoin on Therapeutic Target, (I.F. 4.5)
 - European Journal of Medicinal Chemistry, Elsevier (I.F. 4.8)
 - New Journal of Chemistry, RSC (IF 3.2)
 - Medicinal Chemistry Research, Springer (IF 1.4)
 - Arabian Journal of Chemistry, Elsevier (IF 3.7)
 - Journal of Saudi Chemical Society, Elsevier (IF 2.5)
 - Research on Chemical Intermediates, Springer (IF 1.3)
 - Current Green Chemistry, Bentham
 - Current Organic Chemistry, Bentham (IF 3.0)
 - International Journal of Nanomedicine, Dove Medical Press (IF 4.0)
 - Journal of Traditional Chinese Medical Sciences, Elsevier
 - Letter in Organic Chemistry, Bentham (IF 0.9)

AGREEMENT FOR RESEARCH

- Agreement of research has been signed in between Researchist-Dr. Rajesh Kumar Singh and the Prof. Songlig Wang, Capital Medical University, China for collaborative research work, patent proposals, and commercialization of the research output.
- In panel of International Reviewer for reviewing Research Proposal for Royal Society Grants.

AWARDS

- Awarded with M. Pharm. Research Scholarship from UGC for the year 2003-2005
- Awarded with Associateship of Institution of Chemist (AIC), Kolkata, India, 2009, having ID No 5944 LA.
- Excelled in Graduate Aptitude Test in Engineering (GATE), conducted by IIT, Chennai in 2003 by securing All India Rank 514 (92.26 percentile).
- Awarded with travel grant to attend International Conference (GOLD-CT 2014), North Maharashtra University, Jalgaon (Best Oral Paper Presentation Award).
- Biographical profile is nominated and selected for inclusion in Marquis's Who's Who in Medicine and Healthcare 2015-2016 as world's foremost achievers.

SCIENTIFIC ACHIEVEMENTS

- **Research Publications:** 50 (National 15, International 35)
- **Abstract in Conference Proceedings:** 53 (National 42, International 11)
- **Paper Presentation/Conference/Workshop/Training Courses Attended:** 22
- **Research Grants:** Completed 05 Student's Projects funded by Punjab State Council for Science and Technology (PSCST), Chandigarh, Punjab.
- **Book:** 02

Rajesh K. Singh and Akshdeep Sandhar, "*Multicomponent One Pot Green Synthesis of 1, 5- Benzodiazepines: Investigating various acids for its catalytic potential and their mechanism*", LAP LAMBERT Academic Publishing, Germany, ISBN-13: 978-3845422589, 136 pages.

Sahil K. Mehta and Rajesh K. Singh, "A Textbook of COMPUTER AIDED DRUG DESIGN", S. VIKAS AND COMPANY (MEDICAL PUBLISHER), 1st Ed. 2018, ISBN 97815-43342-64-2.

RESEARCH INTERESTS

- Synthesis of targeted polymer-drug conjugates for the treatment of cancer and malaria.
- Design and synthesis of CNS active therapeutic agents.
- Exploration of innovative catalyst for the green synthesis of organic compounds of medicinal interests.

RESEARCH GROUP

- 03 Students pursuing for their Ph.D. research and 01 student for her M. Pharm.
- 16 Students have been completed for their 1 year M. Pharm. Projects

LIST OF POSTGRADUATE THESES GUIDED

- **Student Name: Sonia Devi, Guide: Rajesh K. Singh.** *Thesis Title: Synthesis and studies of Central Nervous System active 2-aminobenzophenones derivatives. Student (2009-2010).*
- **Student Name: Amarjit Singh, Guide: Rajesh K. Singh.** *Thesis Title: Synthesis and studies of reversible redox drug delivery system (2009-2010).*
- **Student Name: Rekha Rana, Guide: Rajesh K. Singh.** *Thesis Title: Synthesis and studies of 1,4-dihydropyridines by various methods (2009-2010)..*
- **Student Name: Shikha Sharma, Guide: Rajesh K. Singh.** *Thesis Title: An efficient one-pot synthesis of 1,5-benzodiazepines under solvent free conditions (2010-2011)..*
- **Student Name: Deep Sharma, Guide: Rajesh K. Singh.** *Thesis Title: Synthesis and studies of chemical delivery system for alkylating anticancer agents (2010-2011).*
- **Student Name: Heena Sharma, Guide: Rajesh K. Singh.** *Thesis Title: An efficient one-pot three components synthesis of 1,4-dihydropyridines by various techniques (2010-2011)..*
- **Student Name: Akshdeep Sandhar, Guide: Rajesh K. Singh.** *Thesis Title: Multicomponent one-pot green synthesis of 1,5-benzodiazepines under solvent free conditions (2011-2012).*
- **Student Name: Prabhjot Kaur, Guide: Rajesh K. Singh.** *Thesis Title: Synthesis of 1,4-dihydropyridines as important medicinal compound by various green chemistry approaches (2011-2012).*
- **Student Name: Robita Duvedi, Guide: Rajesh K. Singh.** *Thesis Title: To study various acid catalysts for the green synthesis of amidoalkyl naphthols as synthetic intermediates under solvent free conditions (2011-2012).*
- **Student Name: Sapna Malik, Guide: Rajesh K. Singh.** *Thesis Title: Targeting nitrogen mustard across brain by chemical drug delivery system as potential brain antitumour agent (2011-2012).*
- **Student Name: Sumit, Guide: Rajesh K. Singh.** *Thesis Title: Microwave assisted synthesis of 1-amidoalkyl-2-naphthols catalyzed by anhydrous zinc chloride (2011-2012).*
- **Student Name: Ketki Sahore, Guide: Rajesh K. Singh.** *Thesis Title: Synthesis, physicochemical study and biological evaluation of 1,4-dihydropyridine derivatives (2012-2013).*
- **Student Name: Balpreet Singh, Guide: Rajesh K. Singh.** *Thesis Title: Multicomponent one-pot green synthesis of 1-amidoalkyl-2-naphthols catalyzed by sulphanilic acid (2012-2013).*
- **Student Name: Sandeep Singh, Guide: Rajesh K. Singh.** *Thesis Title: Synthesis, physicochemical study and evaluation of 2-aminobenzophenone derivatives (2012-2013).*
- **Student Name: Manpreet Saini, Guide: Rajesh K. Singh.** *Thesis Title: Investigating various metal oxide nanoparticles for an efficient synthesis of 1,5-benzodiazepines (2013-2014).*
- **Student Name: Renu Bala, Guide: Rajesh K. Singh.** *Thesis Title: Investigation of various metal oxide nanoparticles for an efficient green synthesis of amido-alkyl naphthols (2013-2014).*

