

Name of Faculty Dr. Ganji Saidulu  
 Designation Assistant Professor  
 Nature of Job/Appointment Contract  
 Date of Joining 12-02-2024  
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Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Chemistry) CSIR-IICT/Osmania University	Awarded
PG	M.Sc. (Organic Chemistry)	First with Distinction
UG	B.Sc. (Mathematics, Physics, Chemistry)	First

**Work Experience**

Teaching	6 Years
Research	7 years
Industry	--
Others	--
Area of Specialization	Biomass conversion, Mesoporous Materials, Green Chemistry, Nano catalysis, Metal-Organic frameworks.
Professional Memberships	InSc Professional Membership Number: 20200843.
Responsibilities held at Institution Level	-
Responsibilities held at Department Level	Class In-charge/Teacher.
Research Guidance	-

Awards Received	<ol style="list-style-type: none"> <li>1. InSc Young Researcher Award by Institute of Scholars, Bengaluru-2021.</li> <li>2. Best presentation award in a National Seminar on „Advances in Chemical Science“ held on 11th January 2020, Govt. Degree College, Wanaparthy, Palamuru University.</li> <li>3. Awarded Senior Research Fellowship (SRF) from Council of Scientific and Industrial Research (CSIR), New Delhi, India (2011-2014)</li> <li>4. Awarded Junior Research Fellowship (JRF) from the Council of Scientific and Industrial Research (CSIR), New Delhi, India (2009-2011)</li> <li>5. Qualified National Eligibility Test (NET), jointly conducted by CSIR and UGC, India, 2009</li> <li>6. Secured 2nd Prize in Quiz competition at 21st National Symposium on Catalysis: Catalysis for Sustainable Development, CSIR-IICT, Hyderabad, India, 2013</li> </ol>
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Courses Handled at Under Graduate / Post Graduate Level. Engineering Chemistry, Applied chemistry

No. of Papers Published National Journals – Nil International Journals – 15

Projects Carried out

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1 G. Saidulu, P. Parchuri, M. Balireddy, K. Vinetha, N. Padmasri, Ch. Jahnavi.

“Navel nanostructured catalysts for electrochemical water splitting”. Indian Patent No. 202341077561 A (2023)

2.G. Saidulu, S. K. mohan, P. M. Krishna, B. Padma, P. Ramudu. “Catalytic system for efficient conversion of methane to liquid hydrocarbons”. Indian Patent No. 202341077168 A (2023)

3.G. Saidulu, S. K. mohan, Manisha A. Bora, B. Padma, P. Ramudu.

“Metal-Organic Frameworks(MOFS) for selective capture and release of gaseous pollutants”, Indian Patent No. 202341077167 A.

Patents

4..A. Nagarjuna, N. Kotilingaiah, Ganji Saidulu, K.V.S.N. Raju, K. K. Swamy.

“Electric vehicle charging in smart grid: a spatiotemporal optimization method for green environment”. Indian Patent No. 202241048000 A (2022)

5.G. Saidulu, P. Parchuri, K. Vinetha, T. Sudhakar, M. Balireddy, N. Padmasri.

“Autoclave for The Pressure Digestion Of Sample materials In Analytical Chemistry”. Indian Patent No. 202241067609 A (2022)

Technology Transfer

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Invited Speaker

Invited talk at International conference on “Advances in Catalysis: An Industrial outlook” held on 1st & 2nd August 2019, CSIR-Indian Institute of Chemical Technology, Hyderabad, India, with the title “PdNPs supported on carboxylic acid functionalized SBA-15: An efficient catalyst for hydrogenation of nitro benzene to aniline in water”

No. of Books/Chapter Published with details

1. Book chapter “Synthesis and Characterization of CuNPs doped on modified SBA-15”, in edited book titled “Role of basic sciences in modern engineering education”, Weser Books, Germany, ISBN No: 978-3-96492-295- 3, Page Numbers-97-104. Authors: Dr. Ganji Saidulu
2. Book chapter “Water Pollution and Purification Methods”, in edited book titled “Environment and unsustainable human life”, VL Media Solutions, New Delhi, ISBN No: 978-93-91308-41-4, Page Numbers-1-9. Authors: Dr. Ganji Saidulu
3. Book chapter “Biomass rice husk derived carbon supported Pd Nanoparticles: Synthesis and catalytic applications”, in an edited book titled “Innovative Chemistry for Mankind”, SCIENGPUBLICATIONS, India, ISBN No: 978-93-94766-17-4, Page Numbers-54-59. Authors: Dr. Ganji Saidulu, Thirupataiah Ketike.

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Training (**Attended and/or Organized**).

1. Presented a paper titled “ Pd/SBA-COOH: An eco-friendly Catalyst for the reduction of nitro aromatics in water” inTwo days National Conference on “Emerging Trends in Chemical Synthesis” on 6th and 7th October, 2023 Organized by, Chaitanya Deemed to be University, Hyderabad.

2. Presented a paper titled “ Pd/SBA-COOH is a green catalytic boat for the production of H2 at room temperature in aqueous media” in an In International conference on “Recent Chemical Advances for Sustainable Development” held on 12th and 13th April 2022, University College for Women, Osmania University, Hyderabad.

