


Prof./Dr./Mr./Ms. Neha Kawathekar

1. Personal Information		
(i)	Name	Dr. (Mrs.) Neha Kawathekar
(ii)	Qualification	Ph. D. , M. Pharmacy
(iii)	Designation	Professor
(iv)	Email-id	kawathekar.neha@gmail.com
(v)	Employee No.	208
(vi)	Department	Pharmacy
(vii)	Experience	30 Years



2. Educational Qualification

S. No.	Degree	Specialization	Year	University/Board
1	Ph.D.	Pharmacy	1997	Devi Ahilya Vishwavidhyalaya, Indore
2	M. Pharmacy	Pharmaceutical Chemistry	1991	Devi Ahilya Vishwavidhyalaya, Indore
3	B. Pharmacy	Pharmacy	1982	Indore University, Indore

3. Research Interests

Synthetic chemistry, CADD, Malaria, Tuberculosis, Diabetes, Inflammation.

4. Research Paper Publications

(I) International/National Journal Publications

S.Shahapurkar, T. Pandya, **N.Kawathekar**, S.C.Chaturvedi; Quantitative Structure Activity Relationship Studies of Diaryl Furanones as Selective Cox-2 Inhibitors, European Journal of Medicinal Chemistry, 2004, 39, 383-388.

Shahapurkar S, **Kawathekar N**, Chaturvedi S C; Quantitative Structure Activity Relationship Studies of Diaryl Theophen as Selective Cox-2 Inhibitors, Die Pharmazie, 2005/4, 60, 254-258.

Pradeep K Goel, Rakesh K Jatav, and **N. Kawathekar**; 3D-QSAR Study of 2-Morpholinochromones as Selective PDE2 Inhibitors, Asian Journal of Chemistry, Vol. 18, No. 1(2006), 268-274.

Lalhriatpui TC, Rakesh K Jatav, Pradeep Goel, and **N. Kawathekar**; Simultaneous estimation of Metronidazole and Ofloxacin in suspension dosage form using uv/visible spectrophotometer, Asian Journal of Chemistry, Vol. 18, No. 1(2006), 559-565.

Gajanan Wanare, **N. Kawathekar**, Rahul Aher & Dinkar Sahal; Design, synthesis and evaluation of

