

Dr. Srinivasa Reddy Bireddy

Assistant Professor



Education Qualifications: M.Sc, Ph.D
Specialization: Organic Chemistry

ADDRESS:

A – Block -Room No. A106

JNTUH ID:

42150405-173423

EMAIL:

bsrinivasareddy_chem@mgit.ac.in

DATE OF JOINING:

08-03-2018

EXPERIENCE - 12 Years

- Teaching - 10
- Research -10
- Industry -2

SUMMARY:

- Publications - 25
- Conferences - 08
- Patents – 1
- Books – 1
- Honors/Awards - 2

EVENTS:

- Organized - 03
- Attended - 06

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- https://twitter.com/MGIT_hyderabad

Membership of Professional Bodies:

1. Life member (L28939): The Indian Science Congress Association, India.

Responsibilities Held at Institution Level:

1. Incharge - Purified Drinking Water plants (from 01-10-2018 to till date).
2. Class Incharge for 1st year students.

Responsibilities Held at Department Level:

1. Incharge of CO-PO mapping for NBA, NAAC, from 2018 to till date.
2. Incharge – Maintenance of file of Professional body membership.

Honors/Awards Received:

1. Received best research paper award in National Conference on Physics and Chemistry of Materials, during 14th-16th DECEMBER-2021.
2. Received best young researcher award from JNTUH Vice chancellor in 2011.

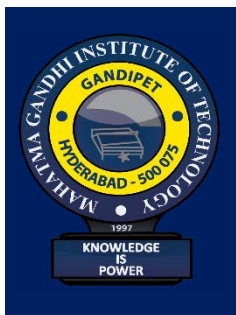
Courses Handled at Under Graduate /Post Graduate Level:

UG:

1. Chemistry (Theory and Lab)
2. Environmental Science
3. M. Sc.- Chemistry - Organic Chemistry, Medicinal Chemistry & Spectroscopy.

Publications:

1. G. Ganga Reddy, Ch Venkata Ramana Reddy and **B. Srinivasa Reddy**, Water Mediated One-pot, Stepwise Green Synthesis, Anti-inflammatory and Analgesic Activities of (3-Amino-1-Phenyl-1H-Benzo[f]Chromen-2-yl) (1H-Indol-3-yl) Methanone Catalysed by L-Proline Medicinal Chemistry (In Press) (Scopus ESCI).
2. G. Ganga Reddy, S. Ramakrishna Reddy, Ch. Venkata Ramana Reddy E. Laxminarayana and **B. Srinivasa Reddy**, Synthesis characterization and molecular docking studies of 5-chloro-1-(1H-indole-2-yl)-3-methyl-4,5-dihydro-1H-pyrazole-4-carboxylic acids. Asian Journal of Chemistry (In Press) (Scopus ESCI).
3. **Bireddy Srinivasa Reddy**, Bantu T.R, Alwera V, Vashistha V.K, Alwera S. and Sehlangia S, Synthesis of Levofloxacin based Chiral Reagent and its Application in Determination of Optical Purity of Essential Racemic Amino Acids using RP-HPLC, Vol. 26 (2) February, 2022, Research Journal of Chemistry and Environment, E-ISSN: 2278-4527 Print ISSN: 0972-0626, (Scopus, ESCI).
4. **Bireddy Srinivasa Reddy**, Siddhartha Marupati, Susmitha Kasula, Sathesh, Laxminarayana Eppakayala, Development of an efficient protocol for the synthesis and molecular docking studies of Pyrimidine

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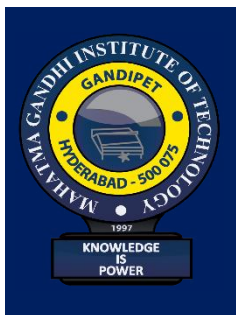
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containing 1,2,4-triazolo[3,4-b]-1,3,4-thiadiazol-3-yl) thio)-1-phenylethanone derivatives as promising anticancer agents, Vietnam J. Chem., 2022, 60(2), 169-182, Online ISSN:2572-8288, wiley publication, (Scopus, ESCI).

