Name of Faculty	Dr. Ganji Saidulu
Designation	Assistant Professor
Nature of Job/Appointment	Contract
Date of Joining	12-02-2024
E-mail	saiduluganji_chm@cbit.ac.in

Education Qualifications	**Name of the Degree**	**Class**
Post-doc	Postdoctoral Research Fellow(Shaanxi Normal University, Xian, China)	
Ph. D	Doctor of Philosophy (Chemistry) CSIR-IICT/Osmania University	Awarded
PG	M.Sc. (Organic Chemistry)	First
UG	B.Sc. (Mathematics, Physics, Chemistry)	First

Work Experience

Teaching	9.6 Years
Research	7 years
Industry	--
Others	--

Area of Specialization	Biomass conversion, Mesoporous Materials, Green Chemistry & Catalysis
Professional Memberships	InSc Professional Membership Number: 20200843.
Responsibilities held at Institution Level	-
Responsibilities held at Department Level	Timetable co-ordinator Departmental NPTEL Co-ordinator Class In-charge Lab In-charge Mentor
Research Guidance	-
Awards Received	1. Best presentation award in a National Seminar on „Advances in Chemical Science" held on 11th January 2020, Govt. Degree College, Wanaparthy, Palamuru University. 2. Awarded **Senior Research Fellowship (SRF)** from Council of Scientific and Industrial Research (**CSIR**), New Delhi, India (2011-2014) 3. Awarded **Junior Research Fellowship (JRF)** from the Council of Scientific and Industrial Research (**CSIR**), New Delhi, India (2009-2011) 4. Qualified **National Eligibility Test (NET**), jointly conducted by CSIR and UGC, India, 2009 5. Secured 2nd Prize in Quiz competition at 21st National Symposium on Catalysis: Catalysis for Sustainable Development, CSIR-IICT, Hyderabad, India, 2013

Courses Handled at Under Graduate / Post Graduate Level.	Chemistry and Chemistry Lab
No. of Papers Published	National Journals – Nil International Journals – 20 National Conference – Nil International Conference – Nil
Projects	1. Design and development of cost effective Cu based nanocatalysts the conversion of cellulosic biomass into value added products Project ID: CBIT/PROJ-1H/1103/Chemistry/D010/2025 2. Design and development of eco-friendly and sustainable mesoporous silica supported bi-metallic nano catalysts for the production of GVL Project ID: CBIT/PROJ-1H/1102/Chemistry/D010/2025
Patents	-
Technology Transfer	-
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 “Catalytic Hydrogen production and its insitu utilization” during 13-14 Dec-2024 at iCBIT-2024 2. Participated in Royal Society of Chemistry’s 2024 RSC Poster Conference with the title “PdNPs decorated on organically modified mesoporous silica: An efficient catalyst for the production of H_2 from hydrous hydrazine at RT” 3. Attended a SERB Social Responsibility workshop at IIT Hyderabad on 22-23rd March 2024, titled” Advanced heterogeneous Catalysis for Waste to wealth” 4. 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

5. 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.
6. 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.
7. 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. Ambedakar College, Baghlingampally, Hyderabad, India.
8. 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.
9. Presented a paper titled "Pd/SBA-NH2: An eco-friendly Catalyst for the hydrogenation of C=C bond of α, β-unsaturated carbonyl compounds in H2O" 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. FDP on "Recent Advancements in Material Science & Medicinal Chemistry" organized by Anurag University, Hyderabad, from 22nd to 26th July, 2024.
2. One week national level refresher course on Engineering Chemistry, Organized by MRECW, Hyderabad from 15th to 20th July, 2024
3. Innovation Ambassador(IA) training conducted by MoE"s innovation cell & AICTE during calendar year 2021-22.
4. 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.
5. Faculty development programme organized by JB Institute of Engineering and Technology during 19-20th December, 2017.
6. 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, Bhubaneshwar 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 Journals