3. Presented a paper titled “Hydrogen production and its insitu utilization for the selective hydrogenation of nitrobenzene to aniline over PhNPs/SBA-15 catalysts” in a National Seminar on “Advances in Chemical Science” held on 11th January 2020, Govt.Degree College, Wanaparthy, Palamuru University.

4. Presented a paper titled "Allylic oxidation of cyclohexene to cyclohexanone over PdO/SBA-15 catalysts" at National conference on "Recent Trends in Nanomaterials" held on 28th February, 2019, Dr. B. R. Ambedkar College, Baghlingampally, Hyderabad, India.

5. Presented a paper titled "Synthesis, Spectroscopic Studies and Applications of CuNPs/SBA-15 Catalysts" in an International Conference on "Emerging Trends in Spectroscopic Techniques and their Applications" held on 3rd and 4th December, 2018, University College for Women, Koti, Hyderabad, India.

6. Presented a paper titled "Pd/SBA-NH<sub>2</sub>: An eco-friendly Catalyst for the hydrogenation of C=C bond of  $\alpha$ ,  $\beta$ -unsaturated carbonyl compounds in H<sub>2</sub>O" in an International Conference on "Chemistry For Sustainable Future" held on 7th to 8th August, 2018, Palamuru University, Mahabub Nagar, Telangana, India

#### Faculty Development Programs attended

1. Innovation Ambassador(IA) training conducted by MoE's innovation cell & AICTE during calendar year 2021-22.

2. Faculty development programme on "Emerging Trends in Power & Energy: A Research Perspective" during 7th to 13th August 2019 organized by JB Institute of Engineering and Technology.

3. Faculty development programme organized by JB Institute of Engineering and Technology during 19-20th December, 2017.

4. Faculty development programme on Chemistry during 18th to 23rd June, 2018 organized by department of Integrated Chemistry, Palamuru University, Mahabubnagar.

#### Programs Organized

1. Convener for Virtual seminar on "Intellectual Property Rights for Academics and Research" organized by JBIET in association with CSIR-IMMT, Bhubaneswar on 19th July 2023.

2. Coordinator for one-day National webinar on "IPR awareness program" organized by Patents office, Chennai, Government of India, under National Intellectual Property Awareness Mission (NIPAM) in JBIET on 12th July 2023.

3. Coordinator for IPR awareness program organized by Patents office, Chennai, Government of India, under National Intellectual Property Awareness Mission (NIPAM) in JBIET on 21st June 2022.

4. Coordinator for National Science Day celebrations organized in JBIET on 28th February 2022.

5. Convener for Two days webinar on "Recent Advances in Chemical Science" organized by Department of Chemistry, JBIET, during 24th and 25th June, 2020.

#### Details of Journal Publications/ Conferences (National and International)

##### International Journal from the year 2017

1. V. R. K. Velpula, T. Ketike, A. Rajajagdeesan, M. A. Bora, **Saidulu Ganji\***, D. R. Burri and K. M. Surapaneni, Magnetically recoverable Cu<sub>2</sub>O-Fe<sub>3</sub>O<sub>4</sub>@TNT catalytic system for click chemistry in water: multi- component synthesis of 1,2,3-triazoles at room temperature, *Materials Advances*, **2022**, Vol-3, PP 7960-7965
2. **Saidulu Ganji\***, T. Ketike, V. R. K. Velpula, "Biomass rice husk derived carbon supported Pd Nanocatalyst is an effective catalyst for carbonylative Suzuki-Miyaura cross coupling reaction", *International Journal of Chemistry Studies*, **2021**, 5(2), 6-9.
3. Thirupathaiah K, Ashokraju M, Venkata Shiva Prasad V, Kamaraju Seetha Rama Rao and David Raju Burri, **Saidulu Ganji\***, "Lanthanum Triflate Anchored SBA-15 is an Efficient Catalyst for the Nitration of Alkyl Aromatics", *Journal of Applicable Chemistry*, **2020**, 9(4), 628-637
4. **Saidulu Ganji\***, Padma Bukya, Zhang-Wen Liu, Kamaraju Seetha Rama Rao and David Raju Burri, "Carboxylic acid functionalized SBA-15 supported Pd nanocatalyst: An efficient catalyst for hydrogenation of nitro benzene to aniline in water", *New Journal of Chemistry*, **2019**, 43, 11871.
5. **Saidulu Ganji\***, Padma Bukya, Zhang-Wen Liu, Kamaraju Seetha Rama Rao and David Raju Burri, "Synthesis, Spectroscopic Studies and Applications of CuNPs/SBA-15 Catalysts", *Journal of Applicable Chemistry*, **2019**, 8 (3), 954-959.

6. Padma Bukya, **Saidulu Ganji**, David Raju Burri and Kamaraju Seetha Rama Rao, "Pt-Ni/Al<sub>2</sub>O<sub>3</sub> Bimetallic Catalysts for Vapor Phase Dehydrogenation of Decalin", Journal of Applicable Chemistry, **2019**, 8 (3), 939-947