PUBLISHED PAPERS

*Corresponding Author

PUBLICATIONS IN 2018

1. Sahil Kumar, Badna Sharma, Kiran Thakur, T.R. Bhardwaj, D.N. Prasad and **Rajesh K. Singh***, “Recent advances in the development of polymeric nanocarrier formulations for the treatment of colon cancer”, **Drug Delivery Letter, Bentham (Accepted)**.
2. Sahil Kumar, Kiran Thakur, Badna Sharma, T.R. Bhardwaj, D.N. Prasad and **Rajesh K. Singh***, “Recent advances in the vaccines development for the treatment of emerging infectious diseases”, **Indian Journal of Pharmaceutical Education Research (Revision)**.
3. Shikha Sehajpal, D.N. Prasad, **Rajesh K. Singh⁸**, “Investigating ketoprofen-antioxidants mutual codrugs approach towards overcoming gastric side-effects of NSAIDs: Synthesis, kinetic and pharmacological evaluation,” **Journal of Ethanopharmacology, Elsevier (I.F. 3.3) (Communicated)**.
4. Sadhna Sharda, D.N. Prasad, Sahil Kumar and **Rajesh K. Singh***, “Hexachlorocyclotriphosphazene (HCCP)-Catalyzed One-Pot Multicomponent Synthesis of 2,3-Dihydro-1H-1,5-Benzodiazepines”, **Asian Journal of Organic & Medicinal Chemistry (Communicated)**.
5. **Rajesh K. Singh***, Shallu Chaudhary, D.N. Prasad, Sahil Kumar and “An Atom-Economic Efficient Synthesis of 1-Amidoalkyl-2-Naphthols Mediated By Hexachlorocyclotriphosphazene (HCCP) as novel catalyst, **Letter in Organic Chemistry, Bentham (I.F. 0.6)(Revision)**.
6. **Rajesh K. Singh⁸**, Sahil Kumar, D.N. Prasad, T.R. Bhardwaj, “Therapeutic Journey of Nitrogen Mustard as Alkylating Anticancer Agents: Historic to Future Perspectives”, **Eur. J. Medicinal Chemistry, Elsevier (2018), 151, 401-433** <http://dx.doi.org/10.1016/j.ejmech.2018.04.001> (I.F. 4.8).
7. Shikha Sehajpal, D.N. Prasad, **Rajesh K. Singh⁸**, “Prodrugs of Non-Steroidal Anti-inflammatory Drugs (NSAIDs): A Long March Towards Synthesis of Safer NSAIDs”, **Mini Review in Medicinal Chemistry, Bentham (2018), 18, 1199-1219** (<http://dx.doi.org/10.2174/1389557518666180330112416> (I.F. 2.6).
8. Sahil Kumar, T.R. Bhardwaj, D.N. Prasad, **Rajesh K. Singh***, “Emerging Treatment Approaches and Targets for Drug-resistant Malaria: A Wrestle Towards Innovation in the Advanced Chemotherapy of Malaria”, **Biomedicine and Pharmacotherapy, Elsevier (2018) 104, 8-27** <https://doi.org/10.1016/j.biopha.2018.05.009> (IF 3.5).

9. Archana Kumari, Om Silakari and **Rajesh K. Singh***, “*Recent Advances in Colony Stimulating Factor-1 Receptor/c-FMS as an Emerging Target for Various Therapeutic Implication*”, **Biomedicine and Pharmacotherapy, Elsevier** (2018) 132, 662-679 <https://doi.org/10.1016/j.biopha.2018.04.046> (IF 3.5).
10. Shikha Sehajpal, D.N. Prasad and **Rajesh K. Singh***, *Synthesis And Evaluation of Prodrugs of Ketoprofen With Antioxidants As Gastroprotective NSAIDs*”, **Asian Journal of Chemistry** (2018), 30 (9), 2145-2150 <http://dx.doi.org/10.14233/ajchem.2018.21495>
11. Shallu Chaudhary, Sadhna Sharda, D.N. Prasad, Sahil Kumar and **Rajesh K. Singh***, “Synthetic Methodologies and Pharmacological Significance of 2-Aminobenzophenones as Versatile Building Block, **Asian Journal of Organic & Medicinal Chemistry**, (2018), 3(3), 107-115 <http://dx.doi.org/10.14233/ajomc.2018.AJOMC-P136>
12. **Rajesh K. Singh*** and Robita Duvedi, “*Environmental-friendly green chemistry approaches for an efficient synthesis of 1-amidoalkyl-2-naphthols catalyzed by tannic acid*”, **Arabian J. Chem.**, 2018, 11 (1) 91-98. Elsevier, DOI: <http://dx.doi.org/10.1016/j.arabjc.2014.08.022> (In press, 2014), ISSN No. 1878-5352, (IF 3.7).

PUBLICATIONS IN 2017

13. **Rajesh K. Singh***, D.N. Prasad and T.R. Bhardwaj, “*Design, synthesis, chemical and biological evaluation of brain targeted alkylating agent using reversible redox prodrug approach*”, **Arabian J. Chem.**, Elsevier 2017, 10(3) 420-429, DOI: <http://dx.doi.org/10.1016/j.arabjc.2013.12.008>, ISSN No. 1878-5352, (IF 3.7).
14. **Sahil Kumar***, **Rajesh K. Singh**, D.N. Prasad, T.R. Bhardwaj, “*Synthesis of Novel Controlled Molecular Weight Substituted Poly(organophosphazenes): Synthesis, Characterization and In Vitro Degradation Studies*”, **Journal of Drug Delivery Science Technology, Elsevier** (2017), 38, 135-142 <http://dx.doi.org/10.1016/j.jddst.2017.01.010> (I.F. 1.2)
15. Sahil Kumar*, **Rajesh K. Singh*** and T.R. Bhardwaj, “*Therapeutic role of nitric oxide as emerging molecules*”, **Biomedicine and Pharmacotherapy, Elsevier** (2017), 85, 182-201 <http://dx.doi.org/10.1016/j.biopha.2016.11.125> (I.F. 3.5)
16. Sahil Kumar*, Kulvinder Singh, **Rajesh K. Singh**, D.N. Prasad and T.R. Bhardwaj, “*Recent advances in the development of novel delivery system for the prophylaxis of malaria*”, **International J of Advances in Pharm. Sciences**, (2017), 9, 49-58 <http://dx.doi.org/10.5138/09761055.2134>
17. **Rajesh K. Singh***, D.N. Prasad and T.R. Bhardwaj, “*Design, synthesis and antiproliferative activity of benzodiazepine-mustard conjugates as potential brain antitumour agents*”, **J. Saudi Chem. Soc.**, (2017), 21, S1, S86-S93 DOI: <http://dx.doi.org/10.1016/j.jscs.2013.10.004>, ISSN No. 1319-6103, (IF 2.5).

