

SABYASACHI MUKHERJEE



Indirapally, Santiniketan, Bolpur
Birbhum, West Bengal 731235.
+91 8159999717/ 6290694453
sabyasachi007mukherje@gmail.com
DOB : 3rd December 1992

OBJECTIVES

To work in a challenging environment that provides opportunity to learn key technology areas, and to be an asset for the organization by delivering to the best of my capabilities.

EDUCATION

North Eastern Regional Institute of Science & Technology, Arunachal Pradesh

Ph.D. (Pursuing, Thesis Submitted)

Research Area: Composite Materials/ Manufacturing

Easwari Engineering College, Anna University, Chennai

M.E. (ENGINEERING DESIGN)

Year of Passing : 2016

CGPA : 7.41

VelTech Dr. RR & Dr. SR Technical University, Chennai

B.Tech(MECHANICAL)

Year of Passing : 2014

CGPA : 8.08

Uttar Siksha Sadana, Visva Bharati University, West Bengal

Year of Passing (Pre-Degree Examination) : 2010

% of marks : 70

Siksha Satra, Visva Bharati University, West Bengal

Year of Passing (School Certificate Examination) : 2008

% of marks : 78.5

JOURNAL PAPER PUBLISHED

S. Mukherjee, R. K. Nath, P. Maji, S. Samanta, M. Muralidhar “DEVELOPMENT OF ORGANIC NANO-PARTICULATE REINFORCED ALUMINIUM 6061 COMPOSITE THROUGH LIQUID AND SOLID STATE PROCESS”, *Sādhanā* 50, 194 (2025). <https://doi.org/10.1007/s12046-025-02852-5> (**SCIE**)

Sabyasachi Mukherjee, Rahul Kanti Nath, Puspendu Chandra Chandra, Sutanu Samanta, Manapuram Muralidhar “FABRICATION OF ALOE VERA NANOPOWDER BY HIGH ENERGY BALL MILL PROCESS”, *Materials Today: Proceedings*, Volume 80, Part 2, 2023, Pages 1579-1584. <https://doi.org/10.1016/j.matpr.2023.01.393> (**SCOPUS**)

Dipankar Biswas, Souvik Brahma Hota, Rittwick Mondal, **Sabyasachi Mukherjee**, Puspendu Chandra Chandra, Anindya Sundar Das, Soumyajyoti Kabi, Debasish Roy “EFFECT OF HEAVY METAL AND ALKALINE EARTH OXIDES ON THE OPTICAL AND ELECTRICAL MECHANISM OF VANADIUM-PHOSPHATE AMORPHOUS GLASSY SYSTEMS”, *Journal of Non-Crystalline Solids*, 620 (2023) 122593. <https://doi.org/10.1016/j.jnoncrysol.2023.122593> (**SCI**)

Sabyasachi Mukherjee & Puspendu Chandra Chandra “DESIGN OPTIMIZATION FOR SANDWICH COMPOSITE PLATE”, *International Journal of Advanced Trends in Engineering and Technology*, Volume 2, Issue 2, Page Number 85-90, 2017 (**UGC Carelisted**)

Sabyasachi Mukherjee “A THEORETICAL STUDY AND 3D MODELING OF NONLINEAR PASSIVE VIBRATION ISOLATOR”, *International Journal of Applied and Advanced Scientific Research*, Volume 2, Issue 2, pp. 159-168, 2017 (**UGC Carelisted**)

Sabyasachi Mukherjee, Puspendu Chandra “DESIGN AND ANALYSIS OF POWER TRAIN SYSTEM OF HEAVY TRUCK ENGINE”, *International Journal of Engineering Sciences & Research Technology*, 6(9), pp. 451-464, September 2017 (**UGC Carelisted**)

