

CURRICULUM VITAE

Dr. JALAPATHI POCHAMPALLY

Professor

Department of Chemistry

University College of Science

Osmania University

Hyderabad, Telangana - 500007

Mobile : 7386307989

E-mail : pochampallij@gmail.com

Education:

Ph.D. Kakatiya University, TS., INDIA, 2001
Title of the thesis : Synthesis, Characterisation of a few resins derived from 1-[2,4-dihydroxyphenyl]-propanone and 1-[2,4-dimethoxyphenyl]-2-phenyl ethanone.

M.Sc. Organic Chemistry as specialization
Kakatiya University, Warangal, TS. 1993

B.Sc. C.K.M. Arts & Science College,
Kakatiya University, Warangal, TS. 1991

RA: (PRA) Summer project-IICT. Hyderabad.

Teaching Experience

2020 to till date Dept. of Chemistry, University College of Science, Osmania University

2018 –2020 University College of Engineering OU Hyderabad

2007 – 2018 University College of Science Saifabad, Osmania University, Hyd,

2002 – 2007 University Arts and Science College, Kakatiya University, Warangal, TS.

1995 – 2002 CKM P.G. College, [Aided college] Warangal, TS

1994– 1995 SVS Degree. College, affiliated to Kakatiya University, Warangal, TS

1993 – 1994 KNR Degree College, affiliated to Kakatiya University, Warangal, TS.

&Trinity Jr.College Peddapelly, Karimnagar. TS.

Books Published:

1. Synthesis, Biological Screening of new Piperdines, Triazoles & Chromenes. Lambart Academic Publishing, 2022, ISBN: 9786205500408.
2. Novel Urea, Benzimidazole and Amides As Antimicrobial Agents. Lambart Academic Publishing, 2023, ISBN: 978-620-6-18147-7.
3. A Brief Review and Synthesis of Biologically Active 1,2,3-Triazoles. Lambart Academic Publishing, 2022, ISBN: 9786200529220.
4. Synthesis, Anticancer Evaluation of new Chalcones, Triazoles & Indoles. Lambart Academic Publishing, 2022, ISBN: 9786205497012
5. A Text Book of Pericyclic Reactions
6. Laboratory Manual of Organic Chemistry

E – Content

<https://pochampallyi.blogspot.com/>

Administrative Experience

- 2021- till date Joint Director for PG (CPGET) admissions [for Telengana State]
- 2019-2020 Head, Department of Chemistry, University College of Engineering, OU
- 2016 -2018 Head, Department of Chemistry, University College of Science, Saidabad, OU
- 2014 – 2016 Vice-Principal [Hostels] UCSS, OU
- 2007 – 2010 Mess Warden for Boys Hostels UCSS ,OU

Research Guidance

Names of Ph.D (Completed) candidates	Year of awarded	Name of Working place
1. Dr. Devender Mandala, [PDF]	2014	Dr. Reddy's Laboratories, Hyd.
2. Dr. Anil Valeru, [PDF]	2015	Key lab techno, China.
3. Dr. Annapurna Lanka	2019	Assist. Professor(C), UCSS, OU, Hyd.
4. Dr. Kishore Kumar Angajala [CSIR]	2017	Assist. Professor, Vardhaman College of Engineering, Hyd.
5. Dr. Shankar Bhookya, [DSK-PDF]	2017	Assist. Professor, Sreenidhi University, Hyd.
6. Dr. Raghavender Matta,	2019	Assist. Professor, Shyam Lal College, Delhi University. New Delhi.
7. Dr. Nagamani Modhumpuram [CSIR]	2020	Govt. Teacher, MJPTBCWR School, Hyd
8. Dr. Bala Narasimha Doddi, [CSIR] [DL]	2022	Assist. Professor, Govt. Degree College, Narayanpet.
9. Dr. Ravi Kurapati, [CSIR] [DL]	2023	Assist. Professor, Govt. Degree College, Nalgonda.
10. Dr. Vishnu Thumma	2023	Assist. Professor, Matrusri Engineering College.Hyd.
11. Krishna Chaitanya Veeranki (Submitted)	2022	Sr. Scientist , Chemveda Life Sciences, Hyd.
12. Aitha Shalini [CSIR] (Submitted)	2023	Assist. Professor, Government Degree and Pg College For Women,Karimnagar.
13. Nalla Umapathi (Submitted)	2023	Lecturer, Social Welfare Junior College, Hyderabad

No. of Ph.D. Scholars working: 05 (Five)

Department Project: Coordinator/Convener responsibilities of **DST-FIST Project [61 L]**
Sanctioned for Department of Chemistry UCSS,OU [2017-2019]

Research Project: - 1] UGC Minor project “Synthesis, Characterization and Biological Evolution of Novel Substituted Triazolyl, Piperazine based Coumarines”-2017

2] DST-PURSE “Synthesis, Characterization and Biological Evolution of Novel Substituted Triazolyls Piperazines”

Patents

1. Antiproliferative active Piperzino methyl Triazole compounds Reference Number: 202241033244 (Granted)
2. Antiproliferative 1,2,3-Triazole Analogues Reference Number: 202241026111 (Published).

Seminars /Webinar Organized:

Acted as Co-Convener, International Webinar on “Recent Advances in Organic Synthesis & Clinical Trial Process for Drug Approval” at Department of Chemistry, University College of Science, Osmania University, Hyderabad, TS, India, 3rd August 2020

Orientation Program / Refresher Course:

1. Participated in Orientation Programme organized by Osmania University Centre for International Programmes, OU campus from 12th to 22nd June 2007
2. Participated in the UGC sponsored Orientation Course organized by Academic Staff College, Osmania University from 25.06.2008 to 23.07.2008.
3. Participated in the UGC sponsored refresher course on “Material Science (Chemistry)” organized by UGC-HRDC, Osmania University, from 23.02.2016 to 14.03.2016.
4. Participated in the Faculty Development Programme in Entrepreneurship organized by Entrepreneurship Development Cell, Osmania University during 18.04.2016 to 30.04.2016.
5. Participated in the UGC sponsored Refresher course on “ Basic Principles and Research Advancements in Life Sciences and Pharmaceutical Sciences” organized by UGC-HRDC, Jawaharlal Nehru Technological University Hyderabad from 22.01.2018 to 12.02.2018.
6. Participated in UGC sponsored Short Term Course on Research Methodology organized by UGC-HRDC, Osmania University from 31.10.2018 to 06.11.2018.

