

# Sujith Nadarajan



Location: Idukki, Kerala | Contact Number: +919544763708 | Email id: sujithnadarajan501@gmail.com

## Objective

To build up a carrier in a well-established organization which will give me an opportunity to learn and enhance my knowledge in polymer science and chemistry, also, at the same time facilitate the company with my potential skills and creativity in research, processing and product manufacturing.

## Education

COURSE	NAME OF INSTITUTE	UNIVERSITY/ BOARD	YEAR GRADUATED	%/CCPA/GPA
Master in Polymer Science	CIPET-IPT, Kochi	CUSAT	18 <sup>th</sup> July to 2018 up to present	1 <sup>st</sup> sem-8.71(GPA) 2 <sup>nd</sup> sem-9.21(GPA) 3 <sup>rd</sup> sem-9.21(GPA) 4 <sup>th</sup> sem-Result awaiting
Bachelor of Science in Chemistry	Government College, Kattappana	MG University, Kottayam	May 2018	9.44(CCPA)
Plus two (computer science)	St.Jeromes HSS, Kattappana	Board of Higher Secondary Examination	March 2015	95.41(%)
SSLC	Ossanam EMHSS, Kattappana	Kerala State Board	March 2013	94(%)

## Internship and Projects

### ❖ Summer Internship : (IASc-INSA-NASI Summer Research Fellowship 2019)

Worked as a research fellow for two months at (CSIR-NIIST), Thiruvananthapuram.

Title: Incorporation of functionalized donor-acceptor and its co-assembly within the block copolymer domain.

### ❖ Academic Projects :

#### 1. MSc Project at IISc, Bangalore( ongoing project )

Title: Biodegradable polymer composite containing ceria nanoparticles for tissue engineering.

#### 2. Bsc Project at Government College, Kattappana

Title: Developing and evaluating the method for the isolation and purification of vitamin E from wheat powder

## Additional Education & Certifications

- ❖ Short term training course in 'Rubber products manufacture & testing' from Rubber Training Institute, Kottayam.
- ❖ Completed a part time diploma program in learning the software 'CAD CREO-PARAMETRIC' for mold and machine designing.
- ❖ Successful completion of various non-credit online certification courses (coursera):
  1. 'Nanotechnology: A maker's course' authorized by Duke University, NC State University, The University of North Carolina at Chapel Hill.
  2. 'Nanotechnology and Nanosensors' sponsored by Technion Israel Institute of Technology.
  3. 'Plastic electronics' organized by Ecole Polytechnique .

## Achievements/Conferences/Workshops

- ❖ Qualified GATE 2020 (valid from 13/03/20 up to the next 3 years).
- ❖ University first rank holder of the first and second semesters in MSc Polymer Science, CUSAT.
- ❖ Short listed in last grade servants (category no.071/2017) trade exam conducted by Kerala PSC.
- ❖ Awarded second prize for the poster presentation conducted in association with ozone day celebrations 2018 at CIPET-IPT, Kochi.
- ❖ Poster presentation on the topic 'Alginate hydrogels' as part of National seminar BPGC at CIPET-IPT, Kochi.
- ❖ Seminar presentations on the topic ' Photosynthesis' and 'Carbon cycle' in the Chemfest exhibition conducted on 2016 and 2017 respectively at Gov. College, Kattappana.

## Technical Skills

- ❖ Analytical / Testing Instruments:
  - ◆ Capable of testing plastic products using UTM, Impactometer, Brookfield viscometer, Carbon black content tester and Durometer hardness test (shore A&D).
  - ◆ Capable to perform thermal characterization of polymers by using Differential Scanning Calorimeter (DSC), Thermo gravimetric Analysis (TGA), Melt Flow Indexer (MFI) and by HDT-VSP methods.
  - ◆ Capable of identifying polymers using simple methods such as chemical analysis, density, and by instruments like Melting point Analyzer, Moisture Analyzer (Mettler Toledo HE53).
- ❖ Processing Equipment:

Academically familiar and have hands on the following plastic processing machineries: ◆ Injection moulding machine (Microprocessor controlled automatic, semi-automatic& hand injection) ◆ Twin Screw Compounding Extruder ◆ Mono layer Blown Film Extruder ◆ Compression moulding ◆ Automatic Blow moulding ◆ Thermoforming machines ◆ Two roll mixing mill.

## Personal information

Date of birth: 05-07-1997

Nationality: Indian

Marital status: single

Linguistic abilities: English, Hindi and Malayalam

## References

**Dr. Kaushik Chatterjee**

**Associate Professor**

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Department of Materials Engineering

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**Dr. Neetha John**

**Associate Professor**

CIPET: Institute of Plastic Technology (IPT)

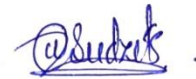
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## Declaration

I hereby declare that all the above information is true and correct to the best of my knowledge and belief.



Sujith Nadarajan