

Dr. SUDESHNA PARIDA

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CAREER OBJECTIVE

Want a challenging position, which utilizes the acquired knowledge and experience to maximum extent in the Metallurgical Engineering Field to establish a global career while contributing my best to the organization.

SELF ASSESMENT

- Result oriented
- Co-operative
- Positive Attitude
- Energetic & Hard working.

PROFESSIONAL BODY MEMBERSHIP

Member of Indian Institute of Metal, Kolkata.

PUBLICATIONS

1. **S. Parida**, S. Das, and A. Mallik, Application of Electrochemical Impedance Spectroscopy (EIS) to Study the Effect of Temperature and Ion Concentration During Electroplating of Copper from an Acidic Bath, *Transactions of the Indian Institute of Metals*, (2024), 77(5), 1433-1442.
2. **S. Parida** and A. Mallik, An experimental investigation by electrochemical impedance spectroscopy for the study of mechanism of copper electrodeposition from an acidic bath, *International Journal of Materials Research*, (2024), 115(11-12), 1056-1070.
3. **S. Parida**, S. Das, and A. Mallik, An experimental study of copper electroplating by electrochemical impedance spectroscopy (EIS) at room temperature, *Materials Today: Proceedings* (2022), 66, 544-547.
4. **S. Parida**, R. R Mendon, S. Soven, S. Das, and A. Mallik, Copper Electrodeposition from a Non-cyanide Glycinate Alkaline Bath under Varying

Potential, Bath Concentration, and Temperature: An Impedance Analysis, *Journal of Materials Engineering and Performance*

5. P. Singh, S. Mohanty, **S. Parida**, S. Das, and A. Mallik, An electrochemical impedance study to analyse the phase transformation pattern and stability during electro-crystallization of CIGS photo-voltaic thin films, *Solar Energy*, (2024) 268, 112307.

AREA OF INTREST

Electroplating, Electrometallurgy, Corrosion, Extractive metallurgy, Physical metallurgy.

EQUIPMENT EXPERIENCE

Potentiostat
Optical Microscope
Scanning Probe Microscope (AFM)
Stylus surface profiler

WORK EXPERIENCE

1. Worked as Project assistant in Institute of Minerals and Materials Technology (IMMT), Bhubaneswar, Odisha from April 2010 to March 2012.
2. Worked as Lecturer in Government College of Engineering (GCE), Keonjhar, Odisha from January 2018 to May 2018.
3. Worked as Guest faculty in Government College of Engineering (GCE), Keonjhar, Odisha from 17th October 2023 to 28th March 2024.
4. Worked as Assistant Professor (Contractual) in Government College of Engineering (GCE), Keonjhar, Odisha from 6th January 2025 to 31st May 2025.

WORKSHOP/ SHORT TERM COURSE / FDP PARTICIPATED

1. Advances in Materials (AIM), 2019
2. International conference on industrial impacts on environment and sustainable development, 2018
3. Deformation behaviour and fracture engineering materials: Experimental and simulations, 2019
4. Transport phenomena in industrial processes.
2020 Global steel industry sustainability (GSIS)
2020
5. Sintering process and Technology under Indian conditions at NIT Durgapur,
2020 Advances in Materials in processing and characterization, 2020
6. Recent Advances in Process metallurgy, 2020
7. Iron and Steel Technology: Recent Advancements, Innovations and Future Prospects, 2024
Advances in Materials Processing Technology, 2025

NATIONAL/INTERNATIONAL CONFERENCES PARTICIPATED

1. International conference on corrosion and coating (i3C), 2022
2. International conference on processing and characterization of materials (ICPCM), 2019
Conference on processing and characterization of materials (CPCM), 2020
3. International conference on Advances in material processing (ICAMP), 2022

4. Research scholar week at NIT Rourkela, 2023
5. NMD, Indian Institute of Metals, 2019
6. Diamond jubilee celebration at NIT Rourkela, 2022
7. International conference on processing and characterization of materials (ICPCM), 2023

ACADEMIC QUALIFICATION

EXAMINATION	BOARD/UNIVERSITY	COLLEGE/SCHOOL	YEAR	AGGREGATE
HSC	BSE, Odisha	IGIT Campus High School, Sarang	2006	74%
Diploma (Metallurgical Engineering)	SCTE & VT, Odisha	IGIT, Sarang	2009	68 %
B.Tech (Metallurgical Engineering)	BPUT Rourkela	BIIT, Bhubaneswar	2015	68%
M.Tech (Metallurgical and materials Engineering)	BPUT Rourkela	IGIT, Sarang	2017	83%
PhD (Metallurgical and materials Engineering)	NIT Rourkela	NIT Rourkela	2025	88%

PERSONAL PROFILE

Name : Sudeshna Parida
Father's Name : Mr. Santosh Kumar Parida
Mother's Name : Mrs. Satyabati Parida
Date of Birth : 04.07.1991
Permanent Address : At-Sarang, Post- Sarang, Dist- Dhenkanal Odisha-759146
Sex : Female
Blood Group : O+ve
Marital Status : Married
Nationality : Indian
Religion : Hindu
Language Known : English, Hindi, Oriya
Hobbies : Listening to music, Plantation & Social work.

DECLARATION:

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

Date :
 Place : Sarang

Sudeshna Parida