



FACULTY PROFILE ON WEBSITE

Faculty Name	Dr.Ananda A	
Academic Designation	Assistant Professor	
Educational Qualification	Ph.D,M.Sc,B.ed	
Experience in Teaching & Industry	12 & 4	
Date of Joining	08/03/2014	
Official Email ID	anand.a@dsatm.edu.in	
Employee ID		

Educational Details

- Ph.D.- Visvesvaraya Technological University.
- M.Sc.-Industrial Chemistry-Kuvempu University.
- B.Sc.-P.C.M -Kuvempu University.
- B.ed-Bangalore university

Professional Experience

- **Industrial Experience:**

4 years of experience as an Executive Analyst in Quality control at Biocon Limited from July 2010 to April 2014. During this period, I have handled various analytical instruments like HPLC, GC, IR, UV, Polarimeter, Potentiometer, Densitometer, XRD, and KF Titrator. I have received appreciation mail from the Senior Manager and Supplier for rectifying the pH issue of Methyl Iodide, which profited the organization in terms of crores of money. I received a rating of 02 in the fresh year (01-05, 01 will be the highest).

- **Academic Experience:**

Working as Assistant Professor at the Department of Chemistry, Dayananda Sagar Academy of Technology and Management, from 2014 till date. Completed my Ph.D studies on November 16th, 2023.

Publications

1. Basella alba-mediated ZnO Nanoparticles as a Sustainable Platform for Electrochemical and DFT-Supported Carbamazepine Sensing.2026
2. Role of Ionic Liquids in Hydrothermal Synthesis of Li-DopedCuO Nanoparticles: Improved Photocatalytic, Electrochemical, and Antibacterial Properties 2026

3. Green Fuel Combustion Synthesis of CeO₂ and Ag/CeO₂ Nanoparticles for Photocatalytic and Antibacterial Applications 2026
4. Impact of Ionic Liquids on the Crystal Growth and Surface Morphology of Ruthenium-doped TiO₂ Nano Heterojunction Structures for Improved Photocatalytic Degradation of Evans Blue Dye and the Associated Antibacterial Activities 2025
5. Integrating automation in biomass transformation: Opportunities, challenges, and future directions 2025
6. Eco-friendly synthesis of NiO and Ag/NiO nanoparticles: applications in Photocatalytic and antibacterial activities 2025
7. RSM-BBD Optimization approach for Degradation and electrochemical sensing of Evan's blue dye using green-synthesized ZrO₂-ZnO nanocomposite 2024
8. Raphanus sativus mediated Gd-doped Copper oxide for the sensitive detection of K₃FeCN₆ and degradation of azo dye 2024
9. Musasapientum-mediated synthesis of erbium-doped copper oxide for the sensitive detection of nitrites and degradation of azo dye 2023
10. Optimization and Numerical Investigation of Organic Dye Degradation Using Response Surface by Green-Synthesized ZrO₂ Nanoparticles and its Antibacterial Activity 2022
11. Hydrothermal synthesis of novel heterostructured Ag/TiO₂/CuFe₂O₄ nanocomposite: Characterization, enhanced photocatalytic degradation of methylene blue dye, and efficient antibacterial studies 2022
12. Numerical investigation of response surface methodology for organic dye adsorption onto Mg- Al LDH-GO Nano Hybrid: An optimization, kinetics and isothermal studies 2022
13. Green synthesis of MgO nanoparticles using Phyllanthus emblica for Evans blue degradation and antibacterial Activity 2021
14. Synthesis of nickel oxide-grafted graphene oxide nanocomposites- A systematic research on chemisorption of heavy metal ions and its antibacterial activity 2021
15. Versatile graphene oxide decorated by star-shaped zinc oxide nanocomposites with superior adsorption capacity and antimicrobial activity 2018
16. Methoxymethylation of Substituted Alcohols Using Dimethoxymethane over Mo(VI)/ZrO₂. 2018
17. Development of multipurpose CuO-GO nanocomposites for heavy metals adsorption and supercapacitor applications 2016
18. A Simple and Efficient Carbodiimide Mediated One-pot Synthesis of Novel 2-(2-hydroxynaphthalen-1-yl)-3-phenyl-1,3-thiazolidin-4-one derivatives: A Potent Antimicrobial Agent 2010

International Conferences:

- Virtual International Conference on "Recent Advances in Chemical and Biological Sciences" ViRACBS-2020 Organized by Dayananda Sagar College of Engineering from 07th to 09th Dec-2020.

National Conferences:

“Accelerating Innovations in Material sciences” AIMS-2020 Organized by BMSIT-Bangalore from 4th to 07th August 2020.

Conference Attended

e-Conference on “AtmanirbharBharat: Turn Crisis in to an Opportunity” Organized by Department of Management Studies VTU-Belagavi in association with Scientists and Engineering Wing R.E & R.F of prajapita Brahma kumariswariya Vishwavidyalaya on 20th and 21st August-2020.

Awards

Best paper presentation in Accelerating Innovations in Material sciences” AIMS-2020 Organized by BMSIT-Bangalore from 4th to 07th August 2020.

Academic Activity

IQAC Coordinator, NBA Coordinator, NAAC Coordinator, NSS Coordinator

Faculty Development Activity/Workshops

- Advances in materials and Characterization Techniques-AMCT-2020” organized by DSATM-Bangalore from 02nd to 06th Nov-2020
- “Recent advancements in Nanoparticles, Films and Membranes” organized by the Department of Chemical Engineering, SIT-Tumkur from 10th to 14th Aug-2020
- “Post Covid-19 Challenges in Science and Technology” organized by Jain University from 15th to 19th June-2020
- “Recent Trends in Science for Versatile Engineering applications” RSVEA 2019 organized by DSATM-Bangalore from 25th to 27th July-2019
- “Recent Trends in Nanoscience and Technology for Engineering applications” RNTEA-2019 organized by DSATM-Bangalore from 07th to 09th March-2019
- “New model Curriculum for First year B.E” organized by VTU at BIT-Bangalore on 07th May-2018
- “Emerging trends of Chemical Sciences” organized by BMSIT-Bangalore on 19th to 23rd Feb-2019

Contact Details

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