Mrs. DIVYA DUBEY
(M.Sc., B.Ed., M.Phil.)
Assistant Professor
Inorganic Chemistry
E-mail: divichem@gmail.com
facultychemistry1@mpm.ac.in
Mob. No. 8299116754

ACADEMIC COURSES TAUGHT

Undergraduate

Class	Semester	Course
B.Sc.	I	Simple bonding theories of molecules (Unit-2), Periodic properties of atom (Unit -3)
B.Sc.	II	Introduction to polymer, Silicones and Phosphagens (Unit-6)
B.Sc.	III	Theories of coordination chemistry (Unit -6), Inorganic spectrum scorpion and mechanism (Unit-7)
B.Sc.	IV	Atomic Structure (Unit-1) ,I. Spectroscopy, Error &Evaluation
B.Sc.	V	Unit III Chemistry of Main Group Elements IV Chemistry of Transition Elements V Chemistry of Lanthanides
B.Sc.	VI	III Electrochemistry: IV Colligative Properties-

Postgraduate

Class	Semester	Course
M.Sc. Chemistry	I	Main group elements(CHE-503),
M.Sc. Chemistry	II	, Transition Element (CHE-509), Environmental Chemistry(CHE-542)

Mrs. DIVYA DUBEY
(M.Sc., B.Ed., M.Phil.)
Assistant Professor of
Inorganic Chemistry
E-mail: divichem@gmail.com
facultychemistry1@mpm.ac.in
Mob. No. 8299116754

A challenging career, which utilizes my skills and knowledge to the best of my ability, and I can get chance for continuous learning & exposure that nurture my analytical & professional skills.

PROFESSIONAL SUMMARY

- **7-year experience in Education Field.**
- **Good exposure in Chemistry well versed in Scientific Terminology.**
- **Specialized in Inorganic Chemistry.**

KEY SKILL

- Learning Strategies- Selecting and using training/instructional methods and procedure appropriate for the situation when learning or teaching new things.
- Critical Thinking- Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems
- Active Learning- Understanding the implications of new information for both current and future problem-solving and decision-making.
- Active Listening- Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times. Project Scheduling
- Monitoring- Monitoring/Assessing performance of myself, other individuals, or organizations to make improvements or take corrective action.
- Time Management- Managing one's own time and the time of others.
- Social Perceptiveness- Being aware of others' reactions and understanding why they react as they do.

PROFESSIONAL EXPERIENCE

DDU UNIVERSITY, Gorakhpur.

Designation: **Project Assistant.**
Department: **Chemistry Department.**
Period: **Nov 2012 – Oct 2013.**
Duration: 1 yr.

I.T.M Engineering College, Gorakhpur.

Designation: **Lecturer.**
Subject: **Chemistry.**
Period: **July 2008 – Aug 2009.**
Duration: 1yr.

Maharana Pratap Degree College, Gorakhpur.

Designation: **Lecturer.**
Subject: Inorganic **Chemistry.**
Period: **Sep 2007 – Jul 2008.**
August2022-to till date

QUALIFICATIONS

Bachelor of Education (B.Ed.) **I Div. (2021)**
[Education]
Siddharth University
(C.M.P.M Degree College)

Master of Philosophy (M.Phill.) **I Div. (2007)**
[Bioinorganic Chemistry]
Delhi University, Delhi.
(Department of Chemistry)

Master of Science **I Div. (2005)**
[Chemistry]
D.D.U. University, Gorakhpur.

Bachelor of Science **I Div. (2003)**
[Chemistry]
D.D.U. University, Gorakhpur.

Intermediate **I Div. (2000)**
[Physics, Chemistry, Biology]
Begum Khair Inter College, Basti.

ACADEMIC PROJECT

- **Synthesis and Characterization of Cobalt Complexes with Amide Based Macrocyclic Ligands**" during M. Phil under the guidance of Dr. Rajeev Gupta, Department of Chemistry, Delhi University.
- **Details:** My M. Phil work involved the Synthesis and Characterization of two Amide containing Macrocyclic Ligands with an appendant arm and there coordination chemistry towards Co (II) metal ion even with Azaphilic metal ion(Cu) to different coordination mode of the Ligands where observed.

ADDITIONAL SKILL

- KNOWLEDGE OF COMPUTER- MS-DOