

Mohammad Ansar Vakkattil

PROFESSIONAL EXPERIENCES	+919847407485
• 2023 May - 2024 May	ansarmohammad5@gmail.com/
Researcher	
Institute for Ecopreneurship School of Life Sciences University ofApplied Sciences and Arts Northwestern	https://www.linkedin.com/in/mohammad-ansar-05/
Switzerland 3D Bioprinting for Bioremediation application	s. 🧕 Birsfelderstrasse 3, Muttenz, Switzerland 4132
<i>Highlights</i> : Bioremediation Bioprinting Polymer synthesis Photo polymers RegenHU 3D Discovery.	Nationality: Indian Work Authorisation:
2021 Oct - 2022 May	Swiss permit B holder (eligible to work in Switzerland)
Additive Manufacturing Specialist Intelligent Materials System Laboratory Tartu Institute of Technology University of Tartu, Estonia 3D Printing of	OTHER EXPERTISE
Artificial Muscles	 2017 June - 2018 March Master Thesis
Highlights: Intelligent Materials 3D Printing of Smart	Synthesis and Characterization of Castor oil Extended
Textiles Freeform Reversible Embedding Cellulose	Epoxidised Natural Rubber Indian Rubber Manufacturers
Conducting polymer Smart textiles 3DPrinting Prusa Anisoprint Solid works Ionic liquid Actuators	Association(IRMRA), Mumbai & Indian Institute of Technol-
Grant writing and project preparation-EU Project.	ogy, Kharagpur, India.
	Highlights: Epoxidised Natural Rubber Natural Rubber
2018 Nov - 2021 July	Rubber Modification Rubber Compounding FTIR DSC
Senior Project Engineer Division of Polymeric Medical Devices Biomedical Techno	TGA NMR UTM DMA RPA Mooney Viscometer DIN - Origin.
ogy Wing, Sree Chithra Tirunal Institute for Medical Science	
and Technology Parylene Coating for Implantable Medical	2015 Dec - 2016 March
Devices (Chemical Vapour Deposition Polymerisation of Parylene) 3D Printing for cranioplasty.	Bachelor Thesis
	Effects of Various Grades of SBR on Properties of Tire Tread Compounds Hari Shankar Singhania Elastomer and
Highlights: Medical Devices Biopolymer Biomaterial	Tire Research Institute, Rajasthan, India.
Olivetti FDM FFM SLA 3D Bioprinting Cytotoxicity	
Heamocompatibility Cranioplasty Extruder Brabender Electrospinning Ceramic nanoparticles	<i>Highlights:</i> Rubber Formulation Rubber Compounding SSBR Liquid Moulding Rheology RPA DMA UTM.
EDUCATION	2014 Dec. 2015 Jan
2018 -June	2014 Dec - 2015 Jan Training in Rubber Technology
Master of Technology (M Tech)	Department of Training, Rubber Training Institute, Indian
Rubber Technology	Rubber Board, India.
Rubber Technology Centre,	TI' II' I I - Debree Dreese is a l'Osma cua dia a l'Testina
Indian Institute of Technology Kharagpur, India CGPA - 8.02/10	<i>Highlights:</i> Polymer Processing Compounding Testing.
	2014 Apr
• 2016 -June	Bachelor's Mini Project
Bachelor of Technology (BTech)	Effects of Cure Time on Mechanical Properties of Latex

Bachelor of Technology (BTech) Polymer Science & Engineering Cochin University of Science and Technology (CUSAT), Kochi, India. CGPA - 7.23/10

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Film | Department of Polymer Science and Rubber

Technol-ogy, CUSAT, Kochi, India.

Highlights: Latex Compounding | UTM.

RESEARCH OUTPUT

• 2022

Murali, Athira, Mohammad Ansar Vakkatil, and Ramesh Parameswaran. "Investigating the Effects of Processing Parameters on Mechanical Behaviour of 3D Fused Deposition Modelling Printed Polylactic Acid." Journal of Material Engineering and Perfomance (2022): 1-14.

Highlights: FDM | 3D Printing | Cura Slicer | UTM.

2021 May

Poster Presentation | Parylene Coating for Biomedical Applications.

Advances in Polymer Technology | Department of Polymer Science and Rubber Technology, CUSAT

Highlights: Medical Devices | Biomaterials | CVD | Nanocoating

• 2018 Jan ,18 (Rubber Day)

Poster Presentation | Synthesis and Characterization of Castor Oil Extended Epoxidised Natural Rubber

Indian Rubber Manufacturers Research Association (IRMRA), Mumbai, India.

RESEARCH SUPERVISION

2017 Dec - 2018 Mar

Two Bachelor's Research Supervision | Four Supervisees

1. Study of Effect of Epoxidised Natural Rubber as Combatibilizer and Coupling Agent in Silica Filled NR/NBR Blend, Supervisees Chandhini VC & Siddharth AK.

2. Synthesis and Characterization of Rice Husk Silica Filled Epoxidised Natural Rubber, Supervisees-Muhzin M & Aiswarya Ramachandran.

Principle Supervisor Suchismita Sahoo, asssistant Director IRMRA, India.

TEACHING MERITS

2017 Dec - 2021 Jan Freelance Teacher of GATE Polymer Science

2018 Sep - 2021 Jan **Teaching Material Development**

Study Material for GATE Polymer Science Available at : Google Books:-19_XE_Polymer_Science.html?hl=de&id=XZ-5zAEACAAJ&redir_esc=y

Amazon:-

e/B07L5BKZS7/ref=aufs_dp_mata_dskcience.html?hl=de&id=XZ-5zAEACAAJ&redir_esc=y

AWARDS & HONORS

2016 Jul - 2018 May **Gate Scholarship Masters Scholarship**

2017

Brand D Management Competition Runner UP Spring fest IIT Kharagpur

2018

GATE All India Rank 32 Polymer Science and Material Science

OTHER MERITS

Internships

2017	- Gold Seal (Rubber Door Seal and Weather
2017	Strips Manufacturer), Gujarat, India.
— • 2017	- Oriental Rubbers (Conveyer Belt Manufactur

- er), Pune, India
- 2016 CEAT Tyre, Mumbai
- 2015 JK Tyre, Rajasthan
 - 2015 VKC Polymers (Footwear Manu facturer), Calicut, India. 2014 - Shakthiman PVC Pipes

 - 2014 Lyka Plastics
 - 2014 · Vaira Rubbers

RFFFRFNCFS

- 1. Prof. Dr. Philippe Corvini | Research Supervisor | School of Life Sciences | University of Applied Sciences and Arts Northwestern Switzerland | philippe.corvini@fhnw.ch
- 2. Dr. Boris Kolvenbach | Research Supervisor | School of Life Sciences | University of Applied Sciences and Arts Northwestern Switzerland | boris.kolvenbach@fhnw.ch
- 3. Alvo Aabloo | Research Supervisor | Tartu Institute of Technology | University of Tartu Estonia | alvo.aabloo@ut.ee