

Dr. Ganesh Gollavelli

Biography

Dr. Ganesh Gollavelli is working as an Associate Professor in the dept. of HBS, Aditya Engineering College (Autonomous), and Assistant Professor in Jawaharlal Nehru Technological University Kakinada, India from 2021. Previously he worked as an Assistant Professor at Addis Ababa Science and Technology University in Ethiopia (2018-2020). He has 3 years of Postdoctoral Research Fellow and Faculty experience from National Tsing Hua University (2012-14) and National Chiao Tung University (2016-17), Hsinchu, Taiwan. He obtained Ph.D. as an outstanding fellow from National Tsing Hua University, Taiwan (2012) and master's and BSc with distinction from Andhra University (2001-06). He worked as a Junior Research Fellow at IIT Madras, Chennai (2007-08). He secured publication awards and various national and international scholarships from well-reputed institutions. Published in ACS, RSC, Elsevier, Springer journals and filed US Patent. He is a Member of AAAS Science, ACS, Global water intelligence, and Synergy Publishers. Organizing member of international conferences and workshops. He attended many national and international conferences as a participant and invited speaker.

Teaching:

Graphene chemistry and Applications, Inorganic Chemistry for UG and PG, Advanced Analytical Instrumentation Techniques- Theory and Practice, Research and Projects Writing, and Engineering Chemistry.

Research:

Preparation and characterization of inorganic and organic nanomaterials, such as Graphene, Perovskites, Mesoporous materials, and Polymers for Imaging and Therapy of Cancer, Bacterial disinfectants, Water Technology, Catalysis, and Solar Cells. Super Science and Universal Manipulations through AI and Meditation.

Selected

Publications:

1. Rejuvenation of Perovskite Solar Cells. Yi – You Huang, Ganesh Gollavelli, Hsiang Chao, Chain Shu- Hsu, Journal of Materials Chemistry C, 2016, 4, 759.
2. Magnetic and Fluorescent Graphene for Dual Modal Imaging and Single Light Induced Photothermal and Photodynamic Therapy of Cancer Cells. Ganesh Gollavelli and Yong-Chien Ling, Biomaterials, 2014, 35, 4499-4507.
3. Facile Synthesis of Smart Magnetic Graphene for Safe Drinking Water: Heavy Metal Removal and Disinfection Control. Ganesh Gollavelli, Chun-Chao Chang and YC –Ling, ACS Sust. Chem. Eng., 2013, 1, 462-47.

Awards/Achievements:

Distinctions from Andhra University. JRF from NCCR and ICSR-IIT Madras. Taiwan Govt. Scholarship for Ph.D. by MOFA. Outstanding Achievement Award in Ph.D., Publication Award, and Young Achiever Award by National Tsing Hua University and Global Research Recognition and Listing. MOST Postdoc / Faculty Fellowships by NTHU, and National Chiao Tung University- NSC Taiwan (ROC).