PUBLICATIONS IN 2016

18. **Rajesh K. Singh***, Shikha Sharma, Akshdeep Sandhar, Manpreet Saini and Sahil Kumar, “Recent advances in the development of various catalysts for an efficient green synthesis of 1,5-benzodiazepines”, **Iranian Journal of Catalysis** (2016), 6(4), 389-408, ISSN No. 2252-0236.
19. **Rajesh K. Singh***, Renu Bala, Sahil Kumar, “Investigating various green chemistry techniques for an efficient synthesis of 1-amidoalkyl-2-naphthols catalyzed by zinc oxide nanoparticles under solvent-free conditions”, **Ind. J. Chem.** (2016), 55B (3), 381-386 IF. 0.471
20. **Rajesh K. Singh***, Ketki Sahore, Rekha Rana, D.N. Prasad and Sahil Kumar, “Recent advances in the synthetic approaches and current pharmacological applications of 1, 4-dihydropyridines”, **Iranian J Catalysis**, (2016), 6(4), 389-408.
21. Sahil Kumar, **Rajesh K. Singh**, Babita Patial, Sachin Goyal, **T.R. Bhardwaj*** and R.S.R. Murthy, “Recent advances in novel heterocyclic scaffolds for the treatment of drug-resistant malaria”, **J. Enzyme Inhib. Med. Chem., Informa Healthcare**, DOI: <http://dx.doi.org/10.3109/14756366.2015.1016513>, (2016), 31(2), 173-86 (In press, 2015), ISSN No. 8755-5093 (P), 1029-2462 (E) (IF 2.4).

PUBLICATIONS IN 2015

22. **Rajesh K. Singh***, Sahil Kumar and Manpreet Saini, “Green chemistry approach for an efficient synthesis of 1, 5-benzodiazepines promoted by stannic oxide nanoparticles under solvent-free condition,” **Ind. J. Heterocycl. Chem.**, 25(2), 2015, 151-156, ISSN No. 0971-1627, (IF 0.301).
23. Sahil Kumar, **Rajesh K. Singh**, RSR Murthy and **TR Bhardwaj***, “Synthesis and evaluation of substituted poly(organophosphazenes) as a novel nanocarrier system for combined antimalarial therapy of primaquine and dihydroartemisinin,” **Pharmaceutical Research**, (2015), 32(8), 2736-2752, Springer DOI: <http://dx.doi.org/10.1007/s11095-015-1659-5>, ISSN No. 074-8741 (P), 1573-904X (E), (IF 3.5).
24. **Sahil Kumar***, **Rajesh K. Singh**, Rajiv Kumar, RSR Murthy and T.R, Bhardwaj, “Design, synthesis and evaluation of antimalarial potential of polyphosphazene linked combination therapy of primaquine and dihydroartemisinin”, **European J. Pharm. Sci., Elsevier**, (2015), 66, 123-137, DOI: <http://dx.doi.org/10.1016/j.ejps.2014.09.023>, ISSN No. 0928-0987, (IF 3.0).
25. **Rajesh K. Singh***, Renu Bala and Sahil Kumar, “Microwave assisted facile synthesis of 1-amidoalkyl-2-naphthols catalyzed by stannous oxide nanoparticles,” **J. Ind. Chem. Soc.** (2015), 92 (7): 1161-1165, ISSN No. 00194522-7077, (IF 0.25).

26. **Rajesh K. Singh***, D.N. Prasad, T.R. Bhardwaj, “*Hybrid pharmacophore-based drug design, synthesis and antiproliferative activity of 1,4-dihydropyridines linked alkylating anticancer agents*”, **Med. Chem. Res.**, (2015), 24 (4), 1534-1541, Springer DOI: <http://dx.doi.org/10.1007/s00044-014-1236-1>, ISSN No. 1054-2523 (P), 1554-8120 (E), (IF 1.4), 1
27. **Rajesh K. Singh***, Sonia Devi, D.N. Prasad, “*Synthesis, physicochemical and biological evaluation of 2-aminobenzophenone derivatives as potent skeletal muscle relaxant*,” **Arab. J. Chem.** (2015), 8 (3), 308-312, Elsevier DOI: <http://dx.doi.org/10.1016/j.arabjc.2011.11.013>, ISSN No. 1878-5352 , (IF 3.7).
28. **Rajesh K. Singh***, D.N. Prasad and T.R. Bhardwaj, “*Synthesis, physicochemical and kinetic studies of redox derivative of bis(2-chloroethylamine) as alkylating cytotoxic agent for brain delivery*, **Arab. J. Chem.** (2015), 8 (3), 380-387, Elsevier DOI: <http://dx.doi.org/10.1016/j.arabjc.2012.11.005>, ISSN No. 1878-5352 , (IF 3.7).
29. **Rajesh K. Singh***, Renu Bala, Robita Duvedi and Sahil Kumar, “*Recent advances in the development of various catalysts for an efficient green synthesis of amidoalkyl-naphthols*”, **Iranian Journal of Catalysis** (2015), 5(3), 187-206, ISSN No. 2252-0236.
30. **Rajesh K. Singh***, Balpreet Singh, Robita Duvedi and Sahil Kumar, “*Sulfanilic acid: a versatile and efficient catalyst among various organocatalysts screened for the synthesis of 1-amido-2-alkyl-naphthols under solvent-free condition*”, **Res. Chem. Intermed.** (2015), 41: 4083-4099, DOI: <http://dx.doi.org/10.1007/s11164-013-1513-5> Springer, ISSN No. 0922-6168 (E), I.F. (1.22).
31. Tiangang Li, Sandeep Singh, Xing Zhai, Xiangqi Meng* & **Rajesh K. Singh***, “*Microwave-assisted synthesis, insilico ADME prediction and antibacterial study of 2-(substituted acetamido)-5-nitrobenzophenone derivatives*”, **Asian J. Chem.**, 27 (7), 2015, 2452-2456. DOI: <http://dx.doi.org/10.14233/ajchem.2015.17914>, ISSN No. 0970-7077, (IF 0.45).
32. Yuhao Zhao, Deepak Kumar, **Rajesh K. Singh*** & Yanxu Ma*, “*Morphoanatomical, physicochemical and phytochemical standardization with HPTLC fingerprinting of aerial parts of Aerva lanata (Linn) Juss ex. Schult*”, **Journal of Traditional Chinese Medical Sciences**, Elsevier (2015), 2(1), 39-44. DOI <http://dx.doi.org/10.1016/j.jtcms.2014.12.002>

PUBLICATIONS IN 2014

33. Yuhao Zhao, Xuejie Yu, Manpreet Kaur, Yanxu Ma & **Rajesh K. Singh***, “*Highly efficient zinc oxide nanoparticles catalyzed green synthesis of 1, 5-benzodiazepines under solvent-free path*”, **Asian J. Chem.**, (2014), 26 (24), 8539-8542. DOI: <http://dx.doi.org/10.14233/ajchem.2014.18319> ISSN No. 0970-7077 (IF 0.45).

