



Centre for Materials Research

Dr. J. Gajendiran

Professor-Physics

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Dr. J. Gajendiran is currently working in the field of nanomaterials for photocatalysts, energy storage, biomedical, and optoelectronic device. He is also working in the field of single crystals and thin film for testing electro-optical properties. He has published 71 Scopus publications in well reputed journal. His h-index 14. His total publications of the cumulative IF value are 150+. He has completed 1 Ph.D. and 4 M.Sc. students in the field of nanomaterials. He acted as a guest editor in Chemical Physics Impact and Recent Patents on Nanotechnology. His outstanding publications such as Small methods (IF 10.7), Sustainable materials and Technologies (IF 8.7), Ceramics International (IF 5.1), Materials Research Bulletin (IF 5.3). Reviewer awards were received from J. Cleaner Production, J. Hazardous Materials, Ionics, Scientific Reports, Chemical Physics Letters, J. Physics and Chemistry of Solids, Materials Science in Semiconductor Processing, Nanostructures and Nano objects, International Journal of Electrochemical Science, Waste and Biomass Valorization, Clean energy, Applied Surface Science Advances, J. Sol-Gel Science and Technology, Applied Energy, Discover Nano etc.

Expecting for PhD students to work in the following areas

- Development of nanomaterials for photocatalytic applications
- Synthesis of nanomaterials for energy storage applications
- Synthesis of single crystals and thin film for optoelectronic device
- Development of nanomaterials for biomedical applications

Facilities available

- ✓ Photoreactor is available for catalytic applications
- ✓ Muffle furnace and high temperature furnace are available for the synthesis of nanomaterials, polymer electrolytes and thin film
- ✓ Microwave oven, hot air oven, fume hood, and centrifuge are available for the synthesis of nanomaterials
- ✓ Free access of research articles in science direct.

Benefits and opportunities

- Well reputed National and International collaborations for publications
- Monthly university fellowship of Rs. 25,000/- for three years
- Publications in well reputed WOS journals
- To connect internship program with international university

Contact details

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