

RESUME

Dr. Abhishek Kumar

Assistant Professor Grade-III
Department of Pharmaceutical Chemistry
NGSM Institute of Pharmaceutical Sciences
Paneer, Deralakatte, Mangalore - 575 018
Mobile: 8746063684
E-mail: abhi12bunty@gmail.com



Date of Birth: 13-01-1981

Field of Specialization: Pharmaceutical Chemistry

Date of Joining NGSMIPS: 14-11-2009

EDUCATION QUALIFICATIONS

Ph.D (2016): NGSM Institute of Pharmaceutical Sciences, Mangalore, Nitte University.

M.Pharm (2009): Manipal College of Pharmaceutical Sciences, Manipal. Manipal University and secured 71.35%.

B.Pharm (2007): Manipal College of Pharmaceutical Sciences, Manipal. Manipal University and secured CGPA 8.02.

RESEARCH INTEREST

Synthesis, Characterisation and Biological Activity studies of Substituted Benzopyrone Derivatives

SUBJECTS TEACHING

Pharmaceutical Organic Chemistry–II (Theory), Medicinal Chemistry-II for B.Pharm, Medicinal Chemistry (Theory), Pharmaceutical Inorganic Chemistry and Pharmaceutical Analysis for Pharm.D.

WORKSHOPS/ SEMINARS ATTENDED

1. Participated in Workshop on Computer Aided Drug Design and Molecular modeling By Vlife Sciences technologies Pvt Ltd. in Manipal University
2. Participated in AICTE sponsored Quality Improvement Program organized by Manipal University from 12th-24th Nov. 2007
3. Participated in AICTE sponsored Quality Improvement Program organized by Manipal University on 20th-25th Oct. 2008

4. Participated in PHILIPS sponsored Workshop on Soft Skills in Rotary Club of Udupi-Manipal on 5th Nov, 2006.
5. Participated in Seminar on Combinatorial Chemistry by Dr. Lakshmi P. Kotra at MCOPS, Manipal.
6. Participated in Seminar on Calcium channel Blockers in the management of hypertension by Dr. G. Jagadeesh, USFDA at MCOPS, Manipal.
7. Participated in Seminar on Green Chemistry by Dr. K.S Jain.
8. Participated in the National Seminar on “Basic Concepts of CADD & its Applications in Pharmacy” on 5th Feb 2010, held at NGSM Institute of Pharmaceutical Sciences, Paneer, Deralakatte, Mangalore.
9. Participated in the CDE Programme on “Application of Nanotechnology in Medicine” on 20th Feb 2010, at Vimshathi Bhavan, A.B. Shetty Memorial Institute of Dental Sciences, Deralakatte, Mangalore.
10. Participated in National level Workshop sponsored by Nitte University, Mangalore on “Innovative trends in Pharmaceutical Research” from 28th-29th July, 2010 at NGSM Institute of Pharmaceutical Sciences, Paneer, Deralakatte, Mangalore.
11. Participated in the two day Workshop sponsored by Nitte University, Mangalore on “Basic techniques in Experimental Pharmacology” from 17-18th Aug, 2010 at NGSM Institute of Pharmaceutical Sciences, Paneer, Deralakatte, Mangalore.
12. Participated in the AICTE sponsored Quality Improvement Programme on "Pharmacists for Better Health: Challenges ahead ..." organized by Manipal College of Pharmaceutical Sciences on 6-7th Dec. 2010.
13. Participated in a National Workshop on “Research Methodology” held on 14th March 2010, at K.S Hegde Charitable Hospital, Deralakatte, Mangalore.
14. Participated in the two day Workshop sponsored by Nitte University, Mangalore and ICMR on “Conservation on Medicinal Plants and Preservation of Traditional Medicinal Plant Knowledge Base” from 4-5th Aug, 2011 organized by NGSM Institute of Pharmaceutical Sciences, Paneer, Deralakatte, Mangalore.
15. Participated at the In-Campus Workshop sponsored by Nitte University, Mangalore on “Inventing-Ideating-Patenting” held on April 2012, at K.S Hegde Charitable Hospital, Deralakatte, Mangalore.
16. Attended and participated in the 40 hour course on “Research Methodology& Biostatistics” held at AB Shetty Memorial Institute of Dental Sciences from 14th to 19th May, 2012
17. Participated in a 3-Day Workshop sponsored by Nitte University, Mangalore on “Educational Science & Technology for Pharmacy Teachers” from 26th to 28th July, 2012 organized by NGSM Institute of Pharmaceutical Sciences, Paneer, Deralakatte, Mangalore.
18. Participated as Rapporteur in Pharmacy, Physiotherapy and Medical Science held at Nitte University, Mangalore from Nov 1st-3rd, 2012 in the 33rd Annual Conference of IABMS 2012.
19. Participated in a One-Day Workshop sponsored by ICMR, New Delhi on "Medicinal Plants and Mental Health", 6th September 2013, held at NGSM Institute of Pharmaceutical Sciences, Paneer, Deralakatte, Mangalore.