Academic Body/ Committee Member:

1. Advisory Committee Member – Telangana State Common Post Graduate Entrance Test
2. Governing Body Member, for Sai Teja Degree College, Medchal, Hyderabad
3. Governing Body Member for Gowthami Degree College, Shamsabad, HYD
4. Selection Committee Member: for Institute of Hotel Management & Catering Technology, Moosapet Hyderabad Selection Committee Member, Baptist Degree College, Sangareddy, Medak TS.
5. Board of Studies Member, Department of Chemistry, Telangana University, Nizamabad.
6. Board of Studies Member Chemistry, Mahatma Gandhi Institute of Technology (MGIT), Hyderabad.
7. Board of Studies Member Chemistry, Nagarjuna Government College, Nalgonda, TS

Social /community service program

1. Trust Member for Sree Parivar Yoga, Nidigonda, Hanamkonda TS
2. Jury Member, INSPIRE Exhibition cum Project Competition organized by School Education Department, Govt. of Telangana TS.
3. NSS Program – Swacha Bharath – 2016 onwards activities OU

Advisory Board Member for R&D Labs

1. Advisory Board Member, Firmus Laboratories Private Limited, Sanga Reddy HYD.
2. Advisory Board Member, CMH Laboratories Private Limited, Hyderabad.
3. Scientific Advisor, Samrudhi Life Sciences Pvt. Ltd., Hyderabad

Reviewer for referred research journals

1. Reviewer, Letters in Organic Chemistry, Bentham Science
2. Reviewer, Chemistry Select, Wiley
3. Reviewer, Chemical Papers, Springer
4. Reviewer, Medicinal Chemistry Research, Springer
5. Reviewer, Future Drug Discovery, etc.,

Guest Faculty / Extension Lectures (1998 – 2007) :

1. CKM Arts & Science College, Warangal(2002- 2007)
2. Vaagdevi PG College, Affiliated to Kakatiya University Warangal.
3. S.V.S PG College, Affiliated to Kakatiya University Warangal.
4. Kavitha Memorial PG College, Affiliated to Kakatiya University Khammam.
5. SRR Govt. PG College, Affiliated to Kakatiya University Karimnagar.
6. Santhinekethan P.G. College, Affiliated to Kakatiya University Sathupalli.
7. E.V.R. PG College, Kodad. Affiliated to Osmania University
8. Govt. Women's Degree & P.G. College, Affiliated to K U Karimnagar.
9. Chaitanya PG College, Affiliated to Kakatiya University Warangal.
10. SR (KNR) PG College, Affiliated to Kakatiya University Warangal.
11. New Science PG College Affiliated to Kakatiya University Warangal.
12. New Science PG College Affiliated to Kakatiya University Warangal.
13. Vivekanandha PG College. Affiliated to Kakatiya University Karimnagar
14. Vijaya Bharati P.G. College, Affiliated to Kakatiya University Sathupalli
15. S.R.R. Pharmacy College, Affiliated to Kakatiya University Huzurabad.

Guest Faculty / Extension Lectures (2007 – 2009):

National Institute of Pharmaceutical Education and Research (NIPER), Balnagar, Hyderabad.

TOPICS HANDLED:-

For Ph.D Course Work

Asymmetric Synthesis

For M. Phil

1] Pericyclic Reactions, 2] Stereochemistry, 3] Asymmetric Synthesis

For M.S. Pharmacy

1] Pericyclic Reactions 2] Organic Reaction Mechanism 3] Organic Photo Chemistry
4] Enolates and its Alkylation 5] Asymmetric Synthesis 6] Reactions of Ylides

For B. Pharmacy

1] Medicinal Chemistry of Natural Products

(i) Terpenoids (ii) Alkaloids (iii) Vitamins (iv) Purines (v) Nucleic acids.

2] Heterocyclic Chemistry

For B.E:- Water analysis, Polymer Chemistry, Molecular spectroscopy, Natural products

For P.G. Chemistry

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|-----------------------------------|---|
| 1. Stereochemistry | 17. Carbohydrates |
| 2. Pericyclic Reactions | 18. Proteins |
| 3. Asymmetric Synthesis | 19. Nucleic acids |
| 4. Conformational Analysis | 20. Prostaglandins, Lipids |
| 5. Organic Photochemistry | 21. Alkaloids |
| 6. SAR Studies | 22. Terpenes |
| 7. QSAR studies | 23. Steroids |
| 8. Reaction Mechanism | 24. Principles of Drug Design & Discovery |
| 9. Heterocyclic Chemistry | 25. Chiral drugs |
| 10. Rearrangement reactions | 26. Drugs acting on metabolic process, cell walls, and specific enzymes |
| 11. Organic Nano Materials | 27. Drugs acting on genetic material and immune system |
| 12. Green Chemistry | 28. Drugs acting on receptors and ion channels |
| 13. Combinatorial Chemistry | 29. Electronic spectroscopy |
| 14. Enzymes | 30. Organic nanomaterials |
| 15. Reagents in Organic Synthesis | |
| 16. Synthetic Methodology | |

Area of Present Research: Synthetic Organic Chemistry

Presentations / Participations in Conference/ Seminar:

1. International Conference on Chemistry and Allied Sciences, paper presented entitled "Synthesis, invitro anticancer screening and molecular docking studies of 5-((2-(4-bromo/chlorobenzoyl)benzofuran-5-yl)methyl analogues" Organized by Pingle Government Degree College for Women, Hanamkonda. 25th – 27th Aug 2022.
2. International Conference on Nano, Bio & Material Sciences (ICONBMS-2014) presented paper entitled "Applications of organic nano materials" organized by Department of Physics, Nizam College, 8th – 10th Jan 2014.
3. A two day National Seminar on Emerging Trends in Chemical & Material Science Research (ETCMSR-2022), presented paper entitled "Drug discovery" organized by SR&BGNR Govt. Arts & Sciences College, Khammam, on 25th & 26th Feb 2022.
4. UGC sponsored National Seminar on Human Rights & Environmental Protection, paper presented entitled "Environmental Protection" organized by Department of Chemistry, KRR Govt. Arts & Science College, Kodad, 20th & 21st Jan, 2017
5. National Seminar on Shifting Paradigms on New Chemical entities in India-Role of Process Chemistry, presented paper entitled "Drug design and discovery" organized by Department of Chemistry, C.K.M Arts and Science College, Warangal, 22nd & 23rd Feb 2014.

