



# AAKANKSHA MOHAN

## EXPERIENCE

### INTERNSHIP

Electrical characterization • MNCF, IISC

Worked in the electrical characterization facility for nanomaterials by obtaining data for several micro and nano sensors.

## EDUCATION

### Visvesvaraya Technological University

- Bachelor of Engineering in Nanotechnology, 2018

### Birla Institute of Technology and Science

- PhD in Chemical Engineering, 2019-Present

## SKILLS

- Nanomaterial synthesis (sol-gel, coprecipitation, hydrothermal and microemulsion methods) & characterization techniques (FTIR, XRD, VSM, SEM, EDAX, HRTEM, contact angle studies).
- Micro/nanofiber fabrication via electrospinning; microfiber patterning via near-field electrospinning.

## EXPERIENCE

- Teaching Assistant in laboratory settings, facilitating practical sessions, assisting instructors, and guiding students through experiments.

## PUBLICATIONS

- Mohan, A., Singhal, R., & Ramanan, S. R. (2023). A study on the effect of the collector properties on the fabrication of magnetic polystyrene nanocomposite fibers using the electrospinning technique. *Journal of Applied Polymer Science*, 140(6). <https://doi.org/10.1002/app.53461>
- Hydrophobic or Hydrophilic Micro Helices: Crafting Surfaces with Electrospun Magnetic Polystyrene Fiber and an Innovative Top-Down Technique (under revision).
- Exploring the Influence of Surfactant Collector Bath Characteristics on the Morphology of Electrospun Polystyrene Magnetite Composite Fibers (communicated).

## REFERENCES

Available upon request



BITS PILANI K K BIRLA GOA  
CAMPUS



7349416209



p20180427@goa.bits-  
pilani.ac.in



[www.linkedin.com/in/aakan  
ksha-m-0427g](https://www.linkedin.com/in/aakanksha-m-0427g)