20. Participated in a One-Day Seminar on "Trends in Clinical Research-An Overview", 12th November 2013, organized by the Department of Pharmaceutical Chemistry held at NGSM Institute of Pharmaceutical Sciences, Paneer, Deralakatte, Mangalore.
21. Participated in the National Seminar on "Career Frontiers and Emerging Trends in Pharmaceutical Sciences" on 6th-7th March 2014, organized by Sri Adichunchanagiri College of Pharmacy, B.G. Nagara, Karnataka, India.
22. Participated in a One-Day Seminar on "Computer Aided Drug Design: Impact On Drug Development" and "Intellectual Property Rights" on 5th May 2014, held at NGSM Institute of Pharmaceutical Sciences, Paneer, Deralakatte, Mangalore.
23. Attended the Dr N Sridhar Shetty Endowment lecture by Dr M I Savadatti on "Autonomous & Non Governmental Universities-Pros and Cons in Indian Context" on 9th July, 2014 at Vimshathi Bhavan, ABSMIDS Mangalore.
24. Participated in "Educational Institute on Responsible Conduct of Science" conducted by National Academy of Sciences and Nitte University Centre for Science Education Research from 30th April to 3rd May, 2015 held at Mangaluru.
25. Participated in the Three-day "Management Development Programme for Medical Professionals" conducted by the Centre, held at Nitte Education International, Mangaluru on 14th, 21st and 28th August, 2016.
26. Participated in One Day Seminar On "Perspectives On New Drug Discovery" organized by Department of Pharmaceutical Chemistry, NGSM Institute of Pharmaceutical Sciences, Paneer, Deralakatte-575018, Mangaluru held on 3rd November, 2016.
27. Participated in One Day Workshop On "Biosafety Guidelines and Practices for Healthcare and Research" held at Nitte University, Deralakatte, Mangaluru-575018 on 13th January, 2017.
28. Participated in the Nitte University sponsored "National Seminar on Pharmacoeconomics and Patient Safety" organized by the Department of Pharmacy Practice, NGSMIPS, Paneer, Deralakatte, Mangaluru held on 11th January 2017 at A B Shetty Memorial Institute of Dental Sciences, Deralakatte, Mangaluru, Karnataka.
29. Participated in One Day Seminar On "Intellectual Property Rights" held on 10th January 2017 at Seminar Hall, IInd Floor, K.S Hegde Charitable Hospital, Deralakatte, Mangaluru.
30. Participated in ICMR sponsored National Conference on "Role of Organic Chemical Intermediates in Cognitive Disorders and Mental Health" held on 17th-18th February, 2017 organized by Department of Pharmaceutical Chemistry, NGSM Institute of Pharmaceutical Sciences, Paneer, Deralakatte-575018, Mangaluru, Karnataka.

PAPERS PRESENTED

1. Co-author of the poster presentation entitled "Chemical Modifications on Benzopyrones for their Antibacterial and Antidiabetic activity", at the 61st annual conference of the Indian Pharmaceutical Congress, 2009 from Dec 11th-13th, 2009 held at Nirma University, Ahmedabad.