6. National Seminar on Recent Trends in Separation Processes in Pollution Control, paper presented entitled "Pollution control methods" organized by Department of Chemistry, KRR Govt. Arts & Science College, Kodad, 12th & 13th July, 2014.
7. National Seminar on New Dimensions in Chemical Sciences NDCS-2010, presented paper entitled "Facile Synthesis, Characterization and Antimicrobial Evaluation of N-substituted benzotriazoles" organized by Department of Chemistry, Post Graduate College of Science, Saifabad, OU on 30th Jan 2010.
8. UGC sponsored National Symposium on Emerging Research Trends & Developments in Chemistry, presented paper entitled "Physicochemical, Thermal and Biocidal Studies – 2-phenylethanone oxime" organized by Department of Chemistry, University Arts & Science College, Kakatiya University, Warangal. On 16th & 17th December 2003.
9. UGC sponsored National Symposium on Emerging Research Trends & Developments in Chemistry, presented paper entitled "Synthesis & Biological Screening of Some Novel Heterocyclics" organized by Department of Chemistry, University Arts & Science College, Kakatiya University, Warangal. On 16th & 17th December 2003.
10. UGC sponsored National Symposium on Emerging Research Trends & Developments in Chemistry, presented paper entitled "Synthesis, Thermal stability of resorcinolphenone and α -resorcinolphenone" organized by Department of Chemistry, University Arts & Science College, Kakatiya University, Warangal. On 16th & 17th December 2003.
11. A facile and efficient methodology for the Knoevenagel condensation of α,β -unsaturated aromatic aldehydes with barbituric acid under catalyst and solvent free conditions. P. Jalapathi, A. Nagaraju and Ch. Sanjeeva Reddy. 2nd International Symposium on Drug Discovery and Process Research – February 2006, pp. 296-467.
12. Synthesis and biochemical studies of some flanked thiazoles and fused pyrazoles from biscoumarin system. Ch. Sanjeeva Reddy, P. Jalapathi and A. Nagaraju. 2nd International Conference on Organic Synthesis and Process Chemistry, p. 50, April 2005.
13. Synthesis, thermal and biochemical screening of some new copolymer resins derived from resorcinolphenone and α -resorcinolphenone. P. Jalapathi and Ch. Sanjeeva Reddy. National Symposium on Emerging Research Trends & Development in Chemistry, Kakatiya University, Warangal, Dec. 2003.
14. Physicochemical, Thermal and Biocidal studies on some new resin copolymers synthesized from 1-[2,4-dihydroxyphenyl]-2-phenylethanone oxime. P. Jalapathi and Ch. Sanjeeva Reddy. National Symposium on Emerging Research Trends & Development in Chemistry, Kakatiya University, Warangal, Dec. 2003.

15. Synthesis of 2-(3,4-methylenedioxyphenyl)-3-(4-thiazolyl)-thiazolidin-4-one. P. Jalapathi and Ch. Sanjeeva Reddy. National Seminar on Recent Trends in Organic Synthesis, 18th & 19th Feb. 1997, pp. 22.
16. Synthesis of semi-ladder polymeric dyes based on thiazole ring systems. P. Jalapathi and Ch. Sanjeeva Reddy. National Seminar on Recent Trends in Organic Synthesis, 18th & 19th Feb. 1997, pp. 17.
17. Synthesis of semi-ladder polymeric dyes based on thiazole ring systems. P. Jalapathi and Ch. Sanjeeva Reddy. National Seminar on Recent Trends in Organic Synthesis, 18th & 19th Feb. 1997, pp. 17

Lectures Delivered /Papers Presented at Seminars/Conferences

1. Delivered a lecture on “Drug Design and Discovery” at Bhavan’s New Science College, on 13th May 2023
2. Delivered a lecture on “Asymmetric Synthesis” at Bhavan’s New Science College, on 08th Oct 2022
3. Delivered a lecture on “Design and Synthesis of some Novel Heterocyclic Compounds and their Biological Evaluation”, at A two day National Seminar on Emerging Trends in Chemical& Materials Science Research (ETCMSR-2022) on 28th Feb 2022,
4. Delivered a lecture on “Conformational Analysis of acyclic systems”, at ST.Pious college Hyderabad, on 17th Dec 2020. (online)
5. Delivered a lecture on "Concepts of Drug Design and Discovery and Applications of Nanotube-based sensors". at One day National Webinar entitled organized jointly by department of Chemistry of Government Degree College Nirmal and GRP Government Degree College Bhainsa on 9th Aug 2020
6. Delivered a lecture on “Asymmetric Synthesis” organized by AV College of Sciences and Commerce, Hyderabad on 20.10.2018.
7. Delivered a lecture on “Medicinal chemistry” at Seminar organized by Govt Degree college Kodada, Khammam , TS on 15th Sept 2018
8. Delivered a lecture on “Pericyclic Reactions” at Seminar organized by RJ PG and Degree college, Khammam, TS on 10th March 2017.
9. Delivered a lecture on “Role of Chemistry in Human Health” at UGC Sponsored Seminar conducted by J.V.R Govt. College, Sathupally, Warangal, Andhra Pradesh, India on 21st Jan 2017.

