



Research paper by Dr. A. P. Sobha (AS Dept) in an Elsevier Journal

A research paper titled “Electrical, Thermal, Mechanical and Electromagnetic interference shielding properties of PANI/FMWCNT/TPU composites” authored by Dr. A. P. Sobha (Asso. Professor, Applied Sciences Dept.), jointly with her research supervisor Dr. Sunil K. Narayanankutty (Department of Polymer Science and Rubber Technology, CUSAT) and Ms. Sreekala P. S. (Department of Electronics, CUSAT) has been published in the Elsevier Journal “Progress in Organic Coatings”.

Full text of the paper can be accessed at this link: [Full paper here](#)

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- 1. Introduction
- 2. Experimental
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Featured Article



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Electrical, thermal, mechanical and electromagnetic interference shielding properties of PANI/PWCNT/TPU composites

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Highlights

- Conductive TPU composite using polydiphenyl ether (PWCNT) was prepared by in situ polymerization assisted by sonication.
- Electrical, mechanical, thermal and EMI shielding properties of the composites were

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