

Dr. SHAIK BAJIVALI

Department: Basic Sciences and Humanities
College: Gudlavalleru Engineering College



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RESIDENTIAL ADDRESS

Dr. Sk. Bajivali,
S/o. Sk. Himam Saheb, Manikonda,
Unguturu Mandal, Krishna District - 521260

ACADEMIC QUALIFACATIONS: M.Sc., Ph.D.

ACADEMIC REWARDS/ACHIEVEMENTS:

Received Certificate of Best Oral Presentation for the paper entitled “Iodine catalysed multi-component synthesis of 1-Aryl-5-(N-Benzoylamine) Tetrazoles and Guanidines”, by Institute of food security and sustainable agriculture university Malaysia Kelantan, Malaysia and R.G.M. College of Engineering & Technology (Autonomous) Nandyal on 21st-22nd Dec, 2018.

PROFESSIONAL EXPERIENCE:

| Designation | Institution | Period |
|-----------------|------------------------------------------------|-------------------|
| Asst. Professor | Gudlavalleru Engineering College, Gudlavalleru | 2010 to Till date |
| Lecturer | Sri Krishnaveni PG College, Poranki | 2009-2010 |
| Lecturer | Sri Srinivasa PG College, Vuyyuru | 2006-2009 |
| Lecturer | Sri Vidhya PG College, Gudivada | 2005-2006 |

PROJECTS GUIDED:

| PhD | Post Graduation | Under Graduation |
|-----|-----------------|------------------|
| NIL | NIL | NIL |

SPECIALIZATION: Organic Chemistry**RESEARCH PAPERS/BOOKS: 13****PATENTS: 01**

Title of the invention: User friendly new trend material for solar cell applications with low cost. Publication Date: 04/02/2022.

BOOKS PUBLISHED IN PUBLICATIONS: NIL**RECENT PUBLICATIONS/CONFERENCES:**

| International/ National Journals | International / National Conferences |
|----------------------------------|--------------------------------------|
| 10 | 08 |

1. **Sk. Bajivali**, "Cobalt mediated by desulfurization toward the synthesis of isothiocyanates" International Journal for Rapid Communication of Synthetic Organic Chemistry. ISSN 0039-7911 Volume 46, Number 21 (23rd August 2016), pp. 1759-1765.
2. **Sk. Bajivali**, "An efficient methodology for the synthesis of thioureas from amine mediated by a cobalt source" International Journal of Tetrahedron Letters, volume 57(2016), PP5297-5300(28 September, 2016).
3. **Sk. Bajivali**, "Efficient Copper-Promoted Tandem Multi-Component Strategy: The Synthesis of 1- Aryl/Alkyl-5-(*N*-Benzoylamino) Tetrazoles and Guanidine's" International Journal of Chemistry Select (29- Nov) 2017, 2, 11521-11525, Wiley online Library. DOI: 10.1002/slct.201702568
4. **Sk. Bajivali**, "Cobalt-promoted one-pot reaction of isothiocyanates toward the synthesis of aryl/alkylcyanamides and substituted tetrazoles," Chemistry of Heterocyclic Compounds, Vol 54(5), June 2018, pp: 535-544. Spinger Journal, ISSN-93122.
5. **Sk. Bajivali**, "Analytical Stability Indicating HPLC Assay and Validation of Oxymetazoline HCl and Sorbitol in Bulk and Pharmaceutical Dosage form" Journal of Emerging Technologies and Innovative Research (An International Open Access Journal & UGC and ISSN Approved) Volume 5, Issue 12, www.jetir.org (ISSN-2349-5162) Dec 2018.
6. **Sk. Bajivali**, "An Efficient Methodology for, Iodine-Catalyzed Synthesis of N, N' Disubstituted Guanidines" International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8, Issue-1S3, June 2019. Blue Eyes Intelligence Engineering & Sciences Publication,
7. **Sk. Bajivali**, "Copper promoted C-S and C-N cross-coupling Reactions: The synthesis of 2-(*N*-Aryolamino)benzothiazoles and 2-(*N*-Aryolamino) benzimidazoles" International Journal of Tetrahedron, 75 (May 2019) 3865 – 3874

