

# SIDHARTH A K

Polymer Technologist

Passionate engineer with experience in both academia and Industry. Seeking an opportunity to solve challenging problems in the industry and a successful career.



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## EDUCATION

### Master of Technology in Polymer Engineering and Technology

Institute of Chemical Technology (ICT), Mumbai

06/2018 - 12/2020

CGPA - 9.1/10

Courses

- Masters thesis on the topic 'Bio-sourced capping agent for synthesis of narrow ranged tungsten oxide nanoparticles'
- Project 'Characterization of Synthetic organic pigments using Py-GC/MS technique' at Pidilite Industries.

### Bachelor of Technology in Polymer Science and Engineering

Cochin University of Science and Technology (CUSAT), Cochin

06/2014 - 03/2018

CGPA - 7.3/10

Courses

- Thesis on 'Study of the effect of epoxidized natural rubber as a compatibilizer and coupling agent in a silica filled NR/NBR blend'
- Project on 'Derivisation of Hydroxyl Terminated Polybutadiene for developing alternative for isocyanate crosslinking'

## WORK EXPERIENCE

### Scientist - Method Development Lab Pidilite Industries Ltd.

08/2021 - 02/2022

Mumbai

The company focuses on Construction Chemicals, Pigments & Coatings.

Achievements/Tasks

- Decoding competitor products.
- New Method development for analysis of latest inhouse products.
- Focused on Pyrolysis-GC/MS Technique and increasing it's capability.
- Handled Py-GC/MS, EDXRF, DSC, FTIR, DLS, DMA and GPC.

### Research and Development Engineer Apotech Speciality Materials

07/2020 - 07/2021

Kerala

The company focuses on Silicone-based coatings.

Achievements/Tasks

- Product Development and Scaling
- Product Testing & Characterization
- Production Support

## SKILLS

Polymer Synthesis

Polymer Processing

Material Characterization

Data management

Plastics

DSC

GC/MS

EDXRF

FTIR

Packaging

Coatings

Team Player

MS Office

Production

QC

## CERTIFICATES

Digital Marketing - GOOGLE (04/2020 - Present)

Fundamentals of Digital Marketing - GOOGLE

IELTS (07/2021 - 07/2023)

Reading - 8.5, Writing -6.5, Listening- 8.5, Speaking -7

## ACHIEVEMENTS

National Rank of 330 in Graduate Aptitude Test in Engineering (GATE 2018)

## LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

Malayalam

Full Professional Proficiency

## INTERESTS

Sustainable Materials

Packaging

Polymer Testing

Functional Materials

Masterbatches

Coatings

Composites