

RESUME

Raj Keshwar Prasad (Gold Medalist)

S/O Mr. R. B. Singh

Shambhunath Institute of Pharmacy, Jhalwa, Allahabad, U. P.-211012

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TEACHING EXPERIENCE

1. **Ten years** (16/08/2008 to till date) working as **Assoc. Prof.** at **Shambhunath Institute of Pharmacy**, Jhalwa, Allahabad.

QUALIFICATIONS

2008, M. Pharm. in Pharmaceutical Chemistry with 74.5%. Department of School of Pharmacy, Devi Ahilya Vishwavidyalaya, Indore, M. P.

2005, B. Pharm with 73%. (SITM-Lucknow) Uttar Pradesh Technical University, Lucknow.

1999, B. Sc. With 55.83% K. B. Post Graduate College, Mirzapur, Affiliated with Purvanchal University, Jaunpur, U. P.

ACHIEVEMENTS

1. **Ranbaxy Gold Medal** for academic excellence in **M. Pharm (Pharmaceutical Chemistry)** at School of Pharmacy, DAVV, Indore, M. P.
2. Qualified a National level entrance test, **GATE 2005 (95.45 percentile, AIR-520)** and **GATE 2006 (92 percentile)** conducted by Ministry of Human Resource and Development, Govt. of India to screen candidates for higher studies.
3. Awardees of fellowships granted by AICTE Govt. of India, during M. Pharm programme.
4. Qualified CCC with Grade C.

FACULTY DEVELOPMENT WORKSHOP

1. Faculty development workshop entitled 'Art and science of teaching' conducted by Oxford university at SIET Allahabad on July 08, 2014.
2. Faculty development workshop entitled 'SMART MATERIAL IN DRUG DELIVERY' sponsored by A. P. J. Abdul Kalam Technical University Lucknow at UIP, Naini Allahabad from 19th to 23rd January, 2016.

SKILLS AND EXPERTISE

1. Handling/running the modern analytical sophisticated instrument such as: HPLC, UV Spectrophotometer, FT-IR etc.

2. Software of the Molecular Modeling/ Homology Modeling / Drug Designing software such as Chem Office, V Life, Argus Lab and SPD viewer, MOE and AutoCAD etc.
3. QSAR studies (2D QSAR, 3D QSAR and Hansch QSAR), Pharmacophore, Molecular descriptors, Molecular Docking and Correlation analysis (MLR, PCA and PLS,).
4. Chemo informatics and computational chemistry like Pharmacophore modeling, computational Drug designing, Analogue Structure based drug design and discovery.
5. Synthesis of various Heterocyclic and medicinal compounds, Microwave assisted Synthesis.
6. Computer overview, Window operating system, MS-word, MS-Access, MS-Excel, MS-Power Point, MS-DOS etc.

BOOK PUBLICATION

1. **Raj K. Prasad**, R. Sharma, Estimation and Validation Methods for Drotaverine and Nimesulide, A spectrophotometric Technology, Lambert Academic Publication, Germany, 2012. **ISBN-978-3-659-11588-2**.
2. **Raj K. Prasad**, Pharmaceutical Organic Chemistry and Synthetic Importance” A guide book for pharmacy students, Lambert Academic Publication, Germany, 2015. **ISBN-978-3-659-89056-7**.
3. **Raj K. Prasad**, Rajesh. Sharma and Manoj Kumar Mishra, RP-HPLC of Pharmaceuticals, A Technique to Quantitative Approach and Validation, Lambert Academic Publication, Germany, 2017. **ISBN-978-3-330-05147-8**.
4. **Raj Keshwar Prasad**, Chemistry and synthesis of Medicinal Agent, BooKrix GmbH & Co. KG 80331 Munich, 2017. **ISBN-978-3-7438-2141-5**

