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**Title:** “Preparation And Characterization Of Oil-Extended EPDM Elastomer Nanocomposites: Effects of MWCNT and Nanographite Concentrations”.

**Area of research:** Synthesis, Characterizations and Applications of Nanomaterials, Polymer Composites, Nanocomposites.

**M.Sc. Chemistry - 2012**  
Faculty Of Science, BHU, Varanasi (U.P.)

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### **Publications:**

1. Neha Jha, Gautam Sarkhel, and **S. P. Mahapatra**, Morphology, barrier and electrical properties of oil-extended EPDM/nanographite nanocomposites, Materials Today: Proceedings, 45, 3850-3856 (2021).
2. Neha Jha and **S. P. Mahapatra**, Mechanical, thermal and impedance properties of oil-extended EPDM/MWCNT nanocomposites: Efficacy of MWCNT reinforcement, Journal of The Indian Chemical Society, 97(7), 1157-1160 (2020).
3. Neha Jha, **S. P. Mahapatra**, Morphology, Barrier, Mechanical and Electrical Conductivity Properties of Oil-Extended EPDM/MWCNT Nanocomposites, International Journal of Engineering and Advanced Technology, 8(6), 4116 (2019).