pyranochalcones and pyrazoline derivatives as novel antimalarial agents, <i>Bioorganic & Medicinal Chemistry Letters</i> 20, (2010), 4675–4678
Priyanka kamaria, N.Kawathekar , Prerna Chaturvedi ; Microwave assisted synthesis & antimicrobial evaluation of Schiff bases of indole-3-aldehyde, <i>E-Journal of chemistry</i> , 8, (2011)
Sandeep Kumar Patle, Neha Kawathekar , Mehul Zaveri, Priyanka kamaria; Design, synthesis and evaluation of 2, 4, 6,-Trisubstituted Pyrimidine derivative as novel antileishmanial agents, <i>Medicinal chemistry research</i> , (2012) DOI 10.1007/s00044-012-0167-y
Sita Prasad prajapati, Navin kumar kaushik, Mehul Zaveri, Dinesh mohnakrishnan, Neha kawathekar , Dinkar sahal; Synthesis, characterization and antimalarial evaluation of new β -benzoylstyrene derivatives of acridine, <i>Arabian journal of chemistry</i> ,(2012).
Varsha Hardikar, Neha Kawathekar; Reaching goals of Hypertension-role of Angiotensin II receptor blockers, <i>Journal of Engineering science and management Education</i> (4),(2012), 650-655.
Sheelu Philip, Neha Kawathekar, S.C. Chaturvedi; Synthesis and Biological Evaluation of Flunoxapofen Glycinate Methyl Ester, A Prodrug Approach, <i>Indian Drugs</i> 33 (10), 527-529.
R.Mahorana, N. Kawathekar, S.C.Chaturvedi; Simultaneous Spectrophotometric Estimation of Triprolidine Hydrochloride and Pseudophedrine Hydrochloride in Pharmaceutical Dosage Form, <i>Indian Journal of Pharmaceutical Sciences</i> , May-June 1996, 58(3) 93-95
N. Kawathekar, S.C.Chaturvedi; Synthesis, Biological Evaluation and QSAR analysis of some New Derivatives of Ketoprofen, <i>Eastern Pharmacist</i> , June.1997, 117-120
N. Kawathekar, S.C.Chaturvedi; Synthesis, Biological Evaluation and QSAR analysis of some New Derivatives of Ketoprofen and Flurbiprofen, <i>Indian Journal of Pharmaceutical Sciences</i> , 1998,60(6), 346-352
T C Lalhriatpuii and N. Kawathekar; Derivative Spectrophotometric Estimation of Pioglitazone and Metformin HCL, <i>Indian Drugs</i> , 42(11), 740-743.
Pradeep K Goel, Rakesh K Jatav & N. Kawathekar, "QSAR and Synthesis of 1H-benzimidazole derivatives as potent antiprotozoal agents", <i>Indian Drugs</i> , 44(9), 664-671.
Lalhriatpuii T.C., Jatav Rakesh K. and Kawathekar N, Simultaneous Estimation of Metronidazole and Furazolidone in Tablet Dosage Form using UV/Visible Spectrophotometer, <i>Current Pharma Research Journal</i> , 2006, 01(02), 59-63.
Sita Prasad prajapati, Navin kumar kaushik, Mehul Zaveri, Dinesh mohnakrishnan, Neha kawathekar , Dinkar sahal; <u>Synthesis, characterization and antimalarial evaluation of new β-benzoylstyrene derivatives of acridine</u> , <i>Arabian journal of chemistry</i> , 2012.
Varsha Hardikar, Neha Kawathekar, Reaching goals of Hypertension-role of Angiotensin II receptor blockers, <i>Journal of Engineering science and management Education</i> , 2012, 650-655.
S. K. Patle, N. Kawathekar, M. Zaveri, P. Kamaria, Synthesis and evaluation of 2,4,6-trisubstituted pyrimidine derivatives as novel antileishmanial agents, <i>Medicinal chemistry research</i> , 2013, 1756-1761.
P. Kamariya, N. Kawathekar, Evaluation of Contribution of different molecular fragments on Antibacterial activity of Schiff bases of Indole-3-aldehyde based on QSAR study, <i>Canadian Journal of Chemistry</i> 91(12) · August 2013.
P. Kamariya, N. Kawathekar, Ligand-based 3D-QSAR analysis and virtual screening in exploration of new scaffolds as <i>Plasmodium falciparum</i> glutathione reductase inhibitors, <i>Medicinal chemistry research</i> , 2014, 25-33.
Varsha Hardikar, Neha Kawathekar; Ligand based Pharmacophore Modeling of some Angiotensin II Receptor Antagonist, <i>Research Journal of Chemical Sciences</i> , Vol. 5(3), March 2015, 57-62.