10. Delivered a lecture on “Nano materials and their applications” organized by Keshav Memorial Institute of Commerce and Science, Hyderabad, on 31.10.2017.
11. Delivered a lecture on “Asymmetric Synthesis” at Seminar organized by Kavitha PG and Degree college, Kammam, TS. On 6th Feb 2016.
12. Delivered a lecture on “Stereochemistry of organic molecules” at Seminar organized by SRR PG and Degree college, Karimnagar, TS on 8th Feb 2016.
13. Delivered a lecture on “Combinatorial chemistry” at Seminar organized by Govt Women PG and Degree college, Karimnagar, TS on 4th April 2016.
14. Delivered a keynote lecture at KRR Govt Arts and Science College, 10th & 11th Feb 2016
15. Delivered a lecture on “Medicinal Chemistry” at NIPER Hyderabad, on 19th Jan 2009.
16. Participated in the One-Day National Symposium on “Interfaith Dialogue organized by UGC-HRDC, University of Mysore on 29th Feb 2016.
17. Participated in Five-Days Online Short Term Training Program (STTP) on “Recent Advancements in Medicinal Chemistry and Material Science (RAMCMS-2023) held on 24th –28th April 2023. Organized by Vardhaman College of Engineering, Hyderabad.
18. Participated in 30th Annual Conference, Indian Council of Chemists, organized by Department of Chemistry, Osmania University on 28th – 30th December 2011.
19. Participated in the National Workshop on Recent Advances in Synthesis and Medicinal Applications of Heterocyclic Compounds, organized by Department of Chemistry, NIT Warangal from 8th to 10th November 2013.

Resource Person [After 2007]

1. Dept. of Chemistry Shatavahana University, Karimnagar, TS, India.
2. Dept. of Chemistry, Vivekananda P.G College, Karimnagar, TS, India.
3. Dept. of Chemistry, C.K.M P.G College, Kakatiya University, Warangal, TS, India.
4. SR PG College Affiliated to Kakatiya University, Warangal.TS
5. Dept. of Chemistry, E.V Reddy College, Mahatma Gandhi University, Nalgonda, TS.
6. Dept. of Chemistry, Nobel P.G College, Osmania University, Hyderabad, TS.
7. St.Pois College Nacharam Affiliated to Osmania University Hyderabad .
8. GRP Govt. Degree College[Bhainsa]&Govt. Degree College Nirmal
9. SR&BGNR Govt. Degree College Kammam TS
10. AV. College PG Affiliated to Osmania University Hyderabad
11. Keshava Memorial College Affiliated to Osmania University Hyderabad.
12. Nava Bharathi PG Colleg Affiliated to MG University , Buvanagiri
13. Jagruthi PG Colleg Affiliated to MG University , Buvanagiri

Skills

- Expertise in Teaching Organic Chemistry for PG and Chemistry for UG
- Expertise in Teaching Medicinal Organic Chemistry for Pharmacy
- Expertise in Research Guidance in Organic Chemistry.
- Capable of collaborative and independent research
- Writing of papers for publication
- Identification of experimental problems and resolving them independently
- Expertise in the synthesis, separation, and purification of compounds
- Expertise in TLC, column chromatography

Personal Data

Name : Dr. P. Jalapathi
Father's Name: P. Komuraiah
Date of Birth: 10-03-1967
Marital Status: Married
Languages known: English, Telugu & Hindi

(Dr. P. Jalapathi)

Dr. P.Jalapathi

List of Publications

1. Design, Synthesis, and Cytotoxicity of Ibuprofen Appended Benzoxazole Analogues against Human Breast Adenocarcinoma. Vishnu Thumma, Veerabhadraiah Mallikanti, Raghavender Matta, **Pochampally Jalapathi*** and Ravinder Dharavath. *RSC Medicinal Chemistry*, **2024**, <https://doi.org/10.1039/D3MD00479A>
2. Design, Synthesis, and Cytotoxicity of Some New Benzimidazole-Piperazine Conjugate Analogues Against Human Breast Adenocarcinoma. Shankaraiah Ambala, Vishnu Thumma, Veerabhadraiah Mallikanti, Shalini Aitha, Raghavender Matta, **Jalapathi Pochampally***. *ChemistrySelect*, **2023**, 8(31), e202302393.
3. Matta Raghavender, **Jalapathi Pochampally***, Bala Narsimha Dhoddi, Bhokya Shankar, Sampath Bitla and Anjini Gayatri Akkiraju. Synthesis, antimicrobial and antioxidant activity of triazole, pyrazole containing thiazole Derivatives and Molecular docking studies on COVID-19. *BMC Chemistry*, **2023**, 17, 1-16.
4. Shalini Aitha, Vishnu Thumma, Raghavender Matta, Shankaraiah Ambala, Jyothi K, Srinivas Manda and **Jalapathi Pochampally***. Antioxidant Activity of Novel 4H-Chromene Tethered 1,2,3-Triazole Analogues: Synthesis and Molecular Docking Studies. *Results in Chemistry*, **2023**, 5, 100957.
5. Veerabhadraiah Mallikanti, Vishnu Thumma, Raghavender Matta, Krishna Reddy Valluru, Lakshmi Narayana Sharma Konidena, Lakshmi Satya Boddu and **Jalapathi Pochampally***. Synthesis, antimicrobial activity and molecular docking of novel benzimidazole conjugated 1, 2, 3-triazole analogues. *Chemical Data Collections*, **2023**, 45, 101034.
6. Shalini Aitha, Vishnu Thumma, Shankaraiah Ambala, Raghavender Matta, Shyam Panga and **Jalapathi Pochampally***. Bis 1, 2, 3-Triazoles Linked Deoxybenzoin Hybrids as Antimicrobial Agents: Synthesis, In Vitro and In Silico Screening. *Chemistry Select*, **2023**, 8(13), e202300405.
7. V. Krishna Chaitanya, **P. Jalapathi***, M. Ravi Chandar and T. Vishnu. Design, synthesis of N-(4-(3-bromophenyl) thiazol-2-yl)-1-azaheteryl carboxamides and their anticancer evaluation against MCF-7 cell line. *Heterocyclic Letters*, **2023**, 13(1), 143-156.
8. Veeranki Krishna Chaitanya, **Pochampally Jalapathi***, Maraju Ravi Chandar and Thumma Vishnu. Synthesis of Novel 4-(3-nitro-2H-chromen-2-yl)-1,3-diphenyl-1H-pyrazole analogues. *Research Journal of Chemistry and Environment*, **2023**, 27(2), 35-38.
9. Krishna Chaitanya Veeranki, **Jalapathi Pochampally*** and Ravi Chandar Maraju. Synthesis of Novel Biaryl Fused Thiazolo[3,2-b][1,2,4]triazol-2-amines from Thiazole Amine Involving Suzuki Coupling Reaction under Microwave Irradiation. *Asian Journal of Chemistry*, **2023**, 35(2), 431-434.
10. V. Krishna Chaitanya, **P. Jalapathi***, M. Ravi Chandar, T. Vishnu, M. Veerabhadraiah, M. Raghavender. Novel hybrid molecules based on triazole-quinoline as potential anticancer agents: screening on MCF-7 cell line, docking studies, and pharmacokinetics evaluation. *Journal of the Iranian Chemical Society*, **2023**, 20, 995-1006.
11. Krishna Chaitanya Veeranki, **Jalapathi Pochampally***, Ravi Chander Maraju, Vishnu Thumma, and Lakshmi Satya Boddu. 1,2,3-Triazoles containing Thiazole-Piperazine

