Faculty Profile

1. Personal Details:

a. Name of the Faculty: Dr. Tanmay Chattopadhyay
b. Academic Degrees: M. Sc., Ph. D.
c. Department: Chemistry
d. Designation: Assistant Professor
e. Email id: tanmayc2003@gmail.com
f. Courses Taught: Inorganic Chemistry
g. Area of Research Interests: Nano science, Catalyst, Bioinorgaic
h. Teaching Experience [substantive post only]: 13 Years
i. Administrative Experience: Co-ordinator

2. Research Publications [Last 5 Years]:

Serial No.	Title of the Research Paper	Level [international/ national/state]	ISBN/ISSN	Name of the Publishing Agency	Year of Publication
1	Experimental and theoretical investigation of the catalytic performance of reduced Schiff base and Schiff base iron complexes: Transformation to magnetically retrievable catalyst,	International	1099-0739	Appl. Organomet. Chem.	2021
2	Experimentally formulated and theoretically rationalized alumina immobilized copper catalyst for alcohol oxidation	International	1029-0389	Journal of Coordination Chemistry	2020
3	Triton X-100 functionalized Cu(II) dihydrazone based complex immobilized on Fe3O4@dopa: A	International	1099-0739	Appl Organomet Chem.	2020

	highly efficient catalyst for oxidation of alcohols, alkanes, and sulfides and epoxidation of alkenes				
4	Iron Complexes Anchored onto Magnetically Separable Graphene Oxide Sheets: An Excellent Catalyst for the Synthesis of Dihydroquinazoline-Based Compounds	International	1944-8244	ACS Appl. Mater. Interfaces	2020
5	Designing of a magnetically separable Fe3O4@dopa@ML nano-catalyst for multiple organic transformations (epoxidation, reduction, and coupling) in aqueous medium	International	1029-0389	Journal of Coordination Chemistry	2019
6	Pd(0) immobilized on Fe3O4@AHBA: an efficient magnetically separable heterogeneous nanocatalyst for C-C coupling reactions,	International	1029-0389	Journal of Coordination Chemistry	2019
7	Surfactant-Mediated Solubilization of Magnetically Separable Nanocatalysts for the Oxidation of Alcohols	International	2470-1343	ACS Omega	2019
8	Conglomerated system of Ag nanoparticles decorated Al_2O_3 supported cobalt and copper complexes with enhanced catalytic activity for oxidation reactions	International	2468-8231	Molecular Catalysis	2019

3. Research papers presented in conferences/seminars [Last 5 years]:

Serial No	Title of the Paper Presented	Title of the seminar/ conference	Level [international/ national/state]	Name of the organiser	Date
1.	Iron Complexes Anchored onto Magnetically Separable Graphene	RACMS	International	Indian Chemical Society	2020

	Oxide Sheets: An Excellent Catalyst for the Synthesis of Dihydroquinazoline-Based Compounds				
2.	Magnetically Separable Nanocatalyst	Recent Advances in Chemistry	International	Manbhum Mahavidyalaya	2020
3.	Paladium immobilized ferric oxide: An efficient magnetically separable heterogeneous nanocatalyst for C-C coupling reactions	Science and Technology Congress	State	WBDST-BT	2019
4.	Magnetically separable nano-catalyst for multiple organic transformations in aqueous medium	International Symposium on Current Trends in Chemistry	Inernational	Diamond Harbour Women's University	2020
5.	Surfactant-Mediated Solubilization of Magnetically Separable Nanocatalysts	4th Regional Science and Technology Congress	State	DSTBT and Maulana Abul Kalam Azad University	1019

4. Research Projects:

Serial No.	Title of the Research Project(s)	Funding Agency	Date of Award	Duration of the Project	Research Grants Amount	Status of the Project
1	Surface modified Ferrite Nanoparticles: A magnetically recoverable nanocatalyst for various organic transformations.	WB-DST	12-06-2018	3 Years	4.00 lakh	completed

5. E-learning material, if any:

Course Details	Name of the Institution	Date/year of uploading	Quadrant I, II, III,	Link

			IV	

6. Research Supervision (Ph.D./M.Phil.)

Serial No.	Name of the student	Research Topic	Name of the institution	Date of Registration	Year of Award of the Degree
1.	Sourav Chatterjee	Chemistry of Various p and d Block Metal Complexes of Schiff Bases Having Different N, O Donor Sites: Catalytic and Sensor Applications.	NIT, Durgapur	14-08-2017	28-07-2022
2.	Rimpa Mondal	Designing and Developing New Magnetically Separable Nanocatalyst: Application in Different Organic Transformations.	DHWU	10-12-2021	-
3.	Rinku Ghanta	Metal Complexes of N, O-donor Ligands: Modelling of Metallobiosites and Development of Selected Heterogeneous Catalysts	DHWU	10-12-2021	-

7. Programmes ~~Conducted~~ / Organised as Convenor / ~~Organising Secretary~~ at DHWU [Last Five Years]

Serial No.	Date	Name of the Programme	Sponsored By	
1.	10-1-2020	International Symposium on Current Trends in Chemistry	HED	

8. Other Relevant Information, if any:

Serial No.	Achievements / Awards	Assignment Details [Membership of Professional Bodies/Editorial Board/BOS/BORS etc.]
1	Outstanding paper award, WB-DST	BOS, BORS

Date: 14-04-2023