2. Participated and presented a paper as oral presentation on the research paper entitled, "Chemical Modifications on Benzopyrones for their antibacterial and antidiabetic activity", at the 29th Annual Conference on Indian Council of Chemists, held at Panjab University, Chandigarh, December 2010.
3. Participated and presented a poster on the research paper entitled, "Synthesis, Characterization and Biological Activity Studies of some Isoxazoline Derivatives" in the APTI-16th Annual National Convention 2011 from Oct 7th-9th, 2011 held at ISF College of Pharmacy, Moga, Punjab.
4. Participated and presented a paper as oral presentation on the research paper entitled, "Synthesis, Antimicrobial, Analgesic and Anticancer Activity of Some Substituted Pyrimidines" held at Department of Studies in Chemistry, Mangalore University, Mangalagangothri, Mangalore from Dec 8th -10th, 2011 in the International Conference on Synthetic and Structural Chemistry, ICSSC-2011.
5. Co-author of the oral presentation entitled, "Synthesis of 5- Quinolinamines as potent antimalarial agents" held at Department of Studies in Chemistry, Mangalore University, Mangalagangothri, Mangalore from Dec 8th -10th, 2011 in the International Conference on Synthetic and Structural Chemistry, ICSSC-2011.
6. Co-author of the oral presentation entitled, "Synthesis, Pharmacological and Biological Screening of Novel Isoxazoline Derivatives Derived from Chalcones" held at Department of Chemistry, Osmania University, Hyderabad from Dec 28th-30th, 2011 in the 30th Annual Conference, Indian Council of Chemists.
7. Participated and presented a poster on the research paper entitled, "Synthesis, Antimicrobial, Analgesic and Anti-inflammatory Activity of Some Isoxazoline Derivatives" in the Scientific Poster Session of IPA Convention 2012 held at Manipal during 17th- 18th March, 2012.
8. Participated and presented a paper as oral presentation on the research paper entitled, "Synthesis and Characterization of Some Novel Derivatives of Quinoliny Chalcones" held at Nitte University, Mangalore from Nov 1st-3rd, 2012 in the 33rd Annual Conference of IABMS 2012.
9. Co-author of the oral presentation entitled, "Synthesis of Novel Oxazolidinones having Benzothiazinen Moieties" held at Nitte University, Mangalore from Nov 1st-3rd, 2012 in the 33rd Annual Conference of IABMS 2012.
10. Participated and presented a poster on the research paper entitled, "Synthesis, Characterization and Antimicrobial Activity of Some Novel Quinoliny Chalcones Derived From N-Substituted 2-Quinolones", in 32nd Annual Conference of Indian Council of Chemists, held at Department of Studies in Chemistry, Karnatak University, Dharwad on 28th-30th Nov, 2013.
11. Co-author of the Poster presentation entitled, "Synthesis and Antibacterial Activities of Novel Oxazolidinones Having Benzo Thiazinen Moieties", in 32nd Annual Conference of Indian Council of Chemists, held at Department of Studies in Chemistry, Karnatak University, Dharwad on 28th-30th Nov, 2013.

12. Participated and presented a poster on the research paper entitled, "Synthesis, Antimicrobial and Cytotoxicity Activities of Newly Synthesized Pyrimidine Incorporated 2-Quinolones", in the National Conference on "Infectitious Diseases-A Medicinal Chemistry Perspective" held at Amrita School of Pharmacy, Kochi, Kerala on 29th and 30th August 2014.
13. Participated and presented a paper as oral presentation on the research paper entitled, "Synthesis and Biological Evaluation of Some Novel 2-Mercapto Pyrimidine Derivatives", in the National Seminar on "New Vistas in Biological Sciences" held at St Aloysius College (Autonomous), Mangalore on 15th and 16th January 2015.
14. Participated and presented a poster on the research paper entitled, "Synthesis, Antioxidant and Cytotoxic Studies of Some Novel Pyrazoline Incorporated 2-Quinolones", in the 21st Annual National Convention of APTI at Manipal University, Manipal on 14th-16th October, 2016.
15. Co-author of the Poster presentation entitled, "Synthesis and Antimicrobial Evaluation of Substituted Oxazolidinone Moieties", in the 21st Annual National Convention of APTI at Manipal University, Manipal on 14th-16th October, 2016.
16. Co-author of the oral presentation entitled, "Synthesis and biological evaluation of pyrimidine derivatives via pyrrolyl chalcones" in the International Conference on Green Chemistry & Nanotechnology Opportunities & Challenges 2017, organized by the Department of Chemistry, Food Science and Technology & DDU Kaushal Kendra held on 27th & 28th February, 2017.