8. **Sk. Bajivali**, "Copper Iodine-Mediated Multi-Component Reactions: Readily Access to Tetrazoles and Guanidines" Letters in Organic Chemistry, Volume 18, Issue 5 , 2021 [10.2174/1570178617999200728212116](https://doi.org/10.2174/1570178617999200728212116) Published on: 28 July, 2020.
9. **Sk. Bajivali**, "A Validated Specific Stability-Indicating Reversed-Phase High Performance Liquid Chromatography Assay Method for L-Ornithine L-Aspartate and Silymarin and their Related Substances and its application to Dissolution Studies" IJPQA, Volume 11 Issue 4 October 2020 – December 2020.
10. **Sk. Bajivali**, "Bio analytic and analytic method quantitative to tucatinib estimation in pure and pharmaceutical dosage form" YMER journal, Volume-21, Page No-782-792, Aug-2022.
11. **Sk. Bajivali**, "Anion receptors based on hydroquinone for binding to redox-switchable chloride" Eur. Chem. Bull. 2023, 12 (s2), 2197 – 2205.

PAPER PRESENTATIONS: 07

1. Presented a paper entitled "Synthesis of Nano particles by plant extracts" International conference on "Applied Science and Technology (ICAST-2018)" attended at S.R.K.R Engineering College, Bhimavaram, during 24th – 25th January 2018
2. Presented a paper entitled "Importance of Engineering Materials" in one day International Symposium on "Recent Innovations in Engineering Materials (RIEM)" attended workshop at SRKR Engineering College (A), Bhimavaram, on 31st August 2017.
3. Presented a paper in International seminar "Biomass-Sustainable Solutions on Energy, Chemicals & Industrial Materials" organized by Usha Rama College of Engineering and Technology, Vijayawada on 22nd September, 2016.
4. Presented a paper on "Iodine Catalyzed Multi-Component Synthesis of 1-Aryl – 5 – (N-benzoylamino) Tetrazoles and Guanidines", got the best paper award at 2nd International conference on "Emerging Trends in Engineering, Sciences & Management (ICEESM'18)", Organized by R.G.M. College of Engineering & Technology (Autonomous) Nandyal, during 21 – 22 December 2018.
5. Presented a paper entitled "An efficient methodology for the synthesis of N-Benzoyl-N' – Aryl / Alkyl guanidines from benzoyl chloride by an Iodine source" in one day International Conference on "Applied Science and Technology (ICAST – 2019)" Organized by SRKR Engineering College (A), Bhimavaram, on 27th & 28th March 2019.
6. Oral Presented on paper entitled "Metal free Multi-Component Approach: Preparation of Benzoyl Derivatives" in Two Day National Conference on Recent Trends in Chemical, Pharmaceutical & Material Sciences (RTCPMS-2020) conducted by Department of Chemistry, Bapatla Engineering College (Autonomous), Bapatla during 13-14th March, 2020.
7. Presented a paper entitled "Iodine-mediated multi-component synthesis of N-benzoyl-N'-aryl tetrazoles and guanidine's" in National Conference on "synergetic Research Developments in Chemical, Biological and Environmental Sciences" held on March 12th, 2020 at Department of Chemistry, GSS.
8. Presented a paper entitled "Metal free Multi-Component Approach: Preparation of Benzoyl Derivatives" in International Conference on "Recent Advances in Chemical,

Pharmaceutical and Biological Sciences (RACPABS-2020)” held on 5th to 7th March 12, 2020 at Department of Chemistry, Acharya Nagarjuna University.

LIST OF WORKSHOPS ORGANIZED: 02

1. A three day workshop on “Scope of Sciences & Maths in Engineering” from 11th -13th August, 2011, Organized by Department of Basic Science and Humanities of Gudlavalleru Engineering College, Gudlavalleru, Andhra Pradesh.
2. A two day workshop on “Emerging trends in Electrochemical Energy Generation, Storage & Photovoltaics” Organized by Department of Basic Science and Humanities of Gudlavalleru Engineering College on 19th – 20th March 2016.