Kalpna Singh Parihar, Mehul Zaveri, Gourav Jain, Neha Kawathekar*, Ruchi Dwivedi, Design, Synthesis and Evaluation of Hybrids Based on Quinoline and Acridine Scaffolds as Antimalarial Agents, International Journal of Pharmacy and Pharmaceutical research, 2016.
Heena Sayyed, Mehul Zaveri, Gourav Jain, Neha Kawathekar*, Amita Patel, Design, Synthesis, and Biological Evaluation of Some New Benzostyrene Incorporated Phenyl Styryl Ketone Derivatives as COX-2 Inhibitors with Anti-Inflammatory Activity, International Journal of Pharmacy and Pharmaceutical research, 2017.
Ayushi Nigam, Neha Kawathekar, Mehul Zaveri, Gourav Jain, Thiosemicarbazone and Benzimidazole Hybrid Molecules: The Privileged Scaffolds for Anti-Bacterial Activity, International Journal of Innovative Science, Engineering & Technology, Vol. 4 Issue 10, October 2017
Ritu Sharma, Mehul Zaveri, Gourav Jain, Neha Kawathekar, Association of Antidiabetic Medication Targeting ppar-Gamma Agonists: Design, Synthesis & Evaluation, IOSR Journal Of Pharmacy Volume 7, Issue 9 Version. II (September 2017), PP.06-17.
Mehul Zaveri, Neha Kawathekar, Synthesis and antimalarial activity of some new 3-phenyl-2-Thioxothiazolidin-4-one derivatives, International Journal of Current Pharmaceutical Research, Vol 9, Issue 3, 2017.
Mehul Zaveri, Neha Kawathekar, Synthesis, Characterisation and Antimalarial Activity of Some New 3-Benzyl-2-Thioxothiazolidin-4-One Derivatives, International Journal of Pharmacy and Pharmaceutical research, February 2017 Vol.: 8, Issue: 3.
Mungre S., Jain P., Kawathekar N., Joshi S., "Phase Assisted 3D QSAR, Microwave Enhanced Synthesis and Evaluation of Quinoline based Antimalarial Agents" International Journal of Innovative Science and Research Technology, 2018, 3(12), 720-727
Mungre S., Joshi S., Kawathekar N., "In Silico Molecular Docking, Synthesis And Evaluation Of Imidazole Derivatives As Antimalarial Agents" Asian Journal of Research in Chemistry And Pharmaceutical Sciences, 2019, 7(1), 16-25.
Joshi S., Verma P., Jain G., Mungre S., Kawathekar N., "Design, Microwave Assisted Synthesis And Antibacterial Evaluation Of Nephrotoxicity Free Aminoglycoside Scaffolds" Asian Journal of Research in Chemistry And Pharmaceutical Sciences, 2019 7(3), 857-872
(II) International/National Conference Publications
S.Vyas, N.Kawathekar and S.C.Chaturvedi; N-Hydroxy methyl Derivatives of Ketoprofen 'A Prodrug Approach', 53rd International Congress of Pharm. Sciences, Tokyo (Japan), 6-10 th Sept.1993.
I. Singhvi, N.Kawathekar, S.C.Chaturvedi; Synthesis and Biological Evaluation of Pirprofen Glycinate Methyl Ester 'A Prodrug Approach, 46 th Indian Pharmaceutical Congress, Chandigarh, Dec.94, Med.Chem. Sec.B-4.
Irukulla, Kawathekar.N., Gaud.R.S., and Chaturvedi.S .C.; Fabrication of Diclofenac Sodium microcapsules by air suspension technique, World Pharmacy Congress, Vancouver (Canada), 31 st Aug.-5 th Sept.1997.
Beena Ashok, Neha Kawathekar, S.C.Chaturvedi; Pharmacophoric mapping of 2-alkyl-1-[2'-(1H-tetrazol-5-yl)Biphenyl-4-yl]-H-Benzimidazole derivatives 'A class of Angiotensin II receptor Antagonists', 17th Asian Congress of Pharmaceutical Sciences Jointly with 50 th I.P.C. Mumbai, Dec.1998.
Keshav K. Awasthi, Sheetal Shahapurkar, N. Kawathekar, S. C. Chaturvedi and Anil K. Saxena, 3D-QSAR analysis of substituted benzamides acting as anti-inflammatory agents, Symposium on Current Trends in Drug Discovery Research (CTDDR-2001, 11-15th Feb. 2001), CDRI, Lucknow.
S.Shahapurkar, N.Kawathekar, S.C.Chaturvedi; 2 D QSAR Analysis of some 1,5- Diaryl Pyrazoles as selective Cox-2 Inhibitors, 53 rd Indian Pharmaceutical Congress, New Delhi, Dec.2001, Poster presentation.
Rakesh Awasthi, Rakesh K. Jatav, Gyan Prakash Mishra, Arun Kumar Gupta, Neha Kawathekar, S.G. Kaskhedikar; Quantitative Structure Activity Relationship of 3,4-Dihydroquinazoline derivatives as novel