PAPERS PUBLISHED

1. Synthesis and Antimicrobial Screening of Some Novel Triazoles their Schiff's Bases. *The Pharma Research*. 2009; 01:127-32
2. Synthesis, Characterization and Antimicrobial activity of Novel Analogues of Flavones. *Pharmacologyonline*. 2011;2:963-973.
3. Synthesis, Characterization and Antidiabetic Evaluation of Novel Coumarin Analogues. *Pharmacologyonline*. 2011;3:1061-76.
4. Synthesis, Pharmacological and Biological Screening of New Isoxazolines. *Indian J Heterocycl Chem*. 2011;21:163-166.
5. Click Chemistry: An Approach to Sustainable Development in Drug Synthesis. *International Journal of Current Research and Review*. 2012;4(2):22-31.
6. Synthesis, Pharmacological and Biological Screening of Novel Derivatives of Benzodiazepines. *J Heterocyclic Chem* 2014;51:1189-1192.
7. Synthesis and Evaluation of Oxazolidinones having Benzo Thiazinin Moieties As Antimicrobial and Anti-inflammatory Agents. *Int Res J Pharm*. 2013;4(8):260-264.
8. Synthesis of Some Novel Oxazolidinones having Benzo Thiazinin Derivatives as Antimicrobial and Anti-inflammatory Agents. *IJPSDR*. 2013;5(3):101-104.

9. Cytotoxic, Analgesic and Anti-inflammatory Studies of Pyrazoline Derivatives Derived From 2-Acetyl Pyrrole. *Indian J Heterocycl Chem.* 2013;23:69-74.
10. Synthesis and Biological Evaluation of Some Novel Pyrazoline Derivatives Derived From N-Substituted Quinoliny Chalcones. *Int Res J Pharm.* 2013;4(10):61-64.
11. Synthesis and Biological Activity of Some Novel Quinoliny Chalcones Derived from N-Substituted 2-Quinolones. *Research J Pharm and Tech.* 2013;6(12):1336-1339.
12. Synthesis and Biological Activities of Oxazolidinones having N-Methyl Benzo Thiazinen Derivatives. *World Journal of Pharmaceutical Research.* 2014;3(1):1473-1482.
13. Synthesis and Biological Evaluation of Some Novel Isoxazoline Derivatives of Carbostyryl. *World Journal of Pharmacy and Pharmaceutical Sciences.* 2014;3(2):1267-1277.
14. Synthesis, Anti-inflammatory and Antimicrobial Activity of Some Novel Carboxamide Derivatives of Naproxen. *World Journal of Pharmacy and Pharmaceutical Sciences.* 2014;3(2):2026-2034.
15. Synthesis, Pharmacological and Biological Screening of Some Novel Pyrimidine Derivatives. *Med Chem Res.* 2014;23(7):3458-3467.
16. Synthesis, Characterization and Biological Activity Studies of Some Substituted Pyrimidine Derivatives. *Indian J Heterocycl Chem.* 2014;23:271-276.
17. Synthesis, Antimicrobial and Anti-inflammatory Activity of Newly Synthesized Isoxazoline Incorporated 2-Quinolones. *IJPSDR.* 2014;6(2):124-127.
18. Synthesis, Analgesic and Anti-inflammatory Activity of Some Novel Derivatives of Naproxen. *Research J Pharm and Tech.* 2014;7(6):631-634.
19. Synthesis, Antimicrobial, Antitubercular and Cytotoxic Studies of Some Pyrimidine Derivatives Derived from Chalcones. *World Journal of Pharmacy and Pharmaceutical Sciences.* 2014;3(8):1432-1439.
20. Synthesis and Antimicrobial Evaluation of Oxazolidinones Derivatives. *World Journal of Pharmacy and Pharmaceutical Sciences.* 2014;3(8):1716-1722.
21. Synthesis, Antimicrobial and Anti-inflammatory Studies of Some Novel Schiff Base Derivatives. *International Journal of Drug Development and Research.* 2014;6(2):165-171.
22. Synthesis and Biological Evaluation of Some Novel Schiff Bases of 2-Quinolones. *International Journal of Pharmacy and Pharmaceutical Sciences.* 2014;6(8):518-521.
23. Synthesis and Antimicrobial Evaluation of Benzo Thiazinen Derivatives. *IJPSDR.* 2014;6(3):197-199.
24. Synthesis and Biological Evaluation of Some Novel Pyrimidine Derivatives Derived from Chalcones. *Research J Pharm and Tech.* 2014;7(9):995-998.

