

Dr. Yogesh P Agrawal

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Personal Skills

Aggressive, young dynamic, Ability to deal with problems, willingness to learn, Team facilitator, Passion to contribute for research and grow with the organization.

Teaching Experience (5 year 9 months at UG and PG (2 year) level)

- Currently working as Assistant Professor at Government College of Pharmacy, Ratnagiri on contract basis from 16 Jan 2012 to till date.
- 03 year and 4 months worked as Assistant Professor at Smriti College of Pharmaceutical Education, Indore from 16 Oct 2008 to 14 Jan 2012.
- 01 year as Lecturer at NRI Institute of Pharmaceutical Sciences, Bhopal from 04 Oct 2007 to 14 Oct 2008.

Academic Credentials

Qualified GATE 2005 (Pharmaceutical) with 94.05 percentile

DOCTOR OF PHILOSOPHY

Doctorate in the field of medicinal chemistry from Gyan Vihar University, Jaipur in the faculty of Pharmacy awarded in compliance of the UGC regulation 2009 (Year 2009-2012).

POST GRADUATION

Master of Pharmacy with specialization in Medicinal Chemistry from Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal with first division (Year 2005-07).

GRADUATION

Bachelor of Pharmacy from Government College of Pharmacy, Amravati University with first division (Year 2001-2005)

SCHOOLING

12th Standard from Maharashtra State Board of Higher Secondary Education from Rastriya Junior College Achalpur (Aggregate: 73.0%)

10th Standard from Maharashtra State Board of Higher Secondary Education from Rastriya Junior College Achalpur (Aggregate: 69.60%)

Academic Projects

- **Ph.D. PHARMACY (Pharmaceutical chemistry)**
“Design, Synthesis and Biological Evaluation of some novel heterocyclic compounds for the management of Diabetes Mellitus”.

Ph.D. Exposure

- *Computer Aided Drug Design*
- *Synthesis of design compounds*
- *Characterization and structural interpretation of compounds by spectral studies*
- *In vivo and Ex vivo Screening of biological activity*

- **M. Pharm. (Pharmaceutical Chemistry)**
Title of Major Project: - *“Synthesis, Characterization and biological evaluation of 2-aminothio-imidazole benzamide as potent antitumor protein kinase inhibitors”.*
Title of Minor Project: - *“Microwave assisted synthesis and Characterization of flavones and its derivatives”.*
Other Performed Projects: - *“Bio-analytical estimation of furosemide in Human plasma by RP-HPLC method”.*
- **B. Pharm.**
Seminar presented on “Combinatorial Chemistry”.
Two month in plant training Experience in “Ashok Pharmaceutical Pvt. Ltd, Amravati”.

Research Expertise

- Research Scholar at SCOPE, Indore completed my research in the field of medicinal chemistry involving Structure base Drug Design, Docking, Multistep synthesis of novel Aldose Reductase inhibitors and dual PPAR α/γ agonist and their Characterization using spectroscopic methods with 3 years experience.
- HPLC based Bioanalytical method development & validation of API and formulation with 1 year experience

Professional Experience (Research)

- 01 year as Research consultant and assistant analyst in PharmBio Research Center Pvt. Ltd., Indore from Feb 2011 to Jan 12.

Job Description: To perform literature search, provide analytical support to Research team by conducting analytical method development and validation along with maintenance of Lab note books and calibration of instruments.

Issues Handled:

RP-HPLC base method development and validation of hydrophobic drugs

Bio-Analytical method development and validation at nanomolar level

HPLC base method development for multi-component formulations

Routing maintenance and Calibration of Sophisticated analytical Instruments

Research Contributions

➤ Conferences/Seminar

- Research paper presentation at National Symposium on Challenges in Drug Discovery Research: Networking Opportunities between Academia and Industries held at BITS Pilani, Rajasthan in April 2006.
- Research paper presented at “International conference of Medicinal Chemistry in India” in Bangalore entitled as “Microwave assisted synthesis and Characterization of flavones and its derivatives” in 2007.
- Presented paper on *Prediction of Chemical & Biological Properties of Chemical Compound from Molecular Structure* in M.P.1st APTI conference at Mandsour.

➤ National Publication

- Ghazala Khan, Dinesh Sahu, **Y. P. Agrawal**, Neetu Sabarwal, Avnish Jain and A. K. Gupta; “Simultaneous Estimation of Metformin and Sitagliptin In Tablet Dosage Form”; *Asian J. Biochem. and Pharm. Res.*, volume 1(2), 2011, Pages 352-358.
- Dinesh Sahu, **Yogesh P. Agrawal**, Neetu Sabarwal, Avnish Jain & Arun K. Gupta; “Simultaneous Estimation of Aceclofenac & Rabeprazole Sodium In Solid Dosage Form”; *Asian J. Biochem. and Pharm. Res.*, volume 1(3), 2011, Pages 13-21.
- **Yogesh P. Agrawal**, Mona Y Agrawal and Arun Kumar Gupta; “Synthesis, Characterization And Biological Evaluation Of Flavone Derivatives As Antidiabetic Agents”, *Asian Journal of Biomedical and Pharmaceutical Sciences* (Accepted)