selective T-type Ca ⁺² channel blocker, 56 th Indian Pharmaceutical Congress, Kolkata, Dec.2004, Med.Chem. Sec.BP-12.
Rakesh K. Jatav, Mehul Zaveri, Prashant Hemnani, Pradeep K. Goel, Neha Kawathekar; Rationalization of physico-chemical properties of 4,5,6,7 Tetrabromobenzimidazole towards protein kinase CK2 inhibition: A QSAR approach, 57 th Indian Pharmaceutical Congress, Hyderabad, Dec. 2005, Med. Chem. Sec. BP5.
Varsha Hardikar, Mehul Zaveri, Rakesh K. Jatav, Neha Kawathekar; 3D-QSAR Studies of Indazole-Derived SAH/MTA Nucleosidase Inhibitors as Anti-Microbial Agents, 57 th Indian Pharmaceutical Congress, Hyderabad, Dec. 2005, Med. Chem. Sec. BP71.
Rakesh Awasthi, Pankaj Pandey, Rakesh K Jatav, Neha Kawathekar; Quantitative Structure Activity Relationship of novel indirubin anti-proliferative agents with CDK2 inhibitory activities, 58 th Indian Pharmaceutical Congress, Mumbai, Dec. 2006, Med. Chem. Sec. BP17.
Anshuman Dubey, Pankaj Pandey, Jhannalal Patel, Rakesh Awasthi, Neha Kawathekar; Quantitative Structure Activity Relationship of Pyridinium-1-yl-Bisphosphonates as potent inhibitors of Farnesyl Diphosphate Synthetase, 58 th Indian Pharmaceutical Congress, Mumbai, Dec. 2006, Med. Chem. Sec. BP86.
Jhannalal Patel, Nadeali Bohra, Pankaj Pandey, Neha Kawathekar; '3D-QSAR studies of potent and selective inhibitors of PDGF autophosphorylation'. 59 th Indian Pharmaceutical Congress, Varansi, Dec. 2007, Med Chem Sec.B156.
Jhannalal Patel, Nadeali Bohra, Pankaj Pandey, Neha Kawathekar; 'Rationalization of physico-chemical properties of aminoquinazoline uriedoquinazolines and their nitrosourea derivatives towards EGFR inhibition'. 59 th Indian Pharmaceutical Congress, Varansi, Dec. 2007, Med Chem Sec.B157.
Jhannalal Patel, Nadeali Bohra, Pankaj Pandey, Neha Kawathekar; 'Synthesis and biological evaluation of novel fluoxetine analogs as selective serotonin reuptake inhibitors'. 59 th Indian Pharmaceutical Congress, Varansi, Dec. 2007, Med Chem Sec.B173.
Rakesh k. Jatav, Neha Kawathekar Quantitative Structure Activity Relationship of pyrazole as partial agonists for the Nicotinic Acid Receptor 59 th Indian Pharmaceutical Congress Varansi, Dec. 2007, Med Chem Sec.B78.
Neha Kawathekar, Rakesh k. Jatav Quantitative Structure Activity Relationship of Sulphur containing 9-anilinoacridines as anti-tumor agent 59 th Indian Pharmaceutical Congress Varansi, Dec. 2007, Med Chem Sec.B290.
N.kawathekar, P.Pandey, J.patel. Synthesis Characterization,Biological Evaluation of Novel fluoxetine Analogs as Selective Serotonin Reuptake Inhibitors.Ninth Tetrahedron Symposium 'Challenges in Organic and Bioorganic chemistry'.22-25 July 2008.Berkeley. CA. USA.
A. Baghel, N. kawathekar, D. Kumar, S. Bishnoi. QSAR Analysis of some mannich bases of heterocyclic chalcone analogs as cytotoxic agents. 60 th Indian Pharmaceutical Congress Delhi, Dec. 2008, Med Chem Sec.MC29.
Wanare G, Ranjan R, Kawathekar N, Sahal D. Synthesis and Biological Activity of Pyranochalcones and Pyrazoline Derivatives as Novel Antimalarial Agents. 60 th Indian Pharmaceutical Congress Delhi, Dec. 2008, Med Chem Sec.MC228.
Aher R, Ranjan R., Kawathekar N, Sahal D.Synthesis and Evaluation of Novel Dibvenzylideneacetones and Its Pyrazoline Derivatives as Curcumin Analogs for Antimalarial Activity. 60 th Indian Pharmaceutical Congress Delhi, Dec. 2008, Med Chem Sec.MC230.
Jain S, Bohra N, Kawathekar N. Synthesis and Evaluation of Novel Oxadiazole Mannich Base Derivatives as Antimicrobial Agents. 60 th Indian Pharmaceutical Congress Delhi, Dec. 2008, Med Chem Sec.MC224.
Garg S.K., kawathekar N., Zaveri M., kamaria P. Synthesis, characterization and biological Evaluation of Some new Schiff Bases as potent Antimicrobial Agents. 63 rd Indian Pharmaceutical Congress Bengaluru, Dec. 2011, Med Chem Sec.B-292.