34. **Rajesh K. Singh***, Sahil Kumar, D.N. Prasad and T.R. Bhardwaj “*Reversible redox system based drug design for targeting alkylating agent across brain*”, **Med. Chem. Res.**, (2014), 23 (5), 2405-2416, Springer, DOI: <http://dx.doi.org/10.1007/s00044-013-0833-8>, ISSN No. 1054-2523 (P), 1554-8120 (E), (IF 1.4).
35. **Rajesh K. Singh***, “*Design, Synthesis and Physicochemical Characterization of Nicotinic Acid Linked Nitrogen Mustard Agent Capable of Penetrating the Brain*”, **Int. J. Pharmacy Teaching and Pract.**, 5(1), 2014, 925-929, ISSN No. 1986-8111.
36. Yuhao Zhao, Shikha Sharma, Minghua Huang, Akshdeep Sandhar, **Rajesh K. Singh***, **YanXu Ma***, “*Investigation of various organocatalysts for an improved and efficient one pot synthesis of 2, 3-dihydro-1H-1, 5-benzodiazepines under solvent-free condition*”, **Asian J. Chem.**, 26 (16), 2014, 5116-5120. DOI: <http://dx.doi.org/10.14233/ajchem.2014.16440>, ISSN No. 0970-7077, (IF 0.45).
37. Pengying Li, Ketki Sahore, Jianjun Liu* & **Rajesh K. Singh***, “*Synthesis and antimicrobial evaluation of 2-aminobenzophenone linked 1, 4-dihydropyridine derivatives*”, **Asian J. Chem.**, 26 (16), 2014, 5291-5294, DOI: <http://dx.doi.org/10.14233/ajchem.2014.17403>, ISSN No. 0970-7077, (IF 0.45).
38. Tiangang Li, Xing Zhai, Dharmaveer Singh, **Rajesh K. Singh***, Xuegong Xu*, “*Multicomponent one-pot green synthesis of 1-amidoalkyl-2-naphthols promoted by PNBA under solvent-free condition*”, **Asian J. Chem.** 26 (16), 2014, 5207-5211, DOI: <http://dx.doi.org/10.14233/ajchem.2014.16707>, ISSN No. 0970-7077, (IF 0.45).

PUBLICATIONS IN 2013

39. **Rajesh K. Singh***, D.N. Prasad and T.R. Bhardwaj, “*Synthesis, in vitro/in vivo evaluation and in silico physicochemical study of prodrug approach for brain targeting of alkylating agent*”, **Med. Chem. Res.** (2013), 22:5324-5336. Springer: DOI: <http://dx.doi.org/10.1007/s00044-013-0537-0>, ISSN No. 1054-2523 (P), 1554-8120 (E), (IF 1.4).
40. **Rajesh K. Singh***, D.N. Prasad and T.R. Bhardwaj, “*Design, synthesis and evaluation of aminobenzophenone derivatives containing nitrogen mustard moiety as potential CNS antitumour agents*”, **Med. Chem. Res.** (2013), 22 (12):5901-5911. Springer: DOI: <http://dx.doi.org/10.1007/s00044-013-0582-8>, ISSN No. 1054-2523 (P), 1554-8120 (E), (IF 1.4).
41. Akshdeep Sandhar and **Rajesh K. Singh***, “*Rapid and efficient synthesis of 2,3-dihydro-1H-1,5-benzodiazepines catalyzed by chloroacetic acid screened among various aliphatic acids under solvent free conditions*,” **Chem. Sci. Trans.**, 2(1), 2013, 176-180, DOI: <http://dx.doi.org/10.7598/cst2013.315>, ISSN No. 2278-3458 (P), 2278-3318 (E), (IF 0.23).

42. Prabhjot Kaur and **Rajesh K. Singh***, “Investigation of various green chemistry approaches for the efficient synthesis of dialkyl-1,4-dihydro-4-(substitutedphenyl)-2,6-dimethylpyridine-3,5-dicarboxylate,” **Chem. Sci. Trans.**, 2(S1), pp S295-S301 (2013), DOI: <http://dx.doi.org/10.7598/cst2013.443>, ISSN No. 2278-3458 (P), 2278-3318 (E), (IF 0.23).

43. **Rajesh K. Singh*** and Sapna Sharma, “Restructuring pharmaceutical education for next generation pharmacist: a survey report,” **Int. J. Pharmacy Teaching and Pract.** 4(2), 2013, 568-570, ISSN No. 1986-8111 (IF Awaited).

PUBLICATIONS IN 2012

44. Akshdeep Sandhar, D.N. Prasad and **Rajesh K. Singh***, “Salicylic acid catalyzed synthesis of 2,3-dihydro-1H-1,5-benzodiazepines under solven-free condition,” **Ind. J. Heterocycl. Chem.**, 21(2), 2012, 369-374, ISSN No. 0971-1627, (IF 0.17).

45. Akshdeep Sandhar, D.N. Prasad, Abhinav Kapoor and **Rajesh K. Singh***, “Efficient p-amino benzoic acid catalyzed eco-friendly synthesis of 1,5-benzodiazepines among various amino acids under solvent-free condition,” **Current Res. Chem.**, Science Alert, USA, 4, 2012, 68-75, DOI: <http://dx.doi.org/10.3923/crc2012>, ISSN No. 1996-5052 (P), 2152-3385X (E).

46. Akshdeep Sandhar and **Rajesh K. Singh***, “Rapid and efficient tannic acid mediated one-pot synthesis of 1, 5-benzodiazepines under solvent-free condition,” **Asian J. Chem.**, 24(12), 2012, 5643-5645, ISSN No. 0970-7077, (IF 0.45).

