



Dr. SURAJIT SOME
UGC-Assistant Professor
Department of Specialty Chemicals Technology,
Institute of Chemical Technology,
Matunga, Mumbai, 400019



Research Experience: 17 years

Patents: Granted: 14 Applied: 09

Research Focus :

- Design and Synthesis of graphene derivatives and their applications, including Flame retardants, Energy storage materials, Bio-probes, Waste stream treatment, Advanced catalysts, Semiconductor materials, Anticancer materials, Sensors and Surfactants.

Technology Licensed:

- Product Name: Flame Retardant Cotton cloth, Licensed to Oustfire Safety Engineers Pvt. Ltd.- Fire Safety Sales and Services.

Interested Industry member kindly connect through:
Email Id: icc-industryacademia@iccmil.in

Technologies (Proof of Concept- POC): TRL level.....

- Water Based Fire Extinguisher (TRL Level -9).
- Clay-Based Composite for Fire Retardant and Heat-Resistant Applications. (TRL Level-7).

Technologies under development:

- Bio-Based Foam Packaging Material (Thermocol Replacement).
- Aluminum Modified Composite to Enhance Polymer's Thermal Stability.
- Bio-based Fire Retardant Adhesive.
- Waste Plastic-derived Fire Retardant Materials.
- Fire Retardant Suit.

Targeted Industries:

- Fire Fighting Industry.
- Textile Industry.
- Packaging and Transport Industry.
- Polymer Industry.

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