PUBLICATIONS IN DIFFERENT NATIONAL AND INTERNATIONAL JOURNALS

1. QSAR Analysis of Novel N-Alkyl Substituted Isatin Derivatives as Anticancer Agents, **Raj K. Prasad**, Tamanna Narsinghani, Rajesh Sharma, *J. Chem. Pharm. Res.*, 2009, 1(1): 199-206.
 2. Simultaneous Estimation and Validation of Drotaverine Hydrochloride and Nimesulide in Tablet Dosage Form Using RP-HPLC, **Raj K. Prasad**, Rajesh Sharma, *Der Pharma Chemica*, 2010, 2(2): 241-248.
 3. Spectrophotometric Quantitative Estimation and Validation of Nimesulide and Drotaverine Hydrochloride in Tablet Dosage form, **R. K. Prasad**, Rajesh. Sharma, *International Journal of Pharmaceutical Sciences and Drug Research*, 2010; 2(1): 67-70.
 4. Simultaneous Estimation and Validation of Rabepazole Sodium and Diclofenac Sodium in Capsule Dosage Form, **Raj K. Prasad**, Rajesh Sharma *J. Chem. Pharm. Res.* 2010, 2(2): 186-196.
 5. Stability study of O/W emulsions using zeta potential, Nidhi Bhatt, **Raj K. Prasad**, Kuldeep Singh, G. M. Panpalia, *J. Chem. Pharm. Res.*, 2010, 2(1): 512-527.
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6. 3D QSAR Analysis of New N-linked 5-Triazolylmethyl Oxazolidinones Derivative as Antibacterial Agents, **Raj K. Prasad**, Rajesh Sharma, *Der Pharma Chemica*, 2010, 2(2): 241-248.
 7. Homology Modelling and Evaluation of Human TEK Tyrosine Kinase Using SWISS-MODEL Workspace, **Raj K. Prasad**, Rajesh Sharma and G. L. Prajapati, *J. Chem. Pharm. Res.*, 2010, 2(2): 440-451.
 8. QSAR Analysis of Pyrazinecarboxamides Derivatives as Herbicidal Agents, **Raj K. Prasad**, Rajesh Sharma, *J. Comput. Method. Mol. Design*, 2011, 1 (1): 7-13.
 9. Enhancement of Dissolution Rate of Domperidone Using Melt Granulation Technique A. K. Patel, **Raj K. Prasad** and M. Bajpai, *Der Pharmacia Lettre*, 2011, 3(2): 25-33.
 10. In Silico Analysis of Stem Bromelain, G. S. Shekhar, **P. Rajkeshwar** and P. Anil, *International Journal of Pharmaceutical and Chemical Sciences*, 2013, 2(2): 992-997.
 11. In Silico 2D-QSAR Analysis of 2-Aryl Pyridine Inhibitors of Mitogen Activated Protein Kinase-2 as Anti-Rheumatoid Arthritis Agents, **Raj Keshwar Prasad**, Rajesh Sharma, *American Journal of Phytomedicine and Clinical Therapeutics*, 2013, 1(1): 1-10.
 12. Synthesis, Characterization and Pharmacological Evaluation of Some Novel 3-indole Derivatives, Amit K. Singh, **Raj K. Prasad**, Chandra S. Singh, *Der Pharma Chemica*, 2013 5(2):311-319.
 13. Formulation and Evaluation of Super porous Hydrogel Composites of Metoprolol Tartrate, A. K. Patel, **Raj K. Prasad**, S. S. Gautam, Omprakash, *Research Journal of Pharmacy and Technology*, 2013, 6(6):655-658.
 14. Cosmeceuticals: Enhance the Health & Beauty of the Skin, Tinku K. Singh, Purna Tiwari, Chandra S. Singh, **Raj K. Prasad**, *World Journal of Pharmaceutical Research*, 2013, 2(5): 1475-1485.
 15. Thiadiazole: A Brief Review, Samiksha Srivastava, **Raj K. Prasad**, Rakesh Saini, *World Journal of Pharmacy and Pharmaceutical Sciences*, 2014, 3(9), 1198-1212.
 16. Pharmacotherapy of Swine flu: Prevention and Control, **Raj K. Prasad**, Tinku K. Singh, Purna Tiwari, *Journal of applied science and Humanities*, 2014, 1 (2), 61-66.
