




Gangadhar Meher University, Sambalpur (Faculty Profile)

Name	Dr Debasis Behera			Photograph 
Designation	Assistant Professor			
School	School of Chemistry			
Address (Office)	School of Chemistry, Gangadhar Meher University, Amruta Vihar, Budharaja Sambalpur, Odisha			
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Qualifications				
Degree	Institution	Year	Subject Details	
BA/BSc/BCom	REGIONAL INSTITUTE OF EDUCATION BHUBANESWAR (NCERT)	2009	PCM & EDUCATION	
MA/MSc/MCom	UNIVERSITY OF DELHI	2011	PHYSICAL CHEMISTRY	
MPhil	NA	NA	NA	
PhD	IIT(ISM) DHANBAD	2014	PHYSICAL CHEMISTRY	
Any other				
Areas of Interest/ Specialization				
CORROSION SCIENCE AND ENGINEERING/PHYSICAL CHEMISTRY				
Teaching/Research Experience				
Organization/Institution	Designation	Duration	Role	
MANIPAL UNIVERSITY JAIPUR	ASSISTANT PROFESSOR	5 years 5 months (65 MONTHS)	RESEARCH AND TEACHING	
Awards and Honors (Top Five only)				
International Collaboration/Consultancy (Top Five only)				
Extra-mural Projects (Give Details)				
Completed : 00 Projects in hand : 01 Projects submitted:00				
Ph. D. Guidance				
Guided (00), Guiding (04)				
Publications				
Number of Publications:				
Books/Monographs :	Total (00),	Last Five Years (00),	Last Three Years (00),	Last One Year (00)
Book Chapters :	Total (01),	Last Five Years (01),	Last Three Years (01),	Last One Year (01)
Research papers:	Total (17),	Last Five Years (8),	Last Three Years (07),	Last One Year (04)

Reviews:	Total (01), Last Five Years (01), Last Three Years (01), Last One Year (01)
Book chapters:	Total (01), Last Five Years (01), Last Three Years (01), Last One Year (01)
Best Peer/Review Publications (Up to 5)	
[1] Deepti Jain, Shubhra Pareek, Saikat Chattopadhyay, Debasis Behera , Ni-Doped ZnO-Chitin Composites for Anti-Corrosive Coating on Zn Alloy in Simulated Body Fluid Solution, J Bio Tribo Corros 6, 113 (2020). https://doi.org/10.1007/s40735-020-00411-5	
[2] S. Pareek, D. Jain, S Hussain, A. Biswas, R. Shrivastava, S. K. Parida, H. K Kisan, H. Lgaz, I. Chung, D. Behera , A New Insight into Corrosion Inhibition Mechanism of Copper in Aerated 3.5% (by weight) NaCl Solution by Eco-friendly Imidazopyrimidine Dye: Experimental and Theoretical Approach, Chemical Engineering Journal 358 (2019) 725-742 (ELSEVIER) https://doi.org/10.1016/j.cej.2018.08.079	
[3] Shubhra Pareek, Deepti Jain, Rahul Shrivastava, Siddhartha Dam, Shamima Hussain, Debasis Behera , Tunable degree of oxidation in Graphene Oxide: Cost effective synthesis, characterization and process optimization, Mater. Res. Express 6 (2019) 085625 https://doi.org/10.1088/2053-1591/ab243a	
[4] S. Swami, A. Agarwala, D. Behera , R. Shrivastava. Diaminomaleonitrile based chromo-fluorescent receptor molecule for selective sensing of Mn(II) and Zn(II) ions Sensors and Actuators B 260 (2018) 1012–1017 (ELSEVIER)	
[5] M. Yadav, D. Behera , S. Kumar, R.R. Sinha, “Experimental and Quantum Chemical Studies on the Corrosion Inhibition Performance of Benzimidazole Derivatives for Mild Steel in HCl,” Ind. Eng. Chem. Res. 52 (2013) 6318–6328 (ACS)	
Paper Presentation in Major Conferences (Up to 5)	
[1] D. Behera , Sushil Kumar and M. Yadav, Electrochemical and quantum chemical application for monitoring corrosion and corrosion inhibition of mild steel in hydrochloric acid medium by synthesized Indole derivative, International Conference On Structural and Physical Properties of Solids (SPPS 2013), November 18th – 20th, 2013, Indian School of Mines, Dhanbad, Jharkhand.	
[2] D. Behera , A. Biswas, Understanding the mechanism of mild steel corrosion in HCl Solution by Thiophene derivative: Experimental and Theoretical approach, CORCON 2015 , on 19 th November – 21 st November 2015, Chennai Trade Centre, Chennai, India.	
[3] D. Behera , A. Biswas, Adsorption Characteristics and Inhibitory effect of N-((2-(4-methoxyphenyl)H-imidazo[1,2-a]pyridin-3-yl)methylene)benzenamine on Mild Steel in HCl Solution: Experimental and Theoretical Approach, 17th Asian Pacific Corrosion Control Conference (17 th APCCC), 27-30 January 2016 Victor Menezes Convention Center, IIT Bombay, India.	
[4] D. Behera , Abhishek Biswas, Sushil Kumar, M.Yadav, Diehtyl 3,4-diaminothieno[2,3-b]thiophene-2,5-dicarboxylate as Corrosion Inhibitor for Mild Steel: Electrochemical, UV-Visible and Quantum Chemical Investigation. CORCON 2013 , held on 30 th September – 3 rd October 2013, New Delhi.	
[5] D. Behera , S. Pareek and D. Jain, Potentiodynamic polarization and cyclic voltammetric behavior of copper-imidazopyrimidine dye system in artificial sea water, 19th National Conference on Corrosion Control 5-7 December 2018, Mayfair Convention, Bhubaneswar	
Patents (if any)	
Filed: (00), Accepted: (00)	
Events (Seminar/Symposium/Webinar/Workshop/FDP/Conference etc.) organized in capacity of convener/co-convener	
National: (03), International: (00)	
Memberships of Professional Bodies/Societies (Up to 5)	
1. ISCB (Indian Society of Chemists and Biologists): Life Member, (LF-789/2017)	
2. EFC (European Federation of Corrosion) 2013	
3. ASTM (American Society for Testing And Materials, 2013)	
4. NACE-INTERNATIONAL (National Association of Corrosion Engineers), 2013	
5. ASME (American Society of Mechanical Engineers), 2013	
Other Details (Academic/Research Related)	
REVIEWER OF JOURNALS	
1. Chemical Engineering Communications (Taylor and Francis)	
2. Metallurgical and Materials Transactions-A (Springer)	
3. RSC Advances (Royal Society of Chemistry)	

4. New Journal of Chemistry (**Royal Society of Chemistry**)
5. Rare Metals (**Springer**)
6. Journal of the Taiwan Institute of Chemical Engineers (**Elsevier**)
7. Materials Research Express (**IOP**)
8. Total number of papers reviewed: **24**

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I have served as a guest editor of “**Journal of Chemistry**” for a Special issue titled “Applied Chemistry in Upstream and Downstream Petroleum Operations”, 2016.

<http://www.hindawi.com/journals/jchem/si/985276/cfp/>

Research Matrix [Current]

Database	Total citations	Total publications	Open Access	h-index
WoS	345	21	2	9
Publons	345	21	2	9
Scopus	408	21	2	9
PURE	408	21	2	9
GS	491	23	2	11
RG	354	21	2	9
ICI	NA	NA	NA	NA

Debasis Behara
(Signature)