- Moieties: Synthesis, Biological Assessment and Molecular Docking. *Asian Journal of Chemistry*, **2023**, 35(1), 125-134.
12. Nalla Umapathi, Thumma Vishnu, Matta Raghavender and **Pochampally Jalapathi**. Identification of substituted 4, 7-dihydro-8-(4-methyl-1h-benzo [b] [1, 4] diazepin-2-yl)-3-phenyl-chromen-2-one analogues as antimicrobial agents, molecular docking and pharmacokinetic evaluation. *Heterocyclic Letters*, **2023**, 13(3), 489-503.
 13. Veerabhadraiah Mallikanti, Vishnu Thumma, Krishna Chaitanya Veeranki, Srinivas Gali, **Jalapathi Pochampally***. Synthesis, Cytotoxicity, Molecular Docking and ADME Assay of Novel Morpholine appended 1,2,3-Triazole Analogues. *Chemistry Select*, **2022**, 7(48), e202204020.
 14. T Vishnu, M Veerabhadraiah, V Krishna Chaitanya, M Nagamani, M Raghavender, **P Jalapathi***. Design, synthesis and anticancer activity of 5-((2-(4-bromo/chloro benzoyl) benzofuran-5-yl) methyl)-2-((1-(substituted)-1H-1, 2, 3-triazol-4-yl) methoxy) benzaldehyde analogues. *Molecular Diversity*, **2023**, 27(6), 2965-2713.
 15. Srinivasulu Chittimalla, **Jalapathi Pochampally***, Sreedhar Maraju, Ganapathi Velupula, Veera Bhdraiah, Vishnu Thumma, Umapathi Nalla Synthesis, antimicrobial activity and molecular docking study of (e)-4-(4-((3-benzylidene-2-oxoindolin-1-yl)methyl)-1h-1,2,3-triazol-1-yl)benzoic acid derivatives. *Research Journal of Chemistry and Environment*, **2023**, 27(9), 39-45.
 16. Bala Narsimha Dhoddi, Ravi Kurapati , Govardhan Reddy Kundur, Sampath Bitla, Balaswamy Puligilla, and **Jalapathi Pochampally***. Synthesis and in vitro cytotoxic evaluation of novel triazole-benzimidazole embodied pyrazole derivatives against breast cancer. *Rasayan Journal of Chemistry*, **2022**, 15(2), 1345-1351.
 17. M Nagamani, T Vishnu, **P Jalapathi***, M Srinivas. Molecular docking studies on COVID-19 and antibacterial evaluation of newly synthesized 4-(methoxymethyl)-1,2,3-triazole analogues derived from (E)-1-phenyl-3-(2-(piperidin-1-yl)quinolin-3-yl) prop-2-en-1-one. *Journal of the Iranian Chemical Society*, **2022**, 19(4), 1049-1060.
 18. Matta Raghavender, Bhookya Shankar, Nalla Umapathi, **Pochampally Jalapathi***. Synthesis of newer substituted chalcone linked 1, 2, 3-triazole analogs and evaluation of their cytotoxic activities. *Heterocyclic Communications*, **2022**, 28(1), 130-138.
 19. Srinivasulu Chittimalla, **Jalapathi Pochampally***, Sreedhar Maraju, Ganapathi Velupula, Veera Bhdraiah, Vishnu Thumma, Umapathi Nalla. Synthesis and antimicrobial activity of substituted 4-[(1h-benzo[d]imidazol-2-yl)methyl]phenol derivatives. *Heterocyclic Letters*, **2022**, 12(1), 61-67.
 20. N Umapathi, B Shankar, M Raghavender, T Vishnu, **P Jalapathi***. Some Novel [6-(Isoxazol-5-ylmethoxy)-3-methylbenzofuran-2-yl] phenylmethanone Derivatives, Their Antimicrobial Activity, and Molecular Docking Studies on COVID-19. *Russian Journal of General Chemistry*, **2022**, 92(2), 1-11.
 21. Nalla Umapathi, **Pochampally Jalapathi***, Matta Raghavender, and Bhookya Shankar. Synthesis of (E)-1-(2,4-Bis((1-phenyl-1H-1,2,3-triazol-4-yl)methoxy)phenyl)-3-phenylprop-2-en-1-one Derivatives and their Antimicrobial Activity. *Asian Journal of Chemistry*, **2021**, 33(10), 2341-2346.