5. S. Ramakrishna Reddy, G. Ganga Reddy, Ch. Venkata Ramana Reddy, B. Srinivasa Reddy, E. Laxminarayana, A facile synthesis, characterization and docking studies of 2-methyl-3-(5-phenyl-4H-(1,2,4) triazol-3-yl)-quinoxaline and its derivatives, Vietnam J. Chem., 2022, 60(1), 92-100, Online ISSN:2572-8288, wiley publication, (Scopus, ESCI).
6. **Srinivasa Reddy Bireddy**, M. Rajeshwari, P. Bhaskar, D. Ramesh and E. Laxminarayana, Anti-Cancer Docking Investigations, Anti-Oxidant Properties And Microwave-Assisted Synthesis Of 1-(4-((2-((7-Hydroxy-1,8-Naphthyridin-2-Yl) Amino)-6-Phenylpyrimidin-4-Yl) Amino) Phenyl)-3-Arylprop-2-En-1-Ones, Heterocyclic Letters, Vol. 11| No.4|627-637|August-October|2021 ISSN: (print) 2231-3087 / (online) 2230-9632.
7. **Srinivasa Reddy Bireddy**, Pramod Kumar Dubey, Malaria-A Journey Revisited, Everyman's Science, The Indian Science Congress Association, Kolkata, Vol. 3 & 4, 114-118, 2020.
8. An efficient and tandem synthesis of phenyl-1-benzyl-1h-benzo [d]imidazol-2-ylcarbamatesin PEG media, S Marupati, **Srinivasa Reddy Bireddy**, J Eppakayala, VR Pendyala, L Eppakayala, AIP Conference Proceedings 2369 (1), 020055. (Scopus).
9. PEG-600: Greensolvent for synthesis of pyrazolo [5, 1-c] thieno [3, 4-e][1, 2, 4] triazin-6-amine, SR Bireddy, VRR Chittireddy, L Eppakayala, AIP Conference Proceedings 2369 (1), 020069, 2021. (Scopus).
10. Microwave-Assisted One-pot Green Synthesis of 3-Methyl-4-((1-methyl-1H-indol-3-yl) methylene) isoxazol-5 (4H)-ones SR Bireddy, GR Gaddam, CH Reddy, V Ramana, Indian Journal of Heterocyclic Chemistry, 31 (4), 603-612. (Scopus, ESCI)
11. GG Reddy, BS Reddy, CVR Reddy, A Facile, Efficient Stepwise and Alternative Synthesis of Indolyl Triazoles via "Click" Chemistry, Letters in Organic Chemistry 18 (11), 903-911. (Scopus, ESCI)
12. **Srinivasa Reddy Bireddy**, P. Bhasker, D. Ramesh, Md. Rafeeq, and E. Laxminarayana, "Green Synthesis, Molecular Docking Studies and Anticancer Effects of 3-Methyl-2-(((1-Methyl-1H-Benzo[d]imidazol-2-yl) thio) Methyl) Quinazolin-4(3H)-One," Research Journal of Chemistry and Environment, vol. 25 (7), pp. 138-146, Jun. 2021, (Scopus, ESCI)
13. **Srinivasa Reddy Bireddy**, MD. Rafeeq, and CH. Venkata Ramana Reddy. "Synthesis of 2-(3-methyl-5-oxo-4, 5-dihydro-1H-pyrazol-1-yl) quinazolin-4 (3H) -one derivatives." Vietnam Journal of Chemistry, vol. 59 (1) pp.73-78. March 2021, (Scopus, ESCI)
14. **Srinivasa Reddy Bireddy**, V. R. R. Chittireddy, and L. Eppakayala, "Environmentally benign synthesis of benzoic acid coupled benzimidazole by using PEG-600," Third International Conference on Material Science, Smart Structures and Applications: (ICMSS 2020), (Scopus, ESCI)
15. **Srinivasa Reddy Bireddy**, MD. Rafeeq, and CH. Venkata Ramana Reddy. "Development of Green protocols for the synthesis of 1H-benzo[d]imidazolo aryl amide derivatives and evaluation of their biological activity." Vietnam Journal of Chemistry, vol. 58 (6) pp.779-784. Dec 2020, (Scopus, ESCI)
16. **Srinivasa Reddy Bireddy**, V. S. Konkala, C. Godugu, and P. K. Dubey, "A Review on the Synthesis and Biological Studies of 2,4-Thiazolidinedione Derivatives," Mini-Reviews in Organic Chemistry, vol. 17, (8), pp. 958-974, Dec. 2020, (Scopus, ESCI)

