

Brief Bio-data

1. Name: Dr. Arti Sahu

2. Date of Birth: 09/10/1988

3. Current Position and Address (Include Email ID and Contact Number) : Scientist, Gasification & Catalysis, artisahu@cimfr.nic.in , 8090171360

4. Educational qualifications: (Graduation and above)

Sl. No.	Degree	Year of Passing	University/Institute	Subject
1.	B.Tech.	2010	Harcourt Butler Technological Institute	Biochemical Engineering
2.	M.Tech.	2012	IIT Kharagpur	Chemical Engineering
3.	Ph.D.	2019	IIT Kanpur	Chemical Engineering

5. Work experience:

Designation	Institute/company	From	To	Nature of Work
Assistant Professor (NPIU Faculty)	Madhav Institute of Technology & Science, Gwalior	Aug 2018	Sep 2020	Teaching & Research
Research Associate	IIT Delhi	March 2021	July 2021	Research

6. Work Area(s)/ Specialization: Chemical Engineering, Electrocatalysis/Cataysis

7. Major contributions: (Max. 100 words):

8. No. of Research Publications:

- Papers in Journals: 2 Published, 2 Submitted
- In conference proceedings: 0
- Invited lectures delivered: 0
- List of best 05 publications

(1) Sahu, A.; Sivakumar, S.; Pala, R. G., Selective Mesitylene Oxidative Coupling Reaction by Metastructured Electrocatalyst Comprised of Carbonaceous Scaffold Coated with Pd Derived from Zeolitic Imidazole Framework. *Catalysis Letters* **2020**, 3(151), 685-697.

DOI: 10.1007/s10562-020-03335-4

(2) Sahu, A.; Mondal, K.; Pala, R. G., Activated Porous Highly Enriched Platinum and Palladium Electrocatalysts from Dealloyed Noncrystalline Alloys for Enhanced Hydrogen Evolution. *ChemElectroChem* **2020**, 7 (21), 4405-4416.

DOI: 10.1002/celec.202001230

- Books/Chapters authored/edited: 01 Accepted

9. List of 5 Major Contract R&D Projects:

10. (a) Name of Patents/Copyrights applied /granted/commercialized:

(b) Technologies/Products /knowhow/Services developed : Designed tunable size selective Electrocatalysts for electrocatalytic conversion

11. Honors/Awards/Recognitions/Fellowships/Scholarships/Professional Memberships received: GATE 2010, Chemical Engineering: Rank- 502

;

12. Societal Contributions : Organized NSS activities in Madhav Institute of Technology & Science Gwalior