22. A Kishore Kumar, V Sunitha, P Shankaraiah, **P Jalapathi***. Synthesis, characterization and antimicrobial evaluation of some novel (3-methyl-5-((3-phenylisoxazol-5-yl)methoxy) benzofuran-2-yl)(phenyl) methanones. *Indian Journal of Chemistry-Section B*, **2021**, 60B(8), 1137-1141.
23. A Kishore Kumar, V Sunitha, G Ramesh, **P Jalapathi***. Synthesis and Antimicrobial Activity of Quinoxaline Based 1, 2, 3-Triazoles. *Russian Journal of General Chemistry*, **2020**, 90(12), 2386-2393.
24. M Raghavender, A Kishore Kumar, V Sunitha, T Vishnu, **P Jalapathi***. Synthesis and Cytotoxicity of Chalcone Based 1, 2, 3-Triazole Derivatives. *Russian Journal of General Chemistry*, **2020**, 90(4), 697-702.
25. V Sunitha, A Kishore Kumar, **P Jalapathi**, Ch Lincoln. Synthesis and antimicrobial activity of bis-1, 2, 3-triazole based chalcones. *Russian Journal of General Chemistry*, **2020**, 90(1), 154-159.
26. M Raghavender, B Shankar, **P Jalapathi***, S Perugu. Synthesis, antibacterial activity, and cytotoxicity of newly synthesized N-substituted 5, 6-dimethoxy-1H-indole derivatives. *Russian Journal of General Chemistry*, **2019**, 89(7), 1496-1501.
27. M Nagamani, **P Jalapathi***, B Shankar, M Neelamma, TM Krishna. An Efficient Oxidative Difunctionalisation of 2-Amino-2H-chromene and Antimicrobial Activity of the Synthesized Tetrahydrochromene Derivatives. *Russian Journal of General Chemistry*, **2019**, 89(5), 998-1002.
28. V Sunitha, A Kishore Kumar, Ch Lincoln, **P Jalapathi**, V Gopal Reddy. Synthesis and Antibacterial Evaluation of Benzofuran Based 3, 5-Disubstituted Isoxazoles. *Russian Journal of General Chemistry*, **2018**, 88(12), 2669-2674.
29. Bhokya Shankar, **Pochampally Jalapathi***, Balabadra Saikrishna, Shaym Perugu, Vijjulatha Manga. Synthesis, anti-microbial activity, cytotoxicity of some novel substituted (5-(3-(1H-benzo [d] imidazol-2-yl)-4-hydroxybenzyl) benzofuran-2-yl)(phenyl) methanone analogs. *Chemistry Central Journal*, **2018**, 12, 1-17.
30. V Sunitha, A Kishore Kumar, M Mahesh, P Shankaraiah, **P Jalapathi**, Ch Lincoln. Synthesis and antimicrobial evaluation of Bis-3,5-disubstituted isoxazoles based chalcones. *Russian Journal of General Chemistry*, **2018**, 88(9), 1904-1911.
31. V Sunitha, A Kishore Kumar, P Shankaraiah, **P Jalapathi**, Ch A Lincoln. Synthesis and antibacterial evaluation of benzofuran based di-1, 2, 3-triazoles. *Russian Journal of General Chemistry*, **2018**, 88(7), 1515-1524.
32. M Nagamani, Ch Anjaiah, D Praveen, **P Jalapathi***. Synthesis and Antimicrobial Activity of 3-(1-Aryl-1H-1, 2, 3-triazol-4-yl)-2-(4-fluorophenyl)-1-(2-hydroxy-4-methoxyphenyl) propan-1-ones. *Russian Journal of General Chemistry*, **2018**, 88(4), 812-814.
33. A Kishore Kumar, V Sunitha, P Shankaraiah, M Siddhartha, **P Jalapathi***. Synthesis and Antibacterial Activity of Some {6-[(1H-1, 2, 3-Triazol-4-yl) methoxy]-3-methylbenzofuran-2-yl}(4-bromophenyl) methanone Derivatives. *Russian Journal of General Chemistry*, **2018**, 88(4), 789-796.
34. Nagamani Modhumpuram, **Jalapathi Pochampalli***, Kishore Kumar Angajala , Shanker Bhokya, Jayasree D. Synthesis and Anti-microbial Evaluation of Some Novel Bridged