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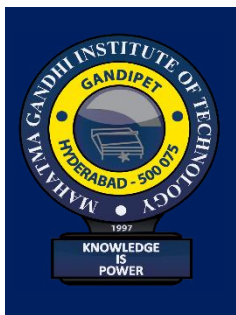
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17. **Srinivasa Reddy Bireddy**, Veera Swamy Konkala, and Pramod Kumar Dubey. "A green process PEG-600 mediated on-pot, alternative synthesis of 3-methyl-2-(((1-methyl-1H-benzimidazole-2-yl) sulfonyl) methyl) quinazolin-4 (3H) -one." Vietnam Journal of Chemistry, 58 (6) pp.798-803, Dec. 2020, Online ISSN:2572-8288, Wiley publication, (Scopus, ESCI).
18. **Srinivasa Reddy Bireddy**, A. Naidu, and P. K. Dubey, "PEG-600-mediated, green and efficient, tandem syntheses of N-substituted-2-styrylquinazolin-4- ones," Green Chemistry Letters and Reviews, vol. 6, (3), pp. 254–261, Sep. 2013, (Scopus, ESCI).
19. **Srinivasa Reddy Bireddy** , Md. Rafeeq, Ch. Venkata Ramana Reddy, A. Naidu & P. K. Dubey Green and efficient synthesis of 2-(4-oxo-3,4-dihydro-quinazolin 2-yl)2,3-dihydrothiazine-1,4-dione, Indian Journal of Chem., 54B (03), pp 412-417, March 2015, (Scopus, ESCI).
20. **Srinivasa Reddy Bireddy**, A. Naidu & P. K. Dubey, Synthesis of 3-methyl-2-(((1-methyl-1H-benzo(d) imidazol-2-yl) sulfonyl) methyl) quinazolin-4(3H)-one Journal of Chemical and Pharmaceutical Research., 2015 0975-7384, (Scopus).
21. **Srinivasa Reddy Bireddy**, A. Naidu, and P. K. Dubey. "Synthesis of Novel 2-(4-Oxo-3, 4-Dihydroquinazolin-2-yl)sulfinylmethyl)-3 H-Quinazolin-4-One." Phosphorus, Sulfur, and Silicon and the Related Elements 187, no. 5 (2012): 598-605. (Scopus, ESCI)
22. **Srinivasa Reddy Bireddy** , A. Naidu & P. K. Dubey, A Green and simple synthesis of 2- alkylsulfonyl-3H-quinazolin-4-one, Asian J. Chem., 24, pp 257-260, 2012. (Scopus, ESCI).
23. **Srinivasa Reddy Bireddy**, Md. Rafeeq, Ch. Venkata Ramana Reddy & P. K. Dubey, Synthesis of N-Substituted-2-styrylquinazolin-4(3H)-ones under solvent free condition Hetero Letters., 5, 105-110, 2015. (Scopus, ESCI)
24. Sridarala Ramu, B. Srinivasa Reddy and Cheva Mahender, Effect of Water and Ethyl Alcohol mixed solvent system on the stability of Beta-Hydroxy ketone and Benzotriazole Ligands Metal complexes, International Journal of Engineering Research and Development, 3, pp 13-20, 2017.
25. **Srinivasa Reddy Bireddy**, A. Naidu & P. K. Dubey Ethylsulfonyl]-3h-Quinazolin-4- One Derivatives". Indian J. Heterocycl. Chem., 20, 257-260 (2011). (Scopus).

Conferences:

1. Presented a research paper in 3rd International Conference on Material Science, Smart Structures and Applications (ICMSS 2020) On 15-16, October 2020 Organized by Surya Engineering College, Environmentally Benign Synthesis of Benzoic Acid Coupled Benzimidazole by Using PEG-600, S. R. Bireddy, V. R. R. Chittireddy, and L. Eppakayala,
2. Presented Research paper on "SYNTHESIS OF QUINAZOLIN-4- ONE AND BENZIMIDAZOL DERIVATIVES" in International Conference on "Continuity, Consistency and Innovation in Applied Sciences and Humanities" during 13th & 14th August 2020 organized by St. MARTIN'S ENGINEERING COLLEGE, Dhulapally, Secunderabad – 500100.
3. Presented Research paper on "An Efficient and Tandem Synthesis of Phenyl-1-Benzyl-1H-Benzo[d] Imidazol-2-yl carbamates in PEG Media" in National Conference on Physics and Chemistry of Materials during 14th - 16th Dec. 2020 organized by Dep. Of Physics, Government Holkar (Autonomous) Science college, Indore.