Puspendu Chandra Chandra, Vikash Kumar, **Sabyasachi Mukherjee** “INVESTIGATION OF SURFACE ROUGHNESS IN HIGH SPEED TURNING OF EN 31 STEEL”, *International Journal of Current Research and Modern Education*, Volume 2, Issue 2, pp. 138-152, 2017 (**UGC Carelisted**)

Vikash Kumar, Puspendu Chandra Chandra, **Sabyasachi Mukherjee** “INVESTIGATION OF TOOL WEARS IN HIGH SPEED TURNING OF EN 31 STEEL”, *International Journal of Advanced Trends in Engineering and Technology*, Volume 2, Issue 2, pp. 104-117, 2017 (**UGC Carelisted**)

Aninda Das, Puspendu Chandra Chandra, **Sabyasachi Mukherjee** “ELECTROCHEMICAL DISCHARGE MACHINING FOR MICRO-CHANNEL CUTTING ON ELECTRICALLY NON-CONDUCTING MATERIAL”, *International Journal of Advanced Trends in Engineering and Technology*, Volume 2, Issue 2, pp. 141-152, 2017 (**UGC Carelisted**)

Sabyasachi Mukherjee, P. Sivaniranjana "DESIGN OF A TEMPERATURE CONTROL SYSTEM USING MATLAB FOR MILK PROCESS PLANT", International Journal of Multidisciplinary Research and Modern Education, Volume II, Issue I, pp. 399-412, 2016 (**UGC Care listed**)

RESEARCH PAPER PRESENTED

Puspendu Chandra Chandra, **Sabyasachi Mukherjee**, Arpan Kumar Mondal, Yadaiah Nirsanametla "Effect of Tool Incline Angle on Microstructural and Fracture Characteristics of Friction Stir Welded Pure Copper Butt Joints", ICMSME 2023: International Conference on Material Science and Mechanical Engineering, RERF, 19th-20th January, 2023

Sabyasachi Mukherjee, Rahul Kanti Nath, Puspendu Chandra Chandra, Sutanu Samanta, Manapuram Muralidhar "FABRICATION OF ALOE VERA NANOPOWDER BY HIGH ENERGY BALL MILL PROCESS", Second Global Conference on Recent Advances in Sustainable Materials (GC-RASM 2022) on 28-29th July, 2022 at AJIET, Mangalore

Sabyasachi Mukherjee, Sutanu Samanta, Manapuram Muralidhar "A REVIEW ON PROCESS PARAMETERS OF MMC's FABRICATED BY STIR CASTING & FSP", International Conference on Experimental and Computational Methods in Manufacturing, NERIST, 28-29th September 2021

Puspendu Chandra Chandra, Bikash Chandra Bhunia, **Sabyasachi Mukherjee**, Prasanta Kumar Bardhan "PARAMETRIC OPTIMIZATION OF RESISTANCE SPOT WELDING PROCESS FOR MAXIMUM TENSILE STRENGTH ON A5052 ALLOY", ICNNEE2019: International Conference on Nanotechnology & Nanomaterials for Energy And Environment, JISCE, Kalyani

Sabyasachi Mukherjee, Mridul Paul, Gowthaman Swaminathan, P. Mathiyalagan "DESIGN OPTIMIZATION FOR SANDWICH COMPOSITE PLATE", NCDMC 2014: National Conference on Design, Materials & Constructions, VIT University, Chennai

EDITED BOOK & BOOK CHAPTER PUBLISHED

Dr. Pabitra Maji (Editor), Dr. Rahul Kanti Nath (Editor), **Mr. Sabyasachi Mukherjee (Editor)** "Trends in Materials Science & Mechanical Engineering: Proceedings of ICMSME 2023", OrangeBooks Publication, ISBN: 978-93-6554-959-1, Pages: 218, Edition: 1, March 2025
DOI: <https://doi.org/10.5281/zenodo.15104824>