47. Sapna Malik, Sumit Sharma and **Rajesh K. Singh***, “Microwave assisted synthesis of 1-amidoalkyl-2-naphthols catalyzed by anhydrous zinc chloride,” **Asian J. Chem.**, 24(12), 2012, 5669-5672, ISSN No. 0970-7077, (IF 0.45)

48. Prabhjot Kaur, Heena Sharma, Rekha Rana, DN Prasad and **Rajesh K. Singh***, “Comparative study of various green chemistry approaches for the efficient synthesis of 1,4-dihydropyridines,” **Asian J. Chem.**, 24(12), 2012, 5649-5651, ISSN No. 0970-7077, (IF 0.45).

49. Robita Duvedi and **Rajesh K. Singh***, “Environment friendly, efficient chloroacetic promoted synthesis of 1-amidoalkyl-2-naphthols under neat condition,” **Asian J. Chem.**, 24 (12), 2012, 5665-5668, ISSN No. 0970-7077, (IF 0.45), 2

50. Amarjit Singh and **Rajesh K. Singh***, “A study on student’s perception of ideal teacher: a survey on students of pharmacy colleges in Punjab”, **Int. J. Pharmacy Teaching and Pract.**, 3(3), 2012, 298-300,

51. **Rajesh K. Singh***, Sapna Malik, Sumit, Deep Sharma, D.N. Prasad and T.R. Bhardwaj, “Synthesis and study of chemical delivery system for targeting nitrogen mustard to the brain”, **Asian J. Chem.**, 24 (12), 2012, 5635-5638, ISSN No. 0970-7077, (IF 0.45),

52. **Rajesh K. Singh***, D.N. Prasad and T.R. Bhardwaj, “*Synthesis, alkylation activity and physicochemical evaluation of nitrogen mustard agent to penetrate the blood-brain barrier*”, **Asian J. Chem.**, 24(12), 2012, 5605-5608, ISSN No. 0970-7077, (IF 0.45).

PUBLICATIONS IN 2011

53. **Shikha Sharma**, D.N. Prasad, **Rajesh K. Singh**, “*One pot synthesis of 2,3-dihydro-1h-1,5-benzodiazepines under solvent-free conditions using anhydrous stannous chloride as catalyst*”, **J. Chem. Pharm. Res.**, 3 (5), 2011, 382-389, ISSN No. 0975-7384, (IF 0.9)

ABSTRACTS PUBLISHED IN CONFERENCE PROCEEDINGS (NATIONAL)

Presenter

Corresponding Author*

1. Arun Sharma, **Rajesh K. Singh***, S. Duggal and D.N. Prasad, “*Synthesis of Lipophilic Analogues of Alkylating Anticancer Agents for Brain Delivery*”, **10th Punjab Science Congress (PSC)**, Feb-2007. Abstract No-E-2-01
2. **Sapna Sharma**, **S. Duggal***, Rajesh Kumar, **R.K. Singh** and D.N. Prasad, “*Antiinflammatory Activity of Aqueous Extract of Stem Bark of A. indica*”, **10th Punjab Science Congress (PSC)**, Feb-2007. Abstract No-A2/02-01
3. **Rajesh K. Singh*** and S. Duggal, “*Women Entrepreneurship: Challenges, Motivating Factors, Obstacles and Scope of Women Entrepreneurship in Indian Rural Sector*”, National Seminar organized by **Industrial Development and Management Association (IDMA)**, March 2007.
4. **Sapna Sharma**, **R.K. Singh**, D.N. Prasad and **S. Duggal***, “*Effect of Fresh Leaf Juice of C. Roseus on Fructose Induced Hyperlipedemia and Hyperglycemia*”, **59th Indian Pharmaceutical Congress**, Varanasi, Dec. 2007, Abstract No-D-31
5. **Vijay Tripathi**, **R.K. Singh**, D.N. Prasad and **S. Duggal*** “*Effect of Fresh Leaf Juice of C. Roseus on Isolated Frog Heart*”, **Indian Pharmaceutical Graduate Association , IPGA**, Nov 2007 Abstract No. RTPER-178
6. **Rajesh K. Singh***, D.N. Prasad and S. Duggal, “*Synthesis and Characterization of Some Ester Prodrugs of Ibuprofen: A prodrug Approach*,” **AICTE sponsored National Seminar** on “Emerging trends in Advanced Drug Delivery System”, Dec-2007, Nagpur, Abstract No. B-23
7. **Rajesh K. Singh***, “*Diabetes-II*”, **Indian Science Congress**, Panjab University, Chandigarh, Jan-2004.
8. **Rajesh K. Singh***, Kumar M, Bhardwaj T.R. “*Design and Synthesis of Polyphosphazene Linked Alkylating Anticancer Agent: A polymer-drug Conjugate Approach*”, **60th Indian Pharmaceutical Congress**, New Delhi, 12-14 Dec., 2008, Abstract No.MC-160

9. Sharma Sapna, Sharma D, Prasad D.N. and **Rajesh K. Singh***, "*A need to reorient pharmaceutical education: A survey on students of Pharmacy colleges in Punjab*", organized by **Indian Congress of Pharmacy and Pharmaceutical Sciences 2009 and Indian Pharmaceutical Association Convention-2009** at DIPSAR , New Delhi, 14-15 March, 2009, Abstract No PP132.
10. Singh A, Singh M, Prasad D.N. and **Rajesh K. Singh***, "*A Student Perception of Ideal Teacher: A Survey on Students of Pharmacy Colleges in Punjab*", organized by **Indian congress of Pharmacy and Pharmaceutical Sciences 2009 and Indian Pharmaceutical Association Convention-2009** at DIPSAR , New Delhi, 14-15 March, 2009, Abstract No PP133 (**2nd BEST PAPER AWARD**).
11. Sharma D, Sharma S, Prasad D.N. and **Rajesh K. Singh***, "*Restructuring Pharmaceutical Education for Next Generation Pharmacist*", organized by **Indian congress of Pharmacy and Pharmaceutical Sciences 2009 and Indian Pharmaceutical Association Convention-2009** at DIPSAR , New Delhi, 14-15 March, 2009, Abstract No PP134
12. **Rajesh K. Singh***, Sonia Devi, Rekha Rana, Amarjit Singh and D.N. Prasad, "*Current and Future Strategies for Brain Drug Targeting*", **A.I.C.T.E Sponsored Regional Seminar** on Standardisation of Herbal Drugs, Shivalik College of Pharmacy, Nangal, 12-13 Sep 2009, ABS-44 (**2nd BEST PAPER AWARD**).
13. Richa Johar, Dipti Sharma, D.N. Prasad and **Rajesh K. Singh***, "*A Study on Awareness Regarding "Swine Flue" among Rural Area people*", **A.I.C.T.E Sponsored Regional Seminar** on Standardisation of Herbal Drugs, Shivalik College of Pharmacy, Nangal, 12-13 Sep 2009, ABS-35 (**2nd BEST PAPER AWARD**).
14. Amarjit Singh, D.N. Prasad, Goyal S and **Rajesh K. Singh***, "*Recent Progress in High Throughput Screening*", **A.I.C.T.E Sponsored Regional Seminar** on Standardisation of Herbal Drugs, Shivalik College of Pharmacy, Nangal, 12-13 Sep 2009, **ABS-19**
15. Kumar Mithlesh, Chauhan Gaurav, Rana Madhu, Dhruv Dev, Prasad D.N. and **Rajesh K. Singh***, "*Pharmaceutical Nanotechnology: Tools, Application and Scope*". **A.I.C.T.E Sponsored Regional Seminar** on Standardisation of Herbal Drugs, Shivalik College of Pharmacy, Nangal, 12-13 Sep 2009, **ABS-30**
16. Sapna Sharma, D.N. Prasad, Neeru Malik and **Rajesh K. Singh***, "Current and Futute Status of herval Medicines", **A.I.C.T.E Sponsored Regional Seminar** on Standardisation of Herbal Drugs, Shivalik College of Pharmacy, Nangal, 12-13 Sep 2009, **ABS-39**

