

CURRICULUM VITAE



RABIN MAJHI

Personal details:

C/O : Anath Majhi
Date of Birth : 05.01.1995
Gender : Male
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Languages : Bengali, Hindi, and English,
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Career Objective:

- ❖ To build up a career in the field where my competency can be developed.
- ❖ To choose a career that involves challenges and opportunities for self-development.
- ❖ To be hard working.
- ❖ Willing to utilize conceptual and analytical skills to pursue a long-term career in any organization.

Educational Qualification:

Master of Science (M.Sc.):

Institute: Indian Institute of Technology Madras, Chennai, Tamil Nadu 600036, India

Subject: Physics

Year: July, 2015 to July, 2017

Project title: Platinum-Nickel (1:1) Alloy Nanoparticles Dispersed on Reduced Graphene Oxide as a Cathode Electrocatalyst for Proton Exchange Membrane Fuel Cell.

Bachelor of Science (B.Sc.):

Institute: Jagannath Kishore College, Purulia, 723101, West Bengal, India

University: Sidho Kanho Birsha University, Purulia, 723104, West Bengal, India

Subject: Physics (Honours) & Chemistry and Mathematics (Pass)

Year: 2012-2015

Higher Secondary (H.S.)/+2:

Institute: Purulia Zilla School, Upper, Nadiha, 723102, West Bengal, India

Board: West Bengal Council of Higher Secondary Education (WBCHSE), West Bengal 713103

Subject: Bengali, English, Physics, Chemistry and Mathematics (Main), Life Science (Pass)

Year: 2010-2012

Matriculation:

Institute: Eklavya Model Residential School, Susunia, Boro, West Bengal 723131 India

Board: West Bengal Board of Secondary Education (WBBSE)

Subject: Bengali, English, History Geography, Mathematics, Physical Science and Life Science

Year: 2010

Extra qualification:

1. Qualified Joint Admission test for Masters (IIT JAM 2015), Sub: Physics, Organizing
Institutes: IIT Guwahati
2. Qualified Graduate Aptitude Test in Engineering (GATE 2018), Sub: Physics, Organizing
Institutes: IIT Guwahati
3. Qualified UGC JRF-NET (UGC-NET June 2018), Sub: Physics

Computer Skill:

- ❖ Mathematical tools : MATLAB, COMSOL Multiphysics
- ❖ Publishing tools : Microsoft Office.
- ❖ Operating systems : Linux, Windows.

Strength:

- ❖ Positive Attitude
- ❖ Hardworking.

Interest and Hobbies

- ❖ Reading.
- ❖ Playing Cricket.
- ❖ Traveling.

Research Publications in peer-reviewed international journals:

At present, I am doing a part-time Ph.D. program at IIT Bhubaneswar, supervised by Dr. Shyamal Chatterjee. My research focuses on studying the effects of ion beams on one-dimensional nanostructured materials. My research focuses on employing ion beams to modify the surface of nanomaterials. The process of nano-welding and nano-joining involves the fusion of comparable and dissimilar metal-based nanostructured materials to create a variety of nanodevices.

1. "Low energy ion beam-induced joining of TiO₂ nanoparticles." **Rabin Majhi**, Manoj K. Rajbhar, Pritam Das, Robert G. Elliman, Shyamal Chatterjee* (*Journal of Alloys and Compounds*, 2022, volume 924, Pages 166440) (Impact factor: 6.37)
2. "Role of ion-beam current and fluence for nano-scale joining of copper nanowires: Experimental and theoretical study." **Rabin Majhi**, Biswarup Satpati, Wolfhard Möller, Anirban Bhattacharya, Shyamal Chatterjee* (*Materials Today Communications*, 2024, volume 40, Pages 109662) (Impact factor: 3.7)