1. Sivudu Chiragoni, Kumara Swamy Koppadi, **Saidulu Ganji**, Nagaraju Nekkala ,Kavitha Siddoju, Efficient production of γ-valerolactone by transfer hydrogenation of levulinic acid using Cu–In_2O_3–Al_2O_3 prepared by combustion method, **Journal of the Indian Chemical Society**, 2025, 102, 102128.
2. Sivudu Chiragoni, Kumara Swamy Koppadi, **Saidulu Ganji**, Nagaraju Nekkala ,Kavitha Siddoju, 2. Selective dehydrogenation of cyclohexanol to cyclohexanone over biomorphic Cu/ZnO catalysts, **Scientific Reports**, 2025, 15, 33836.
3. **Saidulu Ganji***, Ramesh Kola, Kumar. G, Ramesh. M, Cu-Ag/SBA-15 nanocatalysts for the control of microorganisms in water, ***Discover Nano***, 20, 16 (2025)
4. Saidulu Ganji, PV Reddy, Mallesh. B, Vapor-Phase Oxidation of Benzyl Alcohol into Benzaldehyde Using Biphasic Ce–Mn Catalyst in Presence of Air, ***Russian Journal of General Chemistry***, 94,3413–3423(2024)
5. Saidulu Ganji, Ramesh Martha, Influence of Surface Roughness, Electrical, and Structural Properties on the Catalytic Sulfurization of Glutamic Acid for S-Glutamate Production: Enhancement in Rate and Selectivity under the Catalyst of Lycopene, ***Iranian Journal of Catalysis***, Volume 15, Issue 1, 152508(2025)
6. S. Bhoomandla, B K. Chennuri, S. Sirisha, **S. Ganji**, R. Trivedi, A. Karunasri, S. Pandiri, "Design, Synthesis of Flurbiprofen Based 1,3,4-Oxadiazoles and Constrained Anticancer, Antioxidant Agents: In silico Docking Analysis", Chemistry Biodiversity, **2024**, https://doi.org/10.1002/cbdv.202401313
7. K, Gullapelli, S.Ganji, R. Kola, One-pot multicomponent approach towards the synthesis of 5-substituted 1H-tetrazoles using lanthanum (III) nitrate hexahydrate as a catalyst, Research on Chemical Intermediates,2024, 50 (9), 4407-4423.
8. V. R. K. Velpula, T. Ketike, A. Rajajagdeesan, M. A. Bora, **Saidulu Ganji***, D. R. Burri and K. M. Surapaneni, Magnetically recoverable Cu_2O–Fe_3O_4@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
9. **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.
10. 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
11. **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.
12. Saidulu Ganji, Siva Sankar Enumula, Ravi Kumar Marella, Kamaraju Seetha Rama Rao and David Raju Burri, RhNPs/SBA-NH2: A high-performance catalyst for aqueous phase reduction of nitro arenes to amino arenes at room temperature
Catalysis Science and Technology, 2014, 4, 1813.
13. Saidulu Ganji, Suresh Mutyala, Chinna Krishna Prasad Neeli, Kamaraju Seetha Rama Rao and David Raju Burri, Selective hydrogenation of the C=C bond of α, β-unsaturated carbonyl compounds over PdNPs–SBA- 15 in a water medium, **RSC Advances**, 2013, 3, 11533.
14. Saidulu Ganji, Padma Bukya, Venkateswarlu Vakati, Kamaraju Seetha Rama Rao and David Raju Burri, Highly efficient and expeditious PdO/SBA-15 catalysts for allylic oxidation of cyclohexene to cyclohexanone, **Catalysis Science and Technology**, 2013, 3, 409-414.
15. G. Saidulu, N. Anand, K.S. Rama Rao, B. Abhishek, S.-E. Park, D.R. Burri, Cu/SBA-15 is an efficient solvent-free and acid-free catalyst for the rearrangement of benzaldoxime into benzamide, **Catalysis Letters**, 2011,141, 1865–1871.
16. Mohan V, Venkateshwarlu V, Saidulu G, David Raju B, Ramarao KS,Ni nanoparticles supported on mesoporous silica (2D, 3D) architectures: Highly efficient catalysts for the hydrocyclization of biomass-derived levulinic acid, **RSC advances**, 2015, 5, 57201
17. Chinna Krishna Prasad Neeli, Ravi Kumar Marella, Saidulu Ganji, Kamaraju Seetha Rama Rao and David Raju Burri, Selective oxidation of benzylamine to N-benzyl benzaldimine over nanogold

immobilized SBA- 15 under solvent-free conditions, **Journal of Chemical Technology & Biotechnology**, 2014, 70, 1657.

18. Venkateswarlu Vakati, Saidulu Ganji , Ravi Kumar Marella, Kamaraju Seetha Rama Rao & David Raju Burri, Vapor phase chemoselective conjugate hydrogenation of isophorone over Pd/SBA-15 catalysts **Indian Journal of Chemistry**, Vol. 53A,April-May 2014, pp.557-560.
19. Chinna Krishna Prasad Neeli, Saidulu Ganji, Venkata Siva Prasad Ganjala, Seetha Rama Rao Kamaraju and David Raju Burri, Oxidative coupling of primary amines to imines under base free and additive-free conditions over AuNPs/SBA-NH2 nanocatalyst, **RSC Advances**, 2014, 4, 14128-14135.
20. E. Siva Sankar, V. Mohan, M. Suresh, G. Saidulu, B. David Raju, K.S. Rama Rao, Vapor phase esterification of levulinic acid over ZrO2/SBA-15 catalyst, Catalysis communications, 2016,75, 1.