17. **Rajesh K. Singh***, Prasad D.N., Kumar M, and Bhardwaj T.R., "*Synthesis and Evaluation of Novel Chemical Delivery System of Nitrogen Mustard to the Brain*", **Silver Jubilee Conference of IPGA-2009**, ISF college of Pharmacy, Moga, 7th-8th Nov 2009, B-23
18. **Singh Amarjit**, Prasad D.N., and **Rajesh K. Singh***, "*Reversible Redox Drug Delivery System: Selective Targeting of Drugs to the Brain*", **Silver Jubilee Conference of IPGA-2009**, ISF college of Pharmacy, Moga, 7th-8th Nov 2009, C-4
19. **Devi Sonia**, Prasad D.N., and **Rajesh K. Singh***, "*CNS Drug Delivery: Barriers, Molecular Physicochemical Properties and Various Strategies*", **Silver Jubilee Conference of IPGA-2009**, ISF college of Pharmacy, Moga, 7th-8th Nov 2009, C-6
20. **Sharma Dipti**, Johar Richa and **Rajesh K. Singh***, "*Nanomedicine: Nanotechnology in Health Care* ", **Silver Jubilee Conference of IPGA-2009**, at ISF college of Pharmacy, Moga, 7th-8th Nov 2009, C-7
21. **Johar Richa**, Sharma Dipti, Prasad D.N. and **Rajesh K. Singh***, "*A Recent Advances in Development of Needle-Free Injection Technologies*", **Silver Jubilee Conference of IPGA-2009**, ISF college of Pharmacy, Moga, 7th-8th Nov 2009, C-30
22. **Rana Rekha**, Devi Sonia, Singh A, Prasad D.N., and **Rajesh K. Singh***, "*Tumour Hypoxia: A Promising Target for a Selective Chemotherapy of Cancerous Cells*", **Silver Jubilee Conference of IPGA-2009**, ISF college of Pharmacy, Moga, 7th-8th Nov 2009, A-8
23. **Rajesh K. Singh***, Devi Sonia, Prasad D.N. and Bhardwaj T.R. "*Synthesis and Physicochemical Characterization of Dibenzazepine linked Nitrogen Mustard as Potential Brain Antitumour agent*", **61th Indian Pharmaceutical Congress, Ahmedabad**, 11-13 Dec., 2009, Abstract No. B-70
24. **Singh A**, Rana R, Prasad D.N. and **Rajesh K. Singh***, "*Synthesis and Studies of Reversible Redox Chemical Delivery System of Nitrogen Mustard Anticancer Agent*", **61th Indian Pharmaceutical Congress, Ahmedabad**, 11-13 Dec., 2009, Abstract No. B-254
25. **Johar R**, Sharma D, Singh H and **Rajesh K. Singh***, "*Are Doctors in Teaching Hospitals Really Serious About Pharmacovigilance? A Survey Report*", **61th Indian Pharmaceutical Congress, Ahmedabad**, 11-13 Dec., 2009, Abstract No. H-8
26. **Sharma D**, Johar R, Singh H and **Rajesh K. Singh***, "*Survey Study on the Correlation between the Body Mass Index and Socio economic Status and Prevalence of Diabetes*", **61th Indian Pharmaceutical Congress, Ahmedabad**, 11-13 Dec., 2009, Abstract No. H-9
27. **Sharma Shikha**, Prasad D.N. Kumar R and **Rajesh K. Singh***, "*Recent advancements in RNA targeted drugs: A brief review*", **INDIAN JOURNAL OF HOSPITAL PHARMACY**, Vol., 47 (6), Nov-Dec, 2010, pp 122 Abstract No PT-1

28. Sharma Ankita, Kumar R, Prasad D.N. and **Rajesh K. Singh***, “Recent innovation in cancer treatment by nanoshells”, **INDIAN JOURNAL OF HOSPITAL PHARMACY**, Vol., 47 (6), Nov-Dec, 2010, pp 124 Abstract No PT-8
29. Robita Duvedi, D.N. Prasad and **Rajesh K. Singh***, “Microwave assisted one-pot three-component synthesis of 1-Amidoalkyl-2-naphthols under solvent free conditions, **APTI-16th Annual National Convention 2011**, ISF College of Pharmacy, Moga, 07-09 October, 2011, Abstract No-MC 21
30. Sapna Malik, D.N. Prasad and **Rajesh K. Singh***, “Tannic acid catalyzed one-pot multi-component synthesis of Amidoalkyl naphthols, **APTI-16th Annual National Convention 2011**, ISF College of Pharmacy, Moga, 07-09 October, 2011, Abstract No-MC 47
31. Sharma Shikha, D.N. Prasad and **Rajesh K. Singh***, “Rapid and efficient synthesis of 1,5-benzodiazepine derivatives under solvent free, **APTI-16th Annual National Convention 2011**, ISF College of Pharmacy, Moga, 07-09 October, 2011, Abstract No-MC 27
32. Prabhjot, Akshdeep, D.N. Prasad and **Rajesh K. Singh***, “Pharmaceutical Waste: Causes, Effects and Management Strategies, **APTI-16th Annual National Convention 2011**, ISF College of Pharmacy, Moga, 07-09 October, 2011, Abstract No-PE-08
33. Akshdeep, Prabhjot, D.N. Prasad and **Rajesh K. Singh***, “Uncontrolled Proliferation of Pharmacy Colleges in India: Are we Ready for this Pharmacy Cancer? **APTI-16th Annual National Convention 2011**, ISF College of Pharmacy, Moga, 07-09 October, 2011, Abstract No-PE-08
34. Renu Bala, Mandeep Singh, Sahil Kumar, D.N. Prasad and **Rajesh K. Singh***, “A new drug target for antimalarial chemotherapy”, **National Seminar on Advancement, Challenges & Opportunities in Pharmaceutical Research**, Oct 18-20, 2013, Paper No 081.
35. Manpreet Saini, Mandeep Singh, D.N. Prasad and **Rajesh K. Singh***, “Development of novel approaches for the management of obesity”, **National Seminar on Advancement, Challenges & Opportunities in Pharmaceutical Research**, Oct 18-20, 2013, Paper No 056.
36. Sahil Kumar, Ashwani Kumar, **Rajesh K. Singh*** and T.R. Bhardwaj, “Design, docking, synthesis and antihypertensive evaluation of novel peroxisome proliferator activated receptor- γ (ppar- γ) agonists”, **17th Punjab Science Congress**, Theme: Science and Technology for Sustainable Growth, Feb 14-16, 2014, D036.