 17. Preparation and Characterization of Cilnidipine Nanoparticles for Oral Antihypertensive Drug Using Anti-solvent Precipitation Method. Bhawna Singh, Atul K. Sahu, **Raj K. Prasad** and S. S. Gautam, *Der Pharmacia Lettre*, 2016, 8 (3):296-307.
 18. Co-Crystals Formation of Clarithromycin with Urea: An Efficient Approach to Enhance the Solubility and Dissolution Rate. Pinki Rajbhar, S. S. Gautam, **Raj K. Prasad**, Anil K. Patel and A. K. Sahu, *American Journal of Advanced Drug Delivery*. 4(2), 2016, 12-20.
 19. Studies of anti-microbial activity using leaf extract of *Cynodon dactylon*. Kartikey Pandey, C. S. Singh, **Raj K. Prasad**, A. K. Singh and M. K. Mishra, *Der Pharmacia Lettre*, 2016, 8 (3):325-330.
 20. Formulation and evaluation of Ethosome for econazole nitrate a model drug to enhanced transdermal delivery. Praveen Kumar, Anil K. Patel, **Raj K. Prasad**, Singh S. Gautam, *International Journal of Pharmaceutics & Drug Analysis*, 4(3), 2016; 140 – 146.
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21. Formulation and Evaluation of an Injectable *In-Situ* Forming Hydrogel of Dacarbazine as Anticancer Agent Brijesh Kumar, Amit K. Singh, **Raj K. Prasad**, Chandra S. Singh, Vivek Dwivedi, *The Pharmaceutical and Chemical Journal*, 2016, 3(1):100-108
 22. Formulation and Evaluation of Mucoadhesive Buccal Tablets of Nateglinide Kumar Saumitra, Amit K. Singh, Manoj K. Mishra, Kuldeep Singh, **Raj K. Prasad**, *International Journal of Pharmaceutical Sciences Letters*. 2016, 6(2)| 038-043.
 23. Preparation and evaluation of organic spirulina with antidiabetic Charantin in vegetable capsule. Anurag Jaisawal, Amit K. Singh, **Raj K. Prasad**, V. Singh, S. S. Gautam, M. K. Mishra, *World Journal of Pharmacy And Pharmaceutical Sciences*, 2016, 5(4),1911-1922.
 24. Formulation and Evaluation of Timolol Maleate Transdermal Patches Using Various Permeation Enhancers. Apoorva Srivastava, Anil K. Patel, **Raj K. Prasad**, A. K. Sahu and S. S. Gautam, *American Journal of Advanced Drug Delivery*, 4(2), 2016, 21-31.
 25. Evaluation of anti-hyperglycemic activity and phytochemical screening using bark of *Syzygium cumini*. Gulshum Ali, Vikram Singh, A. K. Singh, S. S. Gautam and **Raj K. Prasad**, *Asian Journal of Plant Science and Research*, 2016, 6(3):80-86.
 26. Formulation And Evaluation of Febuxostat Microspheres For The Treatment of Gout, Mahendra, Sagar Bansal, **Raj K. Prasad**, Atul K. Sahu, *Global Journal For Research Analysis*, 5(4), 2016, 207-210.
 27. Solubility Enhancement of Clarithromycin Using Solid Dispersion and Effervescence Assisted Fusion Technique, Richa Mishra, S. S. Gautam, **Raj K. Prasad**, A. K. Patel, A. K. Sahu, *Research Journal of Pharmacy and Technology*, 9(6), 2016, 677-686.
 28. Formulation and Evaluation of Hard Vegetable Capsule for Healthy Brain Using Powder of Green Tea and Brahmi Extract, Akanksha Yadav, Atul K. Sahu, A. K. Singh, S. S. Gautam, **Raj K. Prasad**, *International journal of pharmacy and Pharmaceutical Research*, 2016, 6 (1), 8-21.
 29. Co-Crystal Formation Of Cilnidipine With Urea And Benzoic Acid: An Efficient Approach To Enhance The Solubility and Dissolution Rate, Yadav Punita, Mishra Manoj Kumar, Gautam Singh Shekhar, Sahu Atul Kumar, Prasad Raj Keshwar, *Journal of Medical Pharmaceutical and Allied Sciences*, 2016; 1-9.
