Dr. Suma GR

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Education

	Degree	Year	Institute	Specialization
1	Ph.D.	2018	JNTU, Anantapuramu, TN	Chemical Engineering
2	M.Sc.(Engg.)	2008	SIT, Tumakuru	Chemical Engineering
3	B.E	1998	SIT, Tumakuru	Chemical Engineering

Professional Experience

	Date (from-to)	Designation	Organization
1	2011- till date	Assistant professor	Siddaganga Institute of Technology
2	2009-2011	Senior Lecturer	Siddaganga Institute of Technology
3	1999-2009	Lecturer	Siddaganga Institute of Technology

Positions held

ISO Coordinator
Test Coordinator
Mini/major Project Coordinator

Awards and Honors

- First prize in the poster presentation at SUSTAIN-A-VISION 2024,organized by AIChE, on “Harnessing MnMoO4 Nanoparticles for Eco-Conscious Effluent Degradation”.

Courses Taught

Undergraduate Courses

- Chemical Technology

- Fluid Mechanics
- Petroleum Refinery Engineering
- Petrochemicals
- Material Science & Materials of Construction.
- Heat Transfer
- Chemical Reaction Engineering

Research Areas

- Polymer nano composites
- Material Science

Publications

Journals:

- GR Suma, NK Subramani, KN Shilpa, S Sachhidananda "Effect of Ce0.5Zr0.5O2 nano fillers on structural and optical behaviors of poly(vinyl alcohol)" , Journal of Materials Science: Materials in Electronics 28, 10707-10714, 2017
- GR Suma, NK Subramani, S Sachhidananda, SV Satyanarayana "Optical and electrical evaluation of Ag0.5Cu0.75O introduced poly(vinyl alcohol) based E.Coli sensors", Journal of Materials Science: Materials in Electronics 28, 13139-13148, 2017
- T Jayashree, TL Soundarya, GR Suma, G Nagaraju "Fabrication of Ag-doped CeO2 nanoparticles for the evaluation of their photocatalytic activity against the degradation of organic dyes and electrochemical sensing", Journal of Materials Science: Materials in Electronics 35 (21), 1457, 2024
- MR Rajani, R Ravishankar, K Asha, C Vidya, GR Suma, K Prashantha "Effective removal of Cr (VI) from an aqueous solution using a carbon coated NiFe2O4 nano-adsorbent", Colloids and Surfaces A: Physicochemical and Engineering Aspects 693, 134012, 2024
- EV Kumar, BEK Swamy, GR Suma, G Nagaraju "Green synthesis of polyoxometalate Cu3Mo2O9 nanoparticles for efficient degradation of organic dyes under visible light irradiation and their photoluminescence" Ceramics International 50 (13), 24692-24703, 2024
- NG Palan, R Kiran, GR Suma, G Nagaraju, "Facile one step green synthesis of CdO-CdS hybrid nanocomposite: Its electrochemical and photoluminescence applications", Nano-Structures & Nano-Objects 38, 101131, 2024
- G Nagaraju, KR Pooja, GR Suma, NG Palan, R Kiran, R Puttegowda, "Green approach to g-C3N4/Zn2V2O7 nanocomposites synthesis using salvia hispanica powder for photocatalytic degradation of dyes and organic catalysis", Inorganic Chemistry Communications 176, 114143, 2025
- GR Suma, R Kiran, GP Naveeth, EV Kumar, A Nizam, S Hegde, "Facile green synthesis of MnV2O6 nanoparticles: Photocatalytic studies and selective oxidation of aromatic alcohols", Inorganic Chemistry Communications 176, 114097, 2025
- EV Kumar, CM Swamy, HNA Rao, M Shashank, K Deepa, GR Suma,"Facile green synthesis of CuWO4 nanoparticles and its application for the photocatalytic degradation of rose

Bengal dye under visible light irradiation", Inorganic Chemistry Communications 172, 113706, 2025

- S Gubbi Ratna, D Koppa Suresh, R Hanumantha "Identification of groundwater potential recharge and recharge zones of Tumakuru district using GIS", Journal of The Institution of Engineers (India): Series A 104 (4), 877-893, 2023
- GR Suma, T Apoorva, KR Pooja, Aatika Nizam, Sumanth Hegde, R Harini, G Nagaraju, "Harnessing MnMoO4 Nanoparticles for Eco-Conscious Effluent Degradation and Catalytic Applications", 2025

Conference Proceedings:

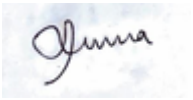
- GR Suma, NK Subramani, S Sachhidananda, SV Satyanarayana "Nanotechnology enabled E. coli sensors: an opto-electronic study", Materials Today: Proceedings 4 (10), 11300-11304, 2017
- Shubha, G., Suma, G.R., Dalal, V. "Plant-Mediated Biological Synthesis of ZnO Nanoparticles using Albizia Richardiana Seed Extract for Sensing Application" 2023 Fourth International Conference on Smart Technologies in Computing, Electrical and Electronics (ICSTCEE), 2023

Reviewer of Journals

- Journal of Inorganic and Organometallic Polymers and Materials
- Brazilian Journal of Physics

Patents

- NOVEL NANO COATING BASED OPTO ELECTRONIC DEVICES, Publication Date : 20/05/2022



Date : 27.6.25