


CURRICULUM VITAE

Detail	Photo
<p>Name: Mr. Asis Sethi Position: Assistant Professor (OES-I) Address: Department of Chemistry, Bhadrak Auto. College, Bhadrak, Odisha-756100, India Contact: (+91) 6383015437 ORCID link: https://orcid.org/0000-0003-4231-1176 Google Scholar Link: https://shorturl.at/gxTOF Email: asissethi12@gmail.com</p>	

Educational Background:

Sl. No	Degree	University/Institution	Discipline	Duration (yr)
1	Bachelor's degree	Ravenshaw University, Cuttack, Odisha, India	B.Sc. in Chemistry (Hons.)	2013-2016
2	Master's degree	Pondicherry University, Kalapet, Puducherry, India	M.Sc. in Chemical Science	2016-2018
3	Ph.D.	AcSIR/CSIR-Central Electrochemical Research Institute (CECRI), Karaikudi, TamilNadu, India	Chemical Science	2019-continuing

Professional Background:

Sl. No	Position held	Name of the Institute	Joining	held Up to
1	Assistant Professor, (OES-I)	Bhadrak Auto. College, Bhadrak	Feb, 2024	

Awards/ Achievements:

Sl. No	Name	Agency	Year
1	UGC-CSIR NET/JRF	CSIR	2019
2	CSIR-SRF	CSIR	2021
3	IIT-JAM	IIT	2016

Publications:

1. Assessing the impact of an antisolvent-regulated ZnCl₂ water-in-salt electrolyte on solvation structure: a multiscale computational validation for aqueous Zn-ion battery, **Asis Sethi**, Chaithra Rajeev, Anil Kumar U., Parul Sharma, Anurag Prakash Sunda, Vishal M. Dhavale*, *Journal of Materials Chemistry A*, **2024**, 12 (34), 23049-23058.
2. Reverse Dual-Ion Battery Enabled by Reversing the cation/Anion Storage Mechanism in an Aqueous ZnCl₂ Water-in-Salt Electrolyte, **Asis Sethi**, Anil Kumar U., Vishal M. Dhavale*, *ChemPhysChem*, **2023**, 24(14), e202300098. [cover featured; [ChemPhysChem 14/2023](#)]
3. Special tailoring of a copper-pyromellitic acid complex with sulfonated poly (ether ether Ketone) to form a composite membrane for polymer electrolyte fuel cells, Anil Kumar U., Rajendran Sakthivel, **Asis Sethi**, Baskaran Mohan Dass, Santoshkumar D. Bhat*, Vishal M. Dhavale*, *New Journal of Chemistry*, **2023**, 47 (31), 14960-14971.
4. Co-Co₃O₄ nanostructure with nitrogen-doped carbon as bifunctional catalyst for oxygen electrocatalysis, Anil Kumar U., **A Sethi**, Reen Maria Lawrence, Vishal M. Dhavale*, *International Journal of Hydrogen Energy*, **2021**, 46 (70), 34701-34712.

Conferences attended:

SI. No	Detail (Place, Role, Title, Date)
1.	Participated and delivered oral talk on the topic “Exploring Antisolvent-Regulated ZnCl ₂ Water-In-Salt Electrolyte for boosting Reverse Dual Ion Battery” in the National conference , NCE-23 held on January 04-05, 2024, at SRM Institute of Science and Technology, KTR, Chennai.
2.	Participated and presented poster on the topic “Reverse Dual-Ion Battery Enabled by Reversing the Cation/Anion Storage Mechanism in an Aqueous ZnCl ₂ Water-in-Salt Electrolyte” in the International Conference on “Nanomaterials for Electro-Catalysis Technology” conducted by IIT-Delhi, New Delhi, India held on 20 -22nd March 2023.
3.	Participated and represented CSIR labs in energy sector in the India International Science festival-22 (IISF-22) conducted by Government of India held on 21-24th January 2023 at MNIT, Bhopal, Madhya Pradesh, India.
4.	Participated and delivered oral presentation on the topic “Structurally different Prussian blue analogue cathode electrode for reverse dual ion battery application” in the National Conference on “Symposium on Electrochemical Science and Technology” conducted by CSIR-Central Electrochemical Research Institute (CSIR-CECRI), Karaikudi, India and Vellore Institute of Technology (VIT), Chennai, held on 30-31 st January 2020 at VIT, Chennai, India.