

## FACULTY PROFILE



**NAME:** Mrs. REEMA SAHU

**DESIGNATION:** ASSISTANT PROFESSOR

**DEPARTMENT:** CHEMISTRY

**Institution:** GOVT. DIGVIJAY AUTO. PG COLLEGE,  
RAJNANDGAON

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### OVERVIEW:

Degree	Subject/Title for PhD	Year	From (University)
Graduation	CBZ	2005	Pt. Ravishankar Shukla University, Raipur, CG
Post-Graduation	Chemistry	2007	Pt. Ravishankar Shukla University, Raipur, CG
PGDCA	Chemistry	2011	Pt Ravishankar Shukla university, Raipur
MPhil	chemistry	2012	Dr CV Raman University Kota, Bilaspur
SET	SET	2014	CG vyapam Raipur

### COURSES TAUGHT:

1. Organic chemistry
2. Inorganic chemistry
3. Physical chemistry
4. biochemistry

### ADDITIONAL RESPONSIBILITIES:

- 1 Member, cultural and youth festival committee
- 2 Member of Terminal and half yearly exam conduction committee
- 3 Member of NAAC committee
- 4 Member of ECO Club
- 5 Member of student union committee,
- 6 Member of Admission committee

### **PUBLISHED PAPERS:**

1. Isatin and its derivatives as N heterocyclic class of organic corrosion inhibitor: an overview (under review)

### **BOOKS & BOOK CHAPTERS:**

1. Chapter 21: Nitrogen containing heterocyclic compounds as green corrosion inhibitors, edited book "Computational Modelling and Simulations for Designing of Corrosion Inhibitors" published by ESLEVIER ISBN: 9780323951616 (Published)
2. CHAPTER 28: QSAR and ANN Based Results for Designing of Corrosion Inhibitors edited book "Computational Modelling and Simulations for Designing of Corrosion Inhibitors" ISBN: 9780323951616 (Published)
3. Chapter 14: homogeneous and Heterogeneous catalysis by Organometallic complexes, Reema Sahu edited book "organometallic compounds synthesis, reactions and applications" published by Wiley ISBN: 9783527351787 (published)
4. Heterocyclic Compounds: Fundamental and Corrosion Inhibition Book of Taylor and Francis (Under Review)
5. Carbon Dots (CDs) and Heteroatoms-Doped CDs in Corrosion Prevention De Gruyter (published)
6. Ultrasound irradiation fundamental theory, electromagnetic spectrum important properties and physical properties "Green chemical transformation with micro wave and ultrasound irradiation." (Under Review)

### **FDP/INDUCTION/REFRESHER COURSE ATTENDED:**

1. 4 - Week Induction /orientation programme Teaching from Learning Centre Ramanujan College University of Delhi 19 July -17 August.2021 Under the aegis of Ministry Of Education Pandit Madan Mohan Malviya National Mission on Teachers and Teaching.
2. Refresher course on Natural Sciences Teaching from Learning Centre Ramanujan College, University of Delhi in collaboration with Department of Chemistry Rajdhani College University of Delhi 20 September-04 October 2021 Ministry of Education Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, Delhi.
- 3 Annual Refresher Programme in Teaching (ARPIT-2021) National Test Agency (NTA) DELHI 01 December 2020 to 31 March 2021, Ministry of Human Resource Development (MHRD) DELHI

4 One-week faculty development programme titled Development of skill for Research and Publication from Government Dr Baba Saheb Bhimrao Ambedkar PG College, Dongargaon 22 /09/2021 to 28 /09/ 2021

5 Online 7 days Faculty Development Program from Competence Building committee and computer science Department, Government Digvijay Autonomous PG College Rajnandgaon 04/03/2021 to 10/03/ 2021 at Govt Digvijay autonomous college Rajnandgaon

6) 7 days faculty development program from 10/12/2022 to 12/12/22 at Govt Digvijay autonomous college Rajnandgaon.

7) days Faculty Development Program Capacity building committee and department of computer science government autonomous PG College Rajnandgaon 6 January to 13 January 2022

8) 3 days national online FDP on ICT Tools for effective teaching learning organized by kamlanehrumahavidyalaya, Nagpur

09) one-week online faculty development programme on chemical science from govt Digvijay Auto PG College Rajnandgaon 8 June to 15 June 2022

10) 7 days faculty development programme from govt Digvijay auto pg college Rajnandgaon 6 January to 13 January 2022

11) One-week online faculty development program 8<sup>th</sup> June to 15<sup>th</sup> June 2022 at govt Digvijay Autonomous college Rajnandgaon.

### **Project**

Reema sahu (PI) and Dakeshwerverma (Co-PI), Phytochemical screening and anticorrosion analysis of *Butea monosperma* towards mild steel in corrosive environment. Funded by Autonomous Cell (UGC Sponsored), Govt Digvijay College Rajnandgaon, Amount 0.50 lac. (ongoing)