

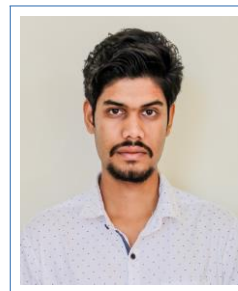
Jugal Charan Sarmah

CORRESPONDANCE ADDRESS

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PERMANENT ADDRESS

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DOB: 14-JUNE-1992



Work Experience

August 2019– **Jr. Executive in Research and Development.**

Present Montex Glass Fibre Industries Pvt. Ltd., MIDC Ambad, Nashik, Maharashtra

Currently working on development of coating for glass fabric (woven /non-woven) using water based polymeric emulsion in different types of coating method; such as, dip and squeeze, gravure coating, knife coating, clearance coating etc. Application of water base adhesive, PSA and Dry bonding. Analysis of sample as per standards, as well as taking trials in plant scale. And involve in technical issues and discussion with customers and vendors for both domestic and export. Documentation as per ISO standard.

Education

2017–2019 **M.Tech in Polymer Science and Technology.**

Tezpur University, Tezpur, Assam, India
7.75

2015–2017 **M.Sc in Nanoscience and Technology.**

Tezpur University, Tezpur, Assam, India
7.41

2011–2014 **B.Sc in Chemistry.**

Gauhati University, Assam, India
61.6%

2009–2011 **H.S., AHSEC.**

Gauhati University, Assam, India
66.8%

–2009 **HSLC, SEBA.**

Gauhati University, Assam, India
69.5%

Research Experience

July'16 – **Synthesis and Characterization of Silver-Sulphur Oxido-Vanadium Nano Cluster and its**
December'16 **Catalytic application in Dye degradation, TEZPUR UNIVERSITY, Tezpur, Assam.**

January'17 – **Design of Ag, Ag/AgCl loaded Vanadium Oxide Nanocomposite for Visible Light Pho-**
July'17 **tocatalysis, TEZPUR UNIVERSITY, Tezpur, Assam.**

July'18 – **Preparation, characterisation and properties of guar gum-acrylic acid based superab-**
July'19 **sorbent, TEZPUR UNIVERSITY, Tezpur, Assam.**

Publications

Title: Sarmah, J. C., Sinha, S., Sarmah, N., Purkayastha, S. K., Sarkar, P., and Bhattacharyya, P. K. (2014). DFRT studies of amide-coupled benzoic nitrogen mustard derivatives. JOURNAL OF THE INDIAN CHEMICAL SOCIETY, 91(12), 2211-2216..

Title: Das, B., Sharma, M., Sarmah, J. C., and Bania, K. K. (2017). Rapid reduction of dye pollutants and hexavalent chromium by silver-sulphur oxido-vanadium cluster. Journal of environmental chemical engineering, 5(5), 4212-4219..

Title: **Sharma, M., Das, B., Sarmah, J. C., Hazarika, A., Deka, B. K., Park, Y. B., and Bania, K. K. (2017). Fractal to monolayer growth of AgCl and Ag/AgCl nanoparticles on vanadium oxides (VO_x) for visible-light photocatalysis. Journal of Materials Chemistry A, 5(32), 16953-16963. .**

Achievements

- 1 **Qualified GATE in 2019 in XE with AIR 301**

Conference and Workshop

- 1 **Course on Biosensor Principles and Technologies, 22 June- 02 July, 2016. (Tezpur University)**
- 2 **National Rubber Conference (2017), International Conference and Exhibition in Polymers**
- 3 **Course on functional and technical textiles - Design, structure, testing and applications, (7-9)December 2019, IIT Delhi**

Skills & Abilities

Programming Languages **C, C++, Origin, Gaussian, MS Office**

Tools **XRD, UV-spectrophotometer, Cyclic Voltametry, IR, DSC, TGA**