LIST OF WORKSHOPS/SEMINARS ATTENDED: 08

1. Two day national seminar on Advances in the Synthesis of Nanomaterials and their Multi Dimensional Applications in Chemical & Bio-Sciences, (NANCBS-16), organized by Andhra Loyola College, (Autonomous) Vijayawada on 14 - 15 September 2016.
2. Recent trends in Material Science, Nanoscience & Nanotechnology” (RTMSNN – 2017), Organized by Department of Chemistry in association with Science and Engineering Research Board (SERB), New Delhi, held at A. G. & S.G. Siddhartha Degree College of Arts & Science, Vuyyuru 3rd – 4th January 2017.
3. Attended a two day national seminar on “Advances in the Synthesis of Nanomaterials and their Multi Dimensional Applications in Chemical & Bio-Sciences” (NANCBS-16), held at Andhra Loyola College, (Autonomous) Vijayawada on 14th & 15th September 2016
4. Attended Two Day Workshop on “Emerging trends in Electrochemical Energy Generation, Storage & Photovoltaic’s” Conducted by Gudlavalleru Engineering College, Gudlavalleru on 19th – 20th March 2016.
5. Attended one week Faculty Development Program on “MATLAB APPLICATIONS IN MECHANICAL ENGINEERING” organized by department of Mechanical Engineering, Gudlavalleru Engineering College, Seshadri Rao Knowledge Village, Gudlavalleru – 521356, during 07th – 11th September 2015.
6. One Day National Seminar on "SOLAR ENERGY FOR GREEN ENVIRONMENT" organized by Faculty of Engineering Chemistry, Department of Freshman Engineering. PVP Siddhartha Institute of Technology (Autonomous) Kanuru, Vijayawada held on 31st March 2015.
7. Green Chemistry – its impact on Environmental Protection held at Sir CRR College, Eluru on 6th February 2014.
8. Participated in National Seminar on “Modern Trends in Chemical Sciences” Organized by Acharya Nagarjuna University, Guntur, 20th & 21st December 2013.

ONLINE WEBINARS/FDPs: 06

1. Participated in Five day online Faculty development programme (FDP) on “Chemistry Significance in Engineering, Pharmacy, Nano Technology and Environment (CEPNE-2020) Organized by Pragathi Engineering College (Autonomous), Surampalem, 2th - 6st June-2020.
2. Participated in National Webinar on “Emerging Synthetic Organic Techniques in Drug Discovery” Organized by V.V.Institute of Pharmaceutical Sciences, Gudlalleru, 5th June-2020.
3. One Day International Webinar on "COVID-19 Pandemic: Development and Challenges” Organized by Social Work- Wing, Directorate of Distance Education, Alagappa University and Department of Social Work, Central University of Tamil Nadu, Thiruvavur from 13st June to 17th June 2020.
4. Participated the Two days National Level Faculty Development Program 2.0 (FDP) organized by North Storm Academy held on 13th and 14th May, 2020.
5. Participated in “Faculty Program on NBA” on 5/12/2020, with a passing score of 90% organized by Bharati Vidyapeeth College of Engineering, Navi Mumbai-400614.
6. Participated in the International Webinar on “Recent Success and Challenges in Nanoscience and Nanotechnology (Experiment and Theory)- RSCNN-2020”, Organized by School of Applied Sciences and Humanities Haldia Institute of Technology, held from 25th -27th September, 2020.
7. Participated in the Five –Day International online Faculty Development Programme on “Emerging Trends in Nano Technology (ETNT-2021) organized by the Department of Basic Science, Vishnu Institute of Technology (A), Bhimavaram AP in association with Physical Research Laboratory (PRL), Ahmadabad, Gujarat. From 9th – 1st November 2021.

CERTIFICATIONS: 04

1. Received NPTEL Online Certification for the course “Biomedical Nanotechnology” (4 Week Course) Jul-Aug 2017 with 61% (Elite) score from IIT, Roorkee.
2. Received NPTEL Online Certification for the course “Non-Conventional Energy Resources” Biomedical Nanotechnology” (12 Week Course) Jan-Apr 2019 with 65% (Elite) score from IIT, Madras.
3. Received NPTEL Online Certification for the course “Environmental soil chemistry” (12 Week Course) June-Dec 2020 with 78% (Elite-Silver) score from IIT, Kharagpur.
4. Received NPTEL Online Certification for the course “Environmental soil chemistry” (12 Week Course) July-Oct 2021 with 77% (Elite-Silver) score from IIT, Kharagpur.

INDUSTRIAL TRAINING: NIL

GUEST LECTURES DELIVERED: NIL

MEMBERSHIP IN PROFESSIONAL BODIES: NIL

CONSULTANCY ACTIVITIES: NIL

GRANTS FETCHED: NIL