- Benzofuran and 1,2,3-Triazole Based Analogues. *Der Pharma Chemica*, **2017**, 9(4), 36-42.
35. V Anil, B Shankar, G Bharath, **P Jalapathi***. Synthesis and antimicrobial activity of novel substituted 4-[3-(1H-benzimidazol-2-yl)-4-hydroxybenzyl]-2-(1H-benzimidazol-2-yl) phenol derivatives. *Russian Journal of General Chemistry*, **2017**, 87(12), 3017-3022.
 36. A Kishore Kumar, V Sunitha, B Shankar, T Murali Krishna, Ch Lincoln, **P Jalapathi***. Synthesis and antimicrobial screening of novel 9-{2-[(1H-1, 2, 3-triazol-4-yl) methoxy] phenyl}-3, 3, 6, 6-tetramethyl-3, 4, 5, 6, 7, 9-hexahydro-1H-xanthene-1, 8 (2H)-dione derivatives. *Russian Journal of General Chemistry*, **2017**, 87(9), 2011-2020.
 37. Bhookya Shankar, **Pochampally Jalapathi***, Anil Valeru, Angajala Kishor Kumar, Balabadra Saikrishna. Synthesis and biological evaluation of new 2-(6-alkyl-pyrazin-2-yl)-1H-benz [d] imidazoles as potent anti-inflammatory and antioxidant agents. *Medicinal Chemistry Research*, **2017**, 26, 1835-1846.
 38. Shankar Bhookya, **Jalapathi Pochampally***, Anil Valeru, Vianala Sunitha, Saikrishna Balabadra, Vijjulatha Manga. Synthesis of tert-butyl (substituted benzamido) phenylcarbamate derivatives: anti-inflammatory activity and docking studies. *Journal of Chemical Biology*, **2017**, 10(3), 105-115.
 39. Bhookya Shankar, **Pochampally Jalapathi***, Modhumpuram Nagamani, Bharath Gandu, Karunakar Rao Kudle. Synthesis, anti-microbial activity, and cytotoxicity of novel 1-[5-[6-[(2-benzoylbenzofuran-5-yl) methyl]-2-oxo-2H-chromen-3-yl] thiazol-2-yl] urea derivatives. *Monatsh efte für Chemie-Chemical*, **2017**, 148(6), 999-1009.
 40. V Sunitha, A Kishore Kumar, B Shankar, A Anil Kumar, TM Krishna, Ch A Lincoln, **J Pochampalli**. Synthesis and antimicrobial activity of some novel benzofuran based 1, 2, 3-triazoles. *Russian Journal of General Chemistry*, **2017**, 87(2), 322-330.
 41. Kishore Kumar Angajala, Sunitha Vianala, Ramesh Macha, M Raghavender, Murali Krishna Thupurani, **PJ Pathi**. Synthesis, anti-inflammatory, bactericidal activities and docking studies of novel 1, 2, 3-triazoles derived from ibuprofen using click chemistry. *Springer Plus*, **2016**, 5(423), 1-15.
 42. B Shankar, **P Jalapathi***, M Ramesh, A Kishore Kumar, M Ragavender, G Bharath. Synthesis, antimicrobial evaluation, and docking studies of some novel benzofuran based analogues of chalcone and 1, 4-benzodiazepine. *Russian Journal of General Chemistry*, **2016**, 86(7), 1711-1721.
 43. A Kishore Kumar, V Sunitha, B Shankar, M Ramesh, T Murali Krishna, **P Jalapathi***. Synthesis, biological evaluation, and molecular docking studies of novel 1, 2, 3-triazole derivatives as potent anti-inflammatory agents. *Russian Journal of General Chemistry*, **2016**, 86(5), 1154-1162.
 44. B Shankar, **P Jalapathi***, V Sunitha, K Karunakar Rao. Synthesis of 5, 5'-methylenebis ((benzofuran-5, 2-diyl)) bis (phenylmethanone) and its phenylhydrazonoe, benzenesulfonate. *Der Pharma Chemica*, **2016**, 8(7), 192-199.
 45. L Annapurma, **P Jalapathi***. A rapid and efficient one-pot synthesis of β -acetamididoketone via Mannich reaction. *World Journal of Pharmacy and Pharmaceutical Science*, **2016**, 5(3), 942-952.

46. Ravichander Maroju, GA Reddy, Malathi Vadlapudi, **Pochampalli Jalapathi**, Thampu Rajakomuraiah. Synthesis, antimicrobial and ion exchange studies of some terpolymer resins derived from substituted resorcinol, biuret and formaldehyde. *Journal of Chemical and Pharmaceutical Research*, **2015**, 7(9), 868-871.
47. Anand Reddy Gunreddy, Ravi Chandar Maroju, **Jalapathi Pochampalli**, Laxminarayana Eppakayala. Antimicrobial activity of oxadiazole, thiazolidin-4-one and azetidin-2-one derivatives of 1H-Imidazo [4, 5-b] pyridine. *Research Journal of Pharmaceutical Biological and Chemical Sciences*, **2015**, 6(1), 1402-1406.
48. L Annapurna, **P Jalapathi***. Efficient Synthesis of 1, 5-Benzothiazepine Derivatives Using Benzyl Tri Ethyl Ammonium Chloride in Ethanol. *International Journal of Scientific and Research Publications*, 2014, 4(12), 1-5.
49. Jyothi Chaitanya P, Chandra shekar R, Lakshmi Bhavani N, Kishore Kumar Angajala, **Pochampalli Jalapathi**. Evaluation of antioxidant nature of methanol extracts from leaf, bark and wood of pterocarpus santalinus. *World Journal of Pharmaceutical Research*, **2014**, 3(10), 761-767.
50. **Pochampally Jalapathi***, Valeru Anil, Macha Ramesh, Tigulla Parthasarathy, Gandu Bharath, Anupaju Gangagnirao. Synthesis and molecular modelling studies of substituted novel aryl amide analogues and evaluation of their antimicrobial activity. *World Journal of Pharmacy and Pharmaceutical Sciences*, **2014**.
51. **J Pochampally***, A Valeru, R Macha, A Kishorekumar, P Tigulla, B Gandu, A Gangagnirao. Design, Efficient new synthesis, evaluation of antimicrobial activity and molecular modelling studies of novel aryl substituted urea derivatives. *Der Pharma Chemica*, **2014**, 6(2), 269-282.
52. **Jalapathi Pochampally***, Anil Valeru, Ramesh Macha, AKD Bhavani, Umapathi Nalla, Parthasarathy Tigulla, Bharath Gandu, A Gangagnirao. Synthesis and molecular modeling studies of novel tert-butyl 2, 4-disubstituted carboxamido phenylcarbamate derivatives and evaluation of their antimicrobial activity. *Der Pharma Chemica*, **2014**, 6(1), 61-76.
53. **Pochampally Jalapathi***, Valeru Anil, Shankar Bhookya, Mandala Devender, Vankadari Srinivasarao, Tigulla Parthasarathy. Design, novel synthesis and docking studies of N, N'-Substituted urea analogues and evaluation of their antimicrobial activity. *World Journal of Pharmacy and Pharmaceutical Sciences*, **2014**, 3(4), 1494-1519.
54. Srinivas Rao Vankadari, Devender Mandala, **Jalapathi Pochampalli***, Parthasarathy Tigulla, Anil Valeru, Rajakomuraiah Thampu. Erratum to: Synthesis, evaluation of antimicrobial activity, and molecular modeling of novel 2-((4-(2H-benzo[d] [1,2,3] triazol-2-yl)piperidin-1-yl)methyl)-5-substituted phenyl-1,3,4-oxadiazole. *Medicinal Chemistry Research*, **2013**, 22(12), 5912-5919.
55. Devender Mandala, Anil Valeru, **Jalapathi Pochampalli***, Srinivas Rao Vankadari, Parthasarathy Tigulla, Rajesh Gatla, Rajakomuraiah Thampu. Synthesis, antimicrobial activity, and molecular modeling of novel 4-(3-(4-benzylpiperazin-1-yl) propoxy)-7-methoxy-3-substituted phenyl-2H-chromen-2-one. *Medicinal Chemistry Research*, **2013**, 22(11), 5481-5489.
56. R Chandrashekar, Angajala Kishore Kumar, Y Rama Reddy, P Jyothi Chaitanya, N Lakshmi Bhavani, **Jalapathi Pochampalli***. Isolation of gossypol and analysis of