37. Naina Bagga, D.N. Prasad, Rajesh K. Singh, "Development of Dipeptidyl Peptidase-4 Inhibitors as Oral Hypoglycemic Agents in APTI Sponsored National Conference on "Emerging Trends in Computing Aided Drug Design and Drug Delivery on 11th May, 2017, CADDDP-14
38. Parminder Kaur, D.N. Prasad, Rajesh K. Singh, "Targetign Strategies for the Treatment of Brain Tumor" in APTI Sponsored National Conference on "Emerging Trends in Computing Aided Drug Design and Drug Delivery on 11th May, 2017, CADDDP-18
39. Shallu Chaudhary, D.N. Prasad, Rajesh K. Singh, "Combating Obesity using Natural Products and Neutraceuticals," in APTI Sponsored National Conference on "Emerging Trends in Computing Aided Drug Design and Drug Delivery on 11th May, 2017, CADDDP-26
40. Shilpa Sharma, D.N. Prasad, Rajesh K. Singh, "Cancer Nanomedicine:Challenges and Opportunities fro Treating Brain Tumour," in APTI Sponsored National Conference on "Emerging Trends in Computing Aided Drug Design and Drug Delivery on 11th May, 2017, CADDDP-33.
41. Rajesh K. Singh, Sahil Kumar and D.N. Prasad, "Drug Targeting to the Brain: Computational Strategies for Overcoming Bloodd-brain Barrier," in APTI Sponsored National Conference on "Emerging Trends in Computing Aided Drug Design and Drug Delivery on 11th May, 2017, CADDDP-05
42. Shipra Dev, Dhruv Dev, Rajesh K. Singh and D.N. Prasad, "Recent Advances in Drug Targeting by Various Novel Drug Delivery Systems," in APTI Sponsored National Conference on "Emerging Trends in Computing Aided Drug Design and Drug Delivery on 11th May, 2017, CADDDP-45

INTERNATIONAL CONFERENCES

1. Rajesh K. Singh*, Sahil Kumar, D.N. Prasad T.R. Bhardwaj, "*New Insight into Molecular Antimalarial Drug Targets*", **International Conference of Pharmacology and Drug Discovery Organized by Maharaja Agrasen University, Baddi, Himachal Pradesh, 04-06 Oct 2018.**
2. Rajesh K. Singh*, D.N. Prasad and T.R. Bhardwaj, "*Design, synthesis and study of 1,4-dihydropyridines based nitrogen mustard pharmacophore as anticancer agents*", **International Conference on Global Opportunities for Latest Developments in Chemistry and Technology (GOLD-CT-2014), School of Chemical Sciences, North Maharashtra University, Jalgaon. 06-08 Feb, 2014, OP-69 (BEST ORAL PRESENTATION AWARD).**
3. Rajesh K. Singh*, D.N. Prasad and T.R. Bhardwaj, "*Synthesis and study of novel alkylating anticancer agents for brain delivery using reversible redox prodrug approach*", **International Conference on Interdisciplinary Areas with Chemical Sciences (ICIACS 2013), 30-01 Nov-Dec, 2013, Panjab University, Chandigarh, C-6.**

4. Babita Patial, Sahil Kumar, Sachin Goyal, **Rajesh K. Singh** and **T.R. Bhardwaj**, “*A long march towards synthesis of various novel heterocyclics for the treatment of malaria*”, **Indo-Bulgaria International Conference, Recent Advances in Herbal Technology**, Sep 7, 2013, PCHEM-7.
5. **Rajesh K. Singh***, Singh A, Devi S, Prasad D.N., Kumar M and Bhardwaj T.R., “*Targeting Aniline Mustard across Brain by Reversible Redox Drug Delivery System*”, **14th ISCB International Conference on Chemical Biology for Discovery: Perspective and Challenges**, Organised by Indian Society of Chemist and Biologist, CDRI, Lucknow, Jan 15-18, 2010, P-91
6. Akshdeep Sandhar, D.N. Prasad, **Rajesh K. Singh***, “*Rapid and Efficient Tannic acid Mediated One-pot Synthesis of 1, 5-Benzodiazepines under Solvent-free Condition*” **International Conference on Global Trends in Pure and Applied Chemical Sciences**, 3-4 March 2012, Udaipur (Rajasthan) AB-255.
7. **Rajesh K. Singh***, D.N. Prasad¹ and T.R. Bhardwaj “*Synthesis, Alkylation Activity and Physicochemical Evaluation of Nitrogen Mustard Agent to Penetrate the Blood-Brain Barrier*” **International Conference on Global Trends in Pure and Applied Chemical Sciences**, 3-4 March 2012, Udaipur (Rajasthan) AB-213.
8. **Rajesh K. Singh***, Sumit, Deep Sharma, D.N. Prasad and T.R. Bhardwaj “*Synthesis and Study of Chemical Delivery System for Targeting Nitrogen Mustard to the Brain*” **International Conference on Global Trends in Pure and Applied Chemical Sciences**, 3-4 March 2012, Udaipur (Rajasthan) AB-241.
9. Sapna Malik, Robita Duvedi, D.N. Prasad and **Rajesh K. Singh***, “*Microwave assisted synthesis of 1-amidoalkyl-2-naphthols catalysed by Anhydrous Zinc Chloride*” **International Conference on Global Trends in Pure and Applied Chemical Sciences**, 3-4 March 2012, Udaipur (Rajasthan) AB-278.
10. Prabhjot Kaur, Heena Sharma, Rekha Rana, D.N. Prasad and **Rajesh K. Singh*** “*Comparative Study of Various Green Chemistry Approaches for the Efficient Synthesis of 1,4-Dihydropyridines*” **International Conference on Global Trends in Pure and Applied Chemical Sciences**, 3-4 March 2012, Udaipur (Rajasthan) AB-241.
11. Robita Duvedi, Sapna Malik, D.N. Prasad and **Rajesh K. Singh***, “*Environment Friendly, Efficient Chloroacetic Acid Promoted Synthesis of 1-Amidoalkyl-2-naphthols Under Neat Condition*” **International Conference on Global Trends in Pure and Applied Chemical Sciences**, 3-4 March 2012, Udaipur (Rajasthan) AB-259.