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4. Published Research Paper in National conference on “Recent Advances in Heterocyclic Chemistry”, conducted by Jawaharlal Technological University, Hyderabad, Andhra Pradesh on 4th and 5th November, 2011.
5. Organized the DST sponsored national conference on “Sustainability through chemical and biological sciences- NCSCB-2015” as an organizing committee member held on 19th and 20th March, 2015 at MGIT. (Role as Organizing Committee member).
6. Presented a Research Paper in “ISCBC-2009” at University of Delhi, New Delhi on Marc. 2009.
7. Presented a Research Paper in “97Th Indian Science Congress” at University of Kerala, Trivendrum, Kerala. on Jan. 2010.
8. Presented a Research Paper in “47th Annual Conference of Indian Council of Chemists” Pt. Ravishankar Shukla Universtiy, Raipur, Chhattisgarh.

Patents:

1. Patent on “HYDEL POWER GENERATION FROM MULTI STOREY BUILDING SEWERAGE” published on 19-05-2021, Bireddy, Srinivasa Reddy, IP Austraila Patent number: 2021101556.

Research & Consultancy:

1. TEQIP-III, JNTUH Minor Research Project on “Development of Green protocols for the synthesis of Benzimidazole and Pyrazole derivatives and evaluation of their biological activity” Rs. 250851/-during, during 2019-2020.

No. of Books/Chapter Published with details:

1. Srinivasa Reddy Bireddy*, Published One Chapter on Current Research and Development in Chemistry Vol.1./Interntinal/“Eco-friendly and Published One Chapter on “Green Synthesis of 2-alkylsulfanyl-3H-quinazolin-4-one” ISBN:978-93-90149-42-1, DOI: 10.9734/bpi/crdc/v2, 16-03-2020.

Events Organized:**Conferences:**

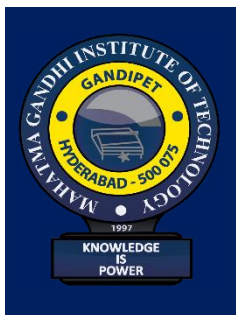
1. Organized National level seminar “National seminar on Recent Advances in Heterocyclic Chemistry -2011” at J.N.T.University, JNTUH-CEH, Hyderabad, Nov. 2011.

FDPs/STTPs:

2. Organized a national level five-day Faculty development programme on “Materials for Photonic Applications” from 9th-13th August 2021 at Dept. of Physics and Chemistry, MGIT. (Organizing Committee member).
3. Organized a five-day FDP “Role of material science in engineering-application perspective” organized by Dept. of Physics and Chemistry, MGIT from 3rd - 7th August 2020 (Organizing Committee member).

Events Attended**FDPs/STTPs:**

1. Attended One week FDP on “Outcome based education and Accreditation” 5th - 9th October 2020. Organized by ISTE Telangana chapter in association with JNTUH engineering college Jagtial, MGIT.
2. Completed TEQIP-III Sponsored One Week Short Term Course on “Chemistry for Engineering Applications” from Dr B R Ambedkar NIT, Jalandhar, Punjab, INDIA. (September 14-18, 2020).
3. Completed UGC-HRDC SPONSORED Short Term Course from JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD, on “Academy-Industry Collaboration Development for

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Pharmaceutical Research" held from 21/09/2020 to 26/09/2020.

4. Attended One week FDP on “Universal Human Values in Education” Aug 24th-28th, 2020. Organized by AICTE Training and Learning (ATAL) Academy.

Refresher Courses/ Workshops/ Webinars/ Seminars/Guest Lecture:

1. Completed online two weeks Refresher Course on RC “Drug Discovery and Formulation Development”, 12-10-2020 to 27-10-2020, being organized by UGC-Human Resource Development Centre (HRDC), JNTUH, Hyderabad.
2. Completed Faculty Induction Programme (FIP) with A+ Grade from UGC-HRDC, Jawaharlal Nehru Technological University Hyderabad.
(Aug. 3rd 2020 to Oct. 9th 2020).

Online Certifications:

1. Completed a Four-week Coursera “Quantum Mechanics” from University of Colorado (Sep. 17th.2020).
2. Completed a short course on "Learn to Design your own Solar Home System" from Energy Literacy Drive of the Energy Swaraj Foundation. (3rd Sept.2020).
3. NPTEL course on Stereochemistry.

Any Other Contribution:

1. Board of studies member for JNTUH-CEH, Hyderabad, 2013-2015, 2015-2017, 2018- tilldate.