



Centre for Interfaces & Nanomaterials

Dr. K Jagajjanani Rao, Professor (Res) - Biotechnology

Apply Now and Be Part of the Breakthrough Innovations

Dr. K. Jagajjanani Rao is a dynamic and accomplished researcher in the fields of **Applied Nanotechnology, Biotechnology, and Chemical Sciences**, specializing in Green Technologies and Multifunctional Nanoparticles. With a Ph.D. and M.Tech from NIT Rourkela, Dr. Rao brings over a **decade of rich R&D experience** to academia and industry. Currently serving as Professor (Research) and Lead of the Bioincubator Facility at VelTech TBI, he is also the **Co-Founder** of GreeNano Technologies, a start-up focused on sustainable innovation. Further his Centre has received prestigious grants from **DBT** and **DST** of worth **~2.5 Cr**, and holds a strong publication record with over **43 refereed journal articles, 2 book chapters**, and a cumulative impact factor of 130+.

His research addresses **societal and industrial challenges**, particularly in environmental remediation, clean water technologies, and sustainable production, aligning with **UN SDGs (Goal 6 & 12)**. He actively mentors young researchers and invites motivated Ph.D. aspirants to join his interdisciplinary group.

Looking for PhD Students in the Following Areas

- **Green Synthesis of Nanomaterials**
- **Colloids and Interfaces**
- **Multifunctional Nanocomposites**
- **Organic Pesticides, AgriBiotech**
- **Water Treatment Technologies**
- **Photocatalysis and other emerging areas**



Why Pursue Your Ph.D. at Our Centre?

- Engage in cutting-edge research with real-world applications
- Access state-of-the-art laboratories and facilities
- Collaborate with national and international research institutions
- Receive mentorship from a renowned expert in the field
- Contribute to sustainable solutions in agriculture, healthcare, and environmental protection

Facilities Available

- UV-Visible, Fluorescence, FTIR spectrophotometers
- Contact Angle Goniometer, Tensile Tester
- Multiparameter Photometer, Spray Dryer
- Sonicators, Incubators, and Routine research Equipment
- Advanced Microscope, AFM and Clean Workspace

Contact details

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Our Page: <https://www.veltech.edu.in/research/cfi.html>