- phytochemicals in seed extract of Bt and non-Bt varieties of cotton. *Journal of Pharmacognosy and Phytochemistry*, 2013, 2(1), 180-186.
57. Devender Mandala, **Jalapathi Pochampalli***, Sravanthi Chada, Umapathi Nalla, Rajakomuraiah T. Facile Synthesis, Characterization and Antimicrobial Evaluation of N-Substituted-1-Piperidin-4-yl-1H-Benzotriazole. *Journal of Pharmacy Research*, **2012**, 5(7), 3848-3854.
 58. **Jalapathi P***, Devender Mandala, N. Umapathireddy, P. Rajakomuraiah. An Efficient Synthesis, Characterization and Antimicrobial Screening of N-substituted 2-(piperidin-4-yl)-2H-benzo [d][1, 2, 3] Triazoles. *Letters in Drug Design & Discovery*, **2012**, 9(5), 471-478.
 59. **J Pochampalli***, D Mandala, B Doddi, U Nalla. Synthesis and characterization of some novel coumarin based pyrazoles, isoxazole and pyrimidyl derivatives. *J. Pharm. Res.*, **2012**, 5, 1957-1962.
 60. Devender Mandala, Sravanthi Chada, Umapathi Nalla, **Jalapathi Pochampalli***. A facile synthesis, characterization of N-substituted 7-methoxy-3-phenyl-4-(3-piperizin-1-yl-propoxy) chromen-2-one. *Der Pharm Chem*, **2012**, 4(5), 2029-2035.
 61. **P. Jalapathi*** and M. Devender. Ecofriendly solvent free microwave induced knoevenagel condensation of 2-benzo [1, 3] dioxol-5-yl-[3, 4] bithiazolyl-5-one with substituted aromatic aldehydes. *Int. J. Chem. Sci.*, **2009**, 7(4), 2338-2344.
 62. Cherkupally Sanjeeva Reddy *, Adki Nagaraj, Pochampally Jalapathi. Zirconyl chloride promoted highly efficient solid phase synthesis of amide derivatives. *Chinese Chemical Letters*, **2007**, 18, 1213-1217.
 63. Ch Sanjeeva Reddy* B.Chandramouli, P.Jalapathi, T. Rajakomuraiah and S.M Reddy. Antifungal activity of some new copolymer resins Derived from 1-[2,4-dihydroxyphenyl] propanone and 1-[2,4-dihydroxyphenyl]2-phenyl ethanone. *PROC.NAT.ACAD.SCI.INDIA*, 77(B)IV, 2007.
 64. **P. Jalapathi**, B.Chandramouli, Ch. Sanjeeva Reddy* Synthesis and Characterizations of resins derived from α -Restolylophenone / Aromatic hydroxyl, chloro, methoxy carbonyl compounds, urea, thiourea / formaldehyde, furfural. *Int. J. Chem. Sci.* 5(2), **2007**, 635-646.
 65. Ch Sanjeeva Reddy, A Nagaraj, **P Jalapathi***. A new and efficient method for the synthesis of 5-arylmethylene-pyrimidine-2, 4, 6-trione under solvent and catalyst free conditions. *Indian Journal of Chemistry*, **2007**, 46B, 660-663.
 66. **P.Jalapathi**, and Ch Sanjeeva Reddy*. Synthesis and characterization resins derived from α -Restolylophenone / hydroxyamino and chloric benzoic acids / formaldehyde, furfural. *Oriental Journal of Chemistry*, Vol. 23(1), 227-232 (**2007**).
 67. **P.Jalapathi**, and Ch Sanjeeva Reddy*. Synthesis of new resins prepared from respropeopheone, hydroxy / amino / chloro- benzoic acids and formaldehyde / furfural. *Int. J. Chem. Sci.* 5(1), **2007**, 17-24.
 68. **P.Jalapathi**. Microwave induced solvent-free knoevenagel condensation of 2-benzo [1, 3] dioxol-5-yl-[3, 4'] bithiazolyl-4-one with substituted α , β - unsaturated aromatic aldehydes. *Int. J. Chem. Sci.* 5(2), **2007**, 477-483.

69. C S. Reddy, **P Jalapathi**, L R.Krishna. Antibacterial activity of some new resins derived from benzyl 2, 4-dihydroxyphenyl ketone oxime. *Journal of Polymer Materials*, **2006**, 23(4), 363-372.
70. Ch Sanjeeva Reddy, **P Jalapathi**. Fungicidal properties of some new copolymer resins derived from 2, 4-dihydroxyphenylethyl ketone and 2, 4-dihydroxyphenylbenzyl ketone. *Asian Journal of Chemistry*, **2006**, 18(4), 2831-2839.
71. **P Jalapathi***, L Ramakrishna, Ch.S Reddy. Assay of Antifungal Activity of Some New of Copolymer Resins Synthesized from Benzyl 2, 4-dihydroxyphenylketone Oxime. *International Journal of Chemical Sciences*, **2006**, 4(2), 395-403.
72. Ch Sanjeeva Reddy, **P Jalapathi**, T Rajakomuraiah** and S.M. Reddy. Antibacterial properties of some new copolymer resins synthesized from 1-[2,4-dihydroxyphenyl]- 2-phenyl ethanone and 1-[2,4-dihydroxyphenyl] propanone. *Proc, Nat, Acad. Sci. India, Vol,73, B(II)*, **2003**.
73. CS Reddy, B Chandramouli, **P Jalapathi***, SM Reddy, T Rajakomuraiah. Bacteriocidal activity of some new resin copolymers prepared from 2, 4-dihydroxyphenylethyl ketone and 2, 4-dihydroxyphenylbenzyl ketone. *Journal of Polymer Materials*, **2002**, 19(2), 189-194.