Puspendu Chandra Chandra, **Sabyasachi Mukherjee**, Arpan Kumar Mondal, Yadaiah Nirsanametla "Effect of Tool Incline Angle on Microstructural and Fracture Characteristics of Friction Stir Welded Pure Copper Butt Joints", Trends in Materials Science & Mechanical Engineering: Proceedings of ICMSME 2023, OrangeBooks Publication, ISBN: 978-93-6554-959-1, PP 108-115, March 2025

PATENTS

1. German Utility Model No: 20 2022 106 386, Title: Glass Composition ($\text{Ag}_2\text{O}-\text{MoO}_3-\text{P}_2\text{O}_5$) to determine the effects of Silver Sulfide (Ag_2S) on electrical conductivity and dielectric relaxation, Date of Registration: 21/11/2022 & 29/12/2022, IPC: C03C 3/16, Owner(s)/Inventor(s): Dr. Dipankar Biswas, Puspendu Chandra Chandra, Aninda Das, Debtanu Patra, Bidyut Kumar Ghosh, Pabitra Maji, Arpan Mandal, **Sabyasachi Mukherjee**, Dr. Rahul Kanti Nath, Ashesh Rakshit

2. Indian Design Application No: 367798-001, CBR No. 203867, Date: 16/07/2022, Article/Design Name: ROAD SAFETY INDICATOR DEVICE, Journal No. 50/2022
Owner(s)/Inventor(s): Pooja Jain, Dr. Saikat Gochhait, Prof. Swati Gandhi, **Sabyasachi Mukherjee**, Dr. Shilpa Mehta, Sandeep kandwal

3. German Utility Model No: 20 2024 105 968, Title: System for the synthesis of $\text{SbxSe}_{50-x}\text{Sn}_{20}\text{Te}_{30}$ glass preparations and analysis of the influence of Sb doping on the glass, Date of Registration: 17/10/2024 & 06/11/2024, IPC: G01N 33/38, Owner(s)/Inventor(s): Dr. Dipankar Biswas, Puspendu Chandra Chandra, Aninda Das, Debtanu Patra, Arpan Mandal, **Sabyasachi Mukherjee**, Pramod Kumar, Dr. Banarsi Pandey, Chakit Samanta & Dr. Surajkumar Loitongbam Singh

4. “Microalgae-Based Multi-Source Renewable Energy Harvesting Carbon Capturable Artificial Tree”, Patent Application No. 202531001424, filed on 07.01.2025, Utility Patent, India. (Not Published)

ACHIEVEMENTS

- Active Member of Institution’s Innovation Council (IIC) of RERFGI, Kolkata.
- Undergone Innovation Ambassador (IA) training ‘Foundation Level’ & ‘Advanced Level’ by MoE’s innovation Cell & AICTE during IIC year 2021-22 & 2024-2025.
- Attended various Teachers’ Training Programme at NITTTR, Kolkata.
- Attended various conferences, technical seminars, webinars and workshops.
- Attended various FDP and online courses.
- Organized Webinars & International Conference as coordinator.

PROFESSIONAL MEMBERSHIP

- Associate Member of ‘The Institution of Engineers (India)’ in MECHANICAL ENGINEERING Division (Membership No: AM3127993), Since 28th May, 2024.

WORK EXPERIENCE

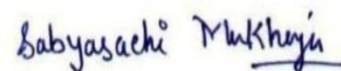
1. Name of the Institution: Santiniketan Institute of Polytechnic (Bolpur, Birbhum, WB)
Designation : Lecturer
Duration : August,2016 to July,2017
2. Name of the Institution : Regent Education & Research Foundation (Barrackpore,WB)
Designation : Assistant Professor
Duration : July,2017 to present

PERSONAL PROFILE

Name : Sabyasachi Mukherjee
Father's Name : Sunirmal Mukherjee
Nationality : Indian.
Date Of Birth : 3rd December 1992.
Languages Known : Bengali, Hindi and English
Marital Status : Married

DECLARATION

I hereby declare that the information furnished above is true to the best of my knowledge.



SABYASACHI MUKHERJEE