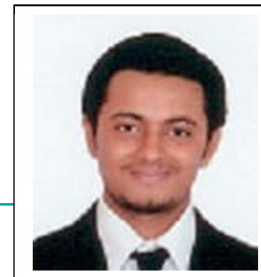


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SIDDHANT VARSHNEY



PROFESSIONAL SUMMARY

- A chemical Engineer, dedicated researcher with a primary focus on science, particularly in the realm of polymers and nanocomposite films.
- Experienced in leveraging cutting-edge technologies to achieve research objectives.
- Proven track record of conducting thorough and innovative scientific investigations.
- Skilled in experimental design, data analysis, and interpretation.
- Proactively seeks opportunities to apply emerging technologies to enhance research outcomes.
- Strong communication skills, with a passion for disseminating research findings.
- Eager to contribute expertise and enthusiasm to impactful scientific projects.

SKILLS

- Pace-setting leadership.
- Project development, lifecycle & deadline management
- Adaptive Project Framework (APF) methodology
- Decision making & Goal development planning
- Microsoft Office Suite expert.

SPORTS

- Interested in Sports & other physical activities. Tennis player. Participated in Mumbai Half Marathon regularly for 6 years.
- I was sports Secretary in ICT and successfully conducted sports activities there including SPORTSAGA which is a National level sports event.

LANGUAGES

- Hindi
- English

EXPERIENCE

August 2022 till Date

Technical and Marketing Consultant at Sunshine Chemtech, handling their graphene segment, manufacturing and selling white graphene as well as functionalized graphene.

October 2018 - July 2022

Project Associate IIT Delhi | New Delhi, India

- Research work in project titled "Coated and Laminated Textile for Aerostat Hull material", funded by DRDO.
- Project titled "Thermoplastic Polyurethane Nanocomposites for High Gas Barrier Applications" sponsored by University of Queensland, Australia – IIT Delhi research academy at IIT Delhi.
- Research task was on the investigation on "Tuning the Graphene Oxide-Based Thermoplastic Polyurethane Nanocomposite Films for Enhanced Helium Gas Barrier Property".
- Proficiency in nanocomposites.

October 2015 - July 2016

Business Development Executive CJS Specialty Chemicals | Mumbai

- Landmark sales and establishment of Solvay in India.
- Maintained up-to-date knowledge of industry, target accounts and competitive landscape.
- Generated business development awareness by implementing in-depth sales and marketing training programmes.

EDUCATION

2016-2018

M.Tech | Polymer Technology
ICT Mumbai (UDCT), Mumbai

- Worked extensively on graphene based nanocontainers, with specialization in synthesis and application into polymer nanotechnology.
- Received the master's degree with an "outstanding" grade.

2015-2016

Diploma in Business Management | Management - NMIMS, Mumbai

2011-2015

B.Tech | Polymer & Surface Coating Technology
ICT Mumbai (UDCT), Mumbai
Specialization in Surface Coating.

PUBLICATIONS

1. **Paper** : Effect of layer-by-layer synthesized graphene-polyaniline-based nanocontainers for corrosion protection of mild steel - Journal of Materials Science 57 17; 8348-8366; Year – 2022
Author/co-authors: Siddhant Varshney; Karan Chug; ST Mhaske.
2. **Book Chapter** : Book chapter V- Laminated Textiles for the envelope of ITA Systems. Book Name - Coated and laminated textiles for Aerostat and Airship Materials Challenge and Technology. Year – 2022; Author/Co-authors: Mangla Joshi; Bapan Adak; Siddhant Varshney; Rishabh Tewari