 30. 2D QSAR in Silico Analysis of Indole Derivatives with Their Cyclooxygenase-2 Inhibitory as an Anti-Inflammatory Activity, Vidyakant Kushwaha, **Raj K. Prasad**, S. K. Nair, Vivek Dwivedi, *International journal of pharmacy and Pharmaceutical Research*, 2016, 6 (1), 98-108.
 31. In Silico 3D QSAR Analysis of New Furanones Derivatives as Antibacterial Agent, Vidyakant Kushwaha, Suresh Nair, Vivek Dwivedi, **Raj K. Prasad**, Pragya Dubey, *International Journal of Pharmaceutics & Drug Analysis*, 4 (6), 2016; 300 – 309.
 32. 3D QSAR Analysis of New 6-Methylsulfonyl Indole Derivative with Their COX-2 Inhibitory as Anti-Inflammatory Activity, Vidyakant Kushwaha, **Raj K. Prasad**, Suresh
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- Nair, Vivek Dwivedi, International Journal of Pharmaceutical Science and Research, 1(4); 2016; 01-04.
33. Spectrophotometric Simultaneous Estimation and Validation of Drotaverine Hydrochloride and Nimesulide in Tablet Dosage Form Using Various Methods, **Raj K. Prasad**, Vidyakant Kushwaha, Suresh Nair, Vivek Dwivedi, International Journal of Research in Pharmacy and Pharmaceutical Sciences, 1(4); 2016; 01-04.
 34. Blue Brain: Novel Tool of Drug Discovery for Brain Disorders, Radha Pal, Sonam Singh, **Raj K. Prasad**, International Journal of Pharmaceutical Science and Research, 1 (4), 2016, 09-14.
 35. Formulation and Evaluation of Clarithromycin Co-Crystals Tablets Dosage Forms to Enhance the Bioavailability, Pinki Rajbhar, Atul K. Sahu, S. S. Gautam, **Raj K. Prasad**, V. Singh, S. K. Nair, The Pharma Innovation Journal 2016; 5(6): 05-13.
 36. In silico 2D quantitative structure activity relationship studies of some new furanones derivatives as an antibacterial agents, Vidyakant Kushwaha, **Raj K. Prasad**, Vivek Dwivedi, Suresh K Nair, International Journal of Research in Pharmacy and Pharmaceutical Sciences, 1(2); 2016, 10-14.
 37. Formulation and Characterization of Ketorolac Tromethamine Nanoparticle with Eudragit RS-100 and RL-100 by Nano precipitation Method, Archana, Singh Shekhar Gautam, Manoj Kumar Mishra, **Raj Keshwar Prasad**, International Journal of Research in Pharmacy and Biosciences, 2017, 4 (1) : 17-23.
 38. *In-vitro* and *In-vivo* antioxidant activity of aqueous extract of bark of *Psidium guajava* Linn. Raksha Mishra, **Rajkeshwar Prasad**, Pallavi Tiwari, Mayank Srivastava, Am. J. PharmTech Res., 2017, 7(2):236-247.
 39. Antidiabetic activity and chemical characterization of aqueous root extract of carica papaya in alloxan induced diabetic rats, Mandvi tiwari, Kuldeep Singh, Raksha Mishra and Raj K. Prasad, European Journal of Biomedical AND Pharmaceutical sciences, 2017, 4 (5), 298-302.
 40. Antiulcer Activity Using Ethanolic Extract of *Tectona grandis* Linn. Root, Pravin K. Singh, Vivek Dwivedi, **Raj K. Prasad**, S. K. Nair, V. Kushwaha, M. K. Mishra, **IJPPR**, Human, 2017; 11 (1): 195-206.
 41. Formulation Development and Evaluation of Clarithromycin Nanoparticles Using Acrylic Polymer, Khushboo, Atul Kumar Sahu, **Raj K. Prasad**, Research J. Pharm. and Tech., 2017 10 (11), 1994-2005.

M. PHARM. RESEARCH PROJECT

Two Research project as a part of M. Pharm-

1. **Major project:** Development and Validation for Simultaneous Estimation of Drotaverine Hydrochloride and Nimesulide in Tablet Dosage Form Using Spectrophotometric and RP-HPLC Method.
2. **Minor project:** Simultaneous estimation and validation of Rabeprazole Sodium and Diclofenac Sodium in capsule dosage form.

PRESENTATION AND PARTICIPATION

1. "QSAR Analysis of 2-arylidene-4-(4-Phenoxy-Phenyl)-but-3-en-4-olides as Anti-inflammatory Agents" Poster presentation. 59th Indian P'ceutical congress 2007.

Department of Institute of technology, BHU, Varanasi. Organized by association of Pharmaceutical Teacher of India (APTI), Bangalore.

2. "Simultaneous Estimation and Validation of Rabeprazole Sodium and Diclofenac Sodium in Capsule Dosage Form" Poster presentation. Pharma Meet-2008, Organized by Indian Pharmaceutical association (IPA), M. P. State Branch, Indore, at IMS Auditorium, DAVV, Tskshhila campus, Khandawa Road, Indore.
 3. Participated in Pharma Meet-2009, held on 22nd March, 2009 as Delegate/Special Invitee/Resource Person, Organized by Indian Pharmaceutical association (IPA), M. P. State Branch, Indore, at IMS Auditorium, DAVV, Tskshhila campus, Khandawa Road, Indore.
 4. Participated in one day international seminar on "Computational Drug Discovery in Pharma Research & Development" Held at School of Pharmaceutical Sciences, Rajiv Gandhi Technological University, Bhopal on 2nd April, 2008.
 5. "2D QSAR of Pyrrolo-pyridine Inhibitors of mitogen activated protein kinase-2 as anti-rheumatoid arthritis agents" poster presentation at GGU, Bilaspur, 2008.
 6. Microwave assisted extraction: An innovative extraction technique for natural product, Poster Presentation. Organized by SHEAT college of Pharmacy, Varanasi, held on 20th Feb 2009.
 7. Participated in M. P. Pharma Meet-2007, Held on 24th march 2007, at University Auditorium, DAVV, Tskshhila campus, Khandawa Road, Indore. Organized by Indian Pharmaceutical association (IPA), M. P. State Branch, Indore.
 8. Participated in national seminar for short exposé on "BIOINFORMATICS: RESEARCH AND APPLICATION" delivered by Dr. Achuth Sankar Nair (Kerala University) and jointly organized by College Development Council (CDC) & Institute of Engineering and Technology (IET) during 16-17 October, 2007.
 9. Poster presentation in National seminar on 'Prospective role of pharmaceutical sciences and technology in the healthcare system of the community' Entitle 'Metabolomics: Study of Unique Chemical Fingerprint' Raj K. Prasad, S. Bhattacharya, Organized by SIP, Allahabad on 7th April 2012.
 10. Poster presentation in National seminar on 'Prospective role of pharmaceutical sciences and technology in the healthcare system of the community' Entitle 'Toxicogenomics: Combination of Transcript, Protein and Metabolite' Jyoti Mishra, Akansha Gupta, Prashant Shukla, Raj K. Prasad, Organized by SIP, Allahabad on 7th April 2012.
 11. Poster presentation in two day national seminar on 'Challenges in Drug Development and Research a Proactive Approach', Entitle "Dehydration: A Common Problem". Keerti Bhardwaj, Khushboo Usmani, Raj. K. Prasad. Organized by UIP, Naini, Allahabad, March 2013.
 12. Participated in two day national seminar Pharmarendevo: A meet on recent advances a pharmaceutical science held at department of pharmacy Sumandeep Vidyapeeth on Vadodara on 22nd and 23rd Feb 2013.
 13. Poster presentation in two day national seminar on 'Challenges in Drug Development and Research a Proactive Approach', Entitle "spectrophotometric simultaneous estimation and
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Validation of Drotaverine hydrochloride and Nimesulide in tablet dosage form, Raj K. Prasad, Rajesh Sharma, Sharad Kumar. Organized by UIP, Naini, Allahabad, March 2013.

14. Poster presentation in national conference on 'Lead development and drug designing: Emerging opportunity', Entitle "In silico 2D QSAR study", Raj. K. Prasad. Organized by UIP, Naini, Allahabad, 26 Sep. 2014.
15. Participated in one day national seminar on chemical laboratory safety and security by American chemical society held at Sam Higginbottom University of Agriculture, Naini, Allahabad on 6th Nov. 2017..
16. National Conference on "The opportunity of Pharmacy in current Scenario" held on 11th March 2018 organized by MOSOFIYA Group, Lucknow associated with IJHEPS JOURNALS.

INDUSTRIAL TRAINING IN B.PHARM

1. Undergone One month summer training in Production, Quality control and Quality assurance (Liquid Section) at U.P.D.H. LUCKNOW (U. P.

LANGUAGES

- 1) **Hindi**
- 2) **English**

PERSONAL DETAIL

- | | |
|----------------------|---|
| 1. Date of Birth | : 15 th May, 1979 |
| 2. Nationality | : Indian |
| 3. Gender | : Male |
| 4. Marital Status | : Married |
| 5. Father's name | : Mr. R. B. Singh |
| 6. Permanent Address | : Vill.- Semera, Post- Shahabganj
Chandauli, Uttar Pradesh,
232118, India |

DECLARATION

I hereby declare that the information furnished above is true to the best of my knowledge.

Date:

Place: Allahabad

Yours Sincerely,

(Raj Keshwar Prasad)