WORKSHOP/ PROFESSIONAL TRAINING/CONFERENCES

1. **Rajesh K. Singh**, Attended and Presented paper in Indian Science Congress held at Panjab University, Chandigarh, Jan-2004.
2. **Rajesh K. Singh**, Attended International Symposium on India Emerging as a Global Pharmaceutical Competitor, Panjab University, Chandigarh, 25-26 Feb, 2005.
3. **Rajesh K. Singh**, Ten days Industrial training on HPLC, GC and other sophisticated instruments at Ranbaxy Lab Ltd, Mohali (PUNJAB), 23-03 Dec-Jan 2004-2005.
4. **Rajesh K. Singh**, Invited for oral paper presentation in 10th Punjab Science Congress, Feb-2007.
5. **Rajesh K. Singh**, Invited for oral paper presentation in AICTE sponsored National Seminar organized by Industrial Development and Management Association (IDMA), March 2007.
6. **Rajesh K. Singh**, Attended and presented paper in AICTE sponsored National Seminar on “Emerging Trends in Advanced Drug Delivery System” organized by Sharad Pawar College of Pharmacy, Dec 2007, Nagpur.
7. **Rajesh K. Singh**, Attended and presented paper in 60th Indian Pharmaceutical Congress, New Delhi, 12-14 Dec., 2008.
8. **Rajesh K. Singh**, AICTE Sponsored two weeks Quality Improvement Programme on Theoretical and Practical training on Discovery and Development of New Chemical Entities organized by Poona College of Pharmacy, Bharathi Vidyapeeth University, Pune from 16 Feb-28 Feb 2009.
9. **Rajesh K. Singh**, One Week Summer Workshop on hand-on practical training on HPLC at NIPER, Mohali from July 13-July 17 2009.
10. **Rajesh K. Singh**, Attended A.I.C.T.E Sponsored Regional Seminar on Standardisation of Herbal Drugs, Shivalik College of Pharmacy, Nangal, 12-13 Sep 2009.
11. **Rajesh K. Singh**, Attended and presented paper in National Conference on Silver Jubilee Conference of IPGA-2009 organized by ISF college of Pharmacy, Moga, 7th-8th Nov 2009.
12. **Rajesh K. Singh**, Attended 30th Annual Conference of Biomedical Scientist (IABMS) organized by Indian Association of Biomedical Scientist, DRDO, Chandigarh 18th-20th November 2009.
13. **Rajesh K. Singh**, Attended and presented paper in 61th Indian Pharmaceutical Congress, New Delhi, 11-13 Dec., 2009.
14. **Rajesh K. Singh**, Attended and presented paper in 14th ISCB International Conference on Chemical Biology for Discovery: Perspective and Challenges, Organised by Indian Society of Chemist and Biologist, CDRI, Lucknow, Jan 15-18, 2010.
15. **Rajesh K. Singh**, Two Weeks Staff Development Programme sponsored by AICTE on “Modern Sophisticated Analytical Techniques and Their Applications in Pharmaceuticals from 16-30 July, 2011 at ISF college of Pharmacy, Moga.
16. **Rajesh K. Singh**, invited for oral for oral presentation in International Conference on Global Trends in Pure and Applied Chemical Sciences, 3-4 March 2012, Udaipur (Rajasthan) AB-213.

17. **Rajesh K. Singh**, attended a one day “Shoolini University-Biospectrum Student Lecture Series: Exploring Entrepreneurship and Corporate Opportunities”, at Shoolini University, Solan on 27 Feb 2013.
18. **Rajesh K. Singh**, invited for poster presentation in International Conference on Interdisciplinary Areas with Chemical Sciences (ICIACS 2013), 30-01 Nov-Dec, 2013, Panjab University, Chandigarh,C-6.
19. **Rajesh K. Singh**, invited for oral for oral presentation in International Conference on Global Opportunities in Chemistry and Technology (GOLD-CT-2014), North Maharashtra University, Jalgaon, 06-08 Feb 2014, OP-69.
20. **Rajesh K. Singh**, attended NBA sponsored one day Awareness Workshop on Outcome Based Education and Accreditation organized by NITTR, Chandigarh, IKGPTU and MRSPTU Bathinda on 21 January 2017 at NITTR Chandigarh.
21. **Rajesh K. Singh**, invited as **Chairperson** of “Oral Presentation Session” in APTI Sponsored National Conference on “Emerging Trends in Computing Aided Drug Design and Drug Delivery on 11th May, 2017.
22. **Rajesh K. Singh**, invited for Poster Presentation in APTI Sponsored National Conference on “Emerging Trends in Computing Aided Drug Design and Drug Delivery on 11th May, 2017.
23. **Rajesh K. Singh**, attended Training School on “Evolving Methodologies in Drug Discovery and Analysis” from 12th March to 17th March 2018 sponsored by UGC at Panjab University, Chandigarh.
24. **Rajesh K. Singh** invited for poster presentation in **International Conference of Pharmacology and Drug Discovery Organized by Maharaja Agrasen University, Baddi, Himachal Pradesh, 04-06 Oct 2018.**

ASSOCIATIONS/LIFE-MEMBERSHIP

- Life Member of APTI having Ref. No PU/LM-158
- Fellow of Institution of Chemist (FIC), Kolkata, India
- Registered Pharmacist to Punjab State Pharmacy Council having Registration No 30394
- Membership of International Association of Therapeutic Drug Monitoring and Clinical Toxicology, NewYork, USA.

PERSONAL BIO-DATA

- Date of Birth: 24th April 1980
- Nationality: Indian
- Marital status: Married, blessed with a daughter and a son.



Date 28-10-2018

(Dr. Rajesh Kumar Singh)