➤ International Publication

- **Yogesh P. Agrawal**, Mona Y Agrawal and Arun Kumar Gupta; “Docking, “Synthesis and Evaluation of 2, 4- Thiazolidinedione Derivatives as Aldose Reductase Inhibitors for the Management of Diabetic Complications”, *Bioorg. Med. Chem.* (Communicated)
- **Yogesh P. Agrawal**, Mona Y Agrawal and Arun Kumar Gupta; “Spectrophotometric Estimation of Candesartan Cilexetil by Using Different Hydrotropic Agents, *International Journal of Pharmaceutical Sciences Letter* (Accepted)
- **Yogesh P. Agrawal**, Mona Y Agrawal and Arun Kumar Gupta; “Microwave Assisted Synthesis, Characterization and Evaluation of Flavone Derivatives as Antibacterial Agents”; *Research Gate: Pharmaceutical Sciences*, 1, 2013, 65-68.
- Arun Kumar Gupta, **Yogesh P. Agrawal**, Neetu Sabarwal, Sumeet Prachand, Sanjay Jain; “Insights through AM1 calculations into the structural requirement of 3,4,6-substituted-2-quinolone analogs towards FMS kinase inhibitory activity” *Euro. J. Med. Chem.*, Volume 45(8), 2010, Pages 3472-3479.
- Arun K. Gupta, Neetu Sabarwal, Amit Patidar, Arpit Patel, **Yogesh P. Agrawal**; “Rationalization of physicochemical characters and docking of 3-alkoxy-5-phenoxy-N-thiazolyl benzamide analogs toward glucokinase activator activity”; *Med. Chem. Res. Published Online* 2011.
- Rohan Gaikwade, Jyoti Pandey, **Yogesh P. Agrawal**, Neetu Sabarwal, Arun Kumar Gupta “Insights through molecular modeling into the structural requirement of

Phenyl(6-phenylpyrazin-2-yl)methanone derivatives as aldose reductase inhibitors”; *Int. J. Drug Design and Discovery.*, volume 2 (3), 2011, 575-583.

- Mona Agrawal, **Yogesh Agrawal**, Prakash Itankar, Arun Patil, Jayshree Vyas, Amruta Kelkar; “Phytochemical and HPTLC Studies of Various Extracts of *Annona squamosa* (Annonaceae)””; *Int. J. PharmTech Res.* volume 4 (1), 2012, 364-368.
- Arun K. Gupta, Megha Joshi, Neetu Sabarwal, **Yogesh P. Agrawal**, Sanjay Jain; “Novel Prodrug Of Simvastatin As Cascade Latentiated Inhibitor Of HMG-CoA Reductase”; *Asian J. of Pharm. and Clinical Res.* Vol 5 (1), 2012, Pages 50-52.
- Mona Agrawal, **Yogesh Agrawal** , Prakash Itankar , Arun Patil, Jayshree Vyas , Amruta Kelkar; “Pharmacognostical Evaluation of *Annona squamosa* Linn.””; *Int. J. of Phytomed.*, volume 3, (2011), 480-485.
- **Yogesh P. Agrawal**, Ajay Verma, Mona Y. Agrawal, Arun K. Gupta; “Simultaneous estimation of esomeprazole and levosulpiride in solid dosage form”; *Der Pharmacia Sinica.* , volume 3 (3), 2012, 337-342.
- **Yogesh P Agrawal**, Mona Y Agrawal, Arun K Gupta; “Emerging molecular targets for the treatment and management of Diabetes millitus- A Review”; *Int. J. of Pharmaceutical Sci.*, 5 (1), 2013; 2000-2015.
- Mona Y Agrawal, **Yogesh Agrawal**, Prashant B Shamkuwar, “Phytochemical and Biological Activities of *Chenopodium Album*-A Review”; *International Journal of Research in pharmacy and ayurveda* (Accepted)

Professional Expertise

- HPLC, UV, FTIR, Autoanalyzer, microplate reader, Microwave.
- Monitoring of synthesis of new chemical entity from milligram scale to gram and Purification of final compound by chromatographic technique
- Characterization of final compound by NMR, Mass, IR-Spectroscopy.
- Calibration of analytical instruments – HPLC, FT-IR, UV-Spectrophotometer.

Computer Proficiency

- Operating System : Microsoft Windows (Windows 7\ XP\2000)
- Packages : Chem Office , MS Office (Word, ppt, Excel)
- Drug Design Software’s
 - 1. QSAR tools :Valstate, Openstate
 - 2. Docking Tools :GLIDE, AutoDock
 - 3. Molecular Modeling Packages :MOE, Maestro, Molegro
- Analytical Software’s
 - 1. HPLC : Empower (Waters), Clarity (Analytical)
 - 2. FTIR : GRAM AI (ABB), Spectral Manager (JASCO)

Awards/ Achievements

➤ Academic

- Awarded by Ratan Tata fellowship in B. Pharm for the year 2002.
- Awarded UGC Junior Research fellowship in M. Pharm for the year 2005-07.

➤ Extra – curricular

- Directed Dramas in Youth Festival conducted by Amravati University.
- Actively participated in various sports, quiz, debate & elocution competitions at inter school and Amravati University level.
- Secured Best Actor Award In Zenith-2005.
- Worked as a member of NBA Accreditation committee at SCOPE Indore.
- Organized various sports and cultural events at college levels.
- Organized various seminars and analytical Instrumentation based training programmer.

Personal Details

Marital Status: - Married

Date of Birth: - 23rd June 1983

PAN Card No.:- ALHPA0743Q

Date:

Place: Ratnagiri

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