Kamaria P., Zaveri M., Kawathekar N., Molecular Docking Study on Glitazones as PPAR- γ agonist. International conference on Molecular Medicine: MOLMED-2012 held at VIT, vellore. Abstract No.ONC09.
Kawathekar N. , Jhariya A, Zaveri M. Synthesis, characterization and biological Evaluation of Some New 2-(4-oxo-2-Thioxothiazolidin-3-yl)acetic acid derivatives as potent Antimalarial agents. Abstract No.B253.
Zaveri M, Dhakde S, Kawathekar N. Synthesis, characterization and antimalarial Evaluation of new 2-aniline 1,4-naphthoquinone derivatives Abstract no B-58 (Poster presentation in 65 th Indian Pharmaceutical Congress held on 20-22 Dec 2013 at AMITY University, Noida).
N. Kawathekar.,M. Zaveri, P. Jain Molecular Docking and ADME Prediction Studies of Sulphonamide Derivatives as PfPK5 Abstract no B-9 (Poster presentation 65 th Indian Pharmaceutical Congress held on 20-22 Dec 2013 at AMITY University, Noida).
S. Joshi, M. Zaveri, G. Jain and N. Kawathekar, Synthesis and Evaluation of 1, 2, 3, 4 -Tetrahydropyrimidine-5-CarbahydrasideDerivatives as Antimicrobial Agents, International Conference on Innovations in Pharmaceutical Sciences, Sri Aurobindo Institute of Pharmacy (SAIP), Indore, 2016.
Verma P., Singh K., Chourasiya V., Mangal H., Zaveri M., Jain G., Kawathekar N., Ligand Based Pharmacophore Modeling, 3d-Qsar Studies, Synthesis And Antimicrobial Evaluation Of New Isoniazid Derivatives, International Conference on Innovations in Pharmaceutical Sciences, Sri Aurobindo Institute of Pharmacy (SAIP), Indore, 2016.
Kumar. A. N., Dwivedi R., Agrawal. A., Patel. A, Zaveri M., Jain. G, Kawathekar N., Synthesis And Biological Evaluation Of Acridine Derivatives As A Potent Anti Malarial Agents, International Conference on Innovations in Pharmaceutical Sciences, Sri Aurobindo Institute of Pharmacy (SAIP), Indore, 2016.

5. List of Conferences/Workshops/Seminars Organized

Worked as Chairman (Scientific Services Committee) in Indian Pharmaceutical congress Dec 2000, Indore.

Worked as Chairman (Scientific Services Committee) in IPA Pharma Meet 2013, Indore held on 17 February 2013.

6. Invited Lectures/Expert Talks/Chairmanships at Conferences

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