

Dr. Priyanka Kamaria
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SUMMARY

Experience in Ligand based and structure based drug design, Insilico ADME profiling, QSAR, Docking, Pharmacophore Mapping, Homology Modelling, Virtual screening, lead optimization.

Looking forward for a challenging role in Pharmaceutical Research, drug designing and academics and intends to use my knowledge and skills to the best of my ability, to achieve organizational objectives and gaining experience so as to grow continuously.

EDUCATION

- **PhD(Medicinal and Pharmaceutical Chemistry)**
Shri Govindram Seksaria Institute of Technology and Science, Indore (M.P.) Aug 2012- Nov.2019
- **M. Pharm (Medicinal and Pharmaceutical Chemistry)**
Shri Govindram Seksaria Institute of Technology and Science, Indore, (M.P.) Aug 2007 - Jan. 2010.
- **B. Pharm**
Smriti College of Pharmaceutical Education, Indore (M.P.) Aug. 2003- June2007

PUBLICATIONS AND CONFERENCE PROCEEDINGS

- P. Kamaria, N. Kawathekar; “**Design, ADME Evaluation, Lewis Acid Catalysed Synthesis and Biological Evaluation of 1,4 Naphthoquinone Derivatives As Antimalarial Agents**”. International Journal of Pharmacy and Pharmaceutical Research, (2016) Vol. 6 (4): 92-103.
- P. Kamaria, N. Sitlani, P. Bharadia; “**Ligand Based Pharmacophore Mapping of Some Isonicotinohydrazone Derivatives as Antimicrobial Agents**” International Journal of Pharmacy and Pharmaceutical Sciences, (2016), Vol 8 (3): 80-97.
- P. Chaturvedi, P. Valentina and P. Kamaria; “**Synthesis, Characterization and Biological Evaluation of some novel condensed 3, 6-disubstituted-1,2,4-triazolo-1,3,4-thiadiazole derivatives**”, Der Pharmacia Lettre, (2013), 5 (4): 344-350.
- P. Kamaria, N. Kawathekar; “**Evaluation of Contribution of different molecular fragments on Antibacterial activity of Schiff’s bases of Indole-3-aldehyde based on QSAR study**”, Canadian journal of Chemistry (2013), 91(12): 1174-1178.
- P. Kamaria, N. Kawathkar; “**Ligand based 3D-QSAR analysis and Virtual screening in Exploration of New Scaffolds as Plasmodium falciparum Glutathione Reductase Inhibitors**”, Medicinal Chemistry Research (2013), 23 (1): 25-33.

- S.K. Patle, N. Kawathekar, M. Zaveri, P. Kamaria; “**Synthesis and Evaluation of 2,4,6-trisubstituted pyrimidine derivatives as novel Antileishmanial agents.**”, Medicinal Chemistry Research, (2012), 22(4): 1756-1761.
- P. Kamaria, N. Kawathekar, P. Chaturvedi; “**Microwave assisted synthesis and Antimicrobial evaluation of Schiff’s bases of indole-3-aldehyde**”, E- Journal of Chemistry, (2011), 8(1): 305-311.
- R.K. Maheshwari, V.K. Shrivastava, R.P Prajapat, A. Jain , P. Kamaria, S. Sahu; “**New Spectrophotometric Estimation of Ornidazole Tablets Employing Urea as a Hydrotropic Solubilizing Additive**”, Indian Journal of Pharmaceutical Sciences, (2010), 72(2): 258-261.
- P. Kamaria, N. Sitlani, P. Bharadia; “**Ligand Based Pharmacophore Mapping of Some Isonicotinohydrazone Derivatives As Antimicrobial Agents**” in International Conference on Innovations in Pharmaceutical Science held at Shri Aurobindo Institute of Pharmacy, Indore on 27th & 28th February 2016.
- P. Kamaria, M. Zaveri, N. Kawathekar; **Molecular Docking Study on Glitazones as PPAR- γ agonist.** International Conference on Molecular Medicine: MOLMED-2012 held at VIT, Vellore. Abstract No.ONC09.

PROFESSIONAL EXPERIENCE

ASSISTANT PROFESSOR GRADE-II January 2021 till date

KLE College of Pharmacy, Bengaluru, Karnataka

ASSISTANT PROFESSOR GRADE-II September 2016 to December 2020

East West College of Pharmacy, Bengaluru, Karnataka

- Teaching subjects like Principles of Drug Discovery to M.Pharm and Medicinal Chemistry, Organic Chemistry, Pharmaceutical Analysis to B. Pharm and Pharm Ds.

ASSISTANT PROFESSOR July 2015 to June 2016

Indore Institute of Pharmacy, Indore

- Taught subjects like Medicinal Chemistry, Inorganic Chemistry & Organic Chemistry.
- Participated in different Institutional activities like- member of RGPV Exam Question bank Committee, GPAT Exam Committee.
- Published 01 manuscript in peer-reviewed Journal and 01 poster in International Conference demonstrating Novel findings.

UGC RESEARCH PROJECT FELLOW, Dec 2010 – Dec 2012

Shri Govindram Seksaria Institute of Technology and Science, Indore (M.P.)

Worked as UGC Research fellow on project entitled: “Computer Assisted Designing of Novel Antimalarial Drugs”.

- Review of Novel drug targets of *Plasmodium falciparum*.

- **Computer Aided Drug Design** i.e. Pharmacophore model generation and 3D-QSAR study (using PHASE module of Schrödinger Molecular Modelling Suit)
- Virtual Screening Studies using different **databases like ASINEX PHASE database of Schrödinger software, ZINC, PUBCHEM and Maybridge database.**
- **Docking study using different softwares like Autodock, GLIDE, and MOLEGRO.**

Accomplishments:

- Developed knowledge of different drug design software along with their working and result interpretation.
- Founded Research gap in Antimalarial drug development.
- Published 03 manuscripts in peer-reviewed Journal demonstrating novel findings.

Lecturer Feb 2010 – Dec 2010

Swami Vivekanand College of Pharmaceutical Education, Indore

- Taught different subjects like Medicinal Chemistry, Pharmaceutical Analysis and Pharmaceutical Chemistry.
- Participated in different Institutional activities like worked as Seminar organizing Committee member and in other documental works.

Accomplishments:

- Ability to manage multiple tasks like- designing of experiments, teaching and documentation related works.
- Developed problem solving, time management, presentation & organizational skills.

TECHNICAL EXPOSURE OF INSTRUMENTS

- U.V. Visible Spectrophotometer (Shimadzu 1700 and 160 A).
- Monowave 300 microwave synthesizer

COMPUTER SKILLS & PROGRAMMING

- Proficient in usage of drug design softwares and applications of molecular modeling like Schrödinger (GLIDE, PHASE, Qikprop etc) MOLIDE, VEGA ZZ, NAMD, MOLEGRO, LIGAND SCOUT, MODELLER etc.
- Familiarity with Microsoft Office, (Word, Excel, and Power point), Window Xp.
- Skilled in usage of NCBI, Swiss-Prot, PDB and chemical compound databases.

AWARDS AND ACHIEVEMENTS

- Fellowship to work as **UGC Research Project Fellow** under UGC sanctioned project at SGSITS, Indore, M.P, India.
- **AICTE SCHOLARSHIP** by Ministry of HRD, India during M.Pharm.

- Qualified **GATE-2007** with 89 percentile organized by IIT, Kanpur.
- Awarded as “Best Personality of month” by S.G.M. Institute- An English & P.D. Academy, in Oct-2005.
- Working as reviewer in a peer reviewed International Journal ‘Medicinal Chemistry Research’ from October -2013 to present.
- Working as reviewer in a peer reviewed International Journal ‘British Journal of Pharmaceutical Research from May-2015 to present.
- Working as reviewer in a peer reviewed International Research Journal of pure and Applied Chemistry from Nov-2016 to present.

REFERENCES

Dr. (Mrs) Neha Kawathekar, M.Pharm., Ph D
Professor,
Department of Pharmaceutical Sciences
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Dr. R.K. Maheshwari, M. Pharm., Ph D
Professor,
Department of Pharmaceutical Sciences
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I, the undersigned, certify that all the information provided by me is true to the best of my knowledge and beliefs.

Date:

Place: Bangalore

(Dr. Priyanka Kamaria)