25. Synthesis and Antimicrobial Activity of Novel Oxazolidinones having Benzo Thiazine Derivatives. *Indian J Heterocycl Chem.* 2014;24:71-76.
26. Synthesis, Antimicrobial and Antitubercular Activities of Some Novel Carboxamide Derivatives of 2-Quinolones. *Oriental Journal of Chemistry.* 2014;30(4):1993-1997.
27. Synthesis of Some Active Evaluation of Oxazolidinones Derivatives. *Research J Pharm and Tech.* 2014;7(9):1292-1296.
28. Synthesis, Antioxidant and Cytotoxicity Studies of Some Novel Carboxamide Derivatives of 2-Quinolones. *Indian J Heterocycl Chem.* 2015;30:333-336.
29. Synthesis, Antimicrobial and Cytotoxic Activity of Novel 1,5-Benzodiazepine Derivatives. *Indian J Heterocycl Chem.* 2015;25:161-64.
30. Synthesis and Antimicrobial Evaluation of Some Novel Derivatives of Coumarin Moiety. *Research J Pharm and Tech.* 2016;9(5):545-548.
31. Synthesis and Anti-inflammatory Activity of Some Novel 1,5 Benzodiazepine Derivatives. *Asian J Phar Clin Res.* 2016;9(4):63-66.
32. Synthesis and Biological Evaluation of Some Novel Pyrazoline Incorporated 2-Quinolones. *Research J Pharm and Tech* 2016;9(12):2275-2260.
33. Synthesis and Antimicrobial Evaluation of Some Substituted Oxazolidinones Moieties. *Research J Pharm and Tech.* 2017;10(1):1-4.
34. Pyrimidines as potent cytotoxic and anti-inflammatory agents. *Asian J Phar Clin Res.* 2017;10(6):1-3.
35. Pyrazolines as potent antitubercular and cytotoxic agents. *Asian J Phar Clin Res.* 2017;10(6):1-3.
36. Synthesis and biological evaluation of pyrimidine derivatives via pyrrolyl chalcones. *Research J Pharm and Tech.* 2017;10(5).
37. Synthesis and antimicrobial evaluation of different substituted phenylpropenone pyrrolyl chalcones. *Research J Pharm and Tech.* 2017;10(6).
38. Synthesis and biological evaluation of some novel pyrazoline derivatives derived from chalcones. *Research J Pharm and Tech* 2017;10(5).
39. Synthesis, biological and pharmacological screening of novel pyrimidine derivatives. *Research J Pharm and Tech* 2017;10(5).
40. Synthesis and antimicrobial evaluation of some new isoxazoline incorporated pyrrole derivatives. *Research J Pharm and Tech* 2017;10(9).

JOURNAL REVIEWED

Reviewer in Medicinal Chemistry Research

FUNDED PROJECTS

Project completed			Project completed		
Title	Funding agency	Grant amount	Title	Funding agency	Grant amount
“Synthesis and Antimicrobial Evaluation of Some Pyrimidine Derivatives of Coumarin Moiety”	Nitte University	Rs. 9,448	"Synthesis and Biological Evaluation of Some Novel Isoxazoline Incorporated Pyrrole"	Nitte University	Rs. 9,811

MEMBERSHIP /REGISTRATION

Life member of **Indian Council of Chemists**, Fellowship number 1328
Life member of **APTI**, Registration number KA/LM-910
Registered Pharmacist, Karnataka State Pharmacy Council

M.PHARM. PROJECTS COMPLETED

Chemical modifications on Benzopyrones for their antibacterial and antidiabetic activity.

ACHIEVEMENTS

Qualified **GATE-2007** with All India Rank 299, score-502 (Percentile Score 98.36).
Qualified **GATE-2009** with All India Rank 1788, score-416 (Percentile Score 92.55).
Qualified **WIPO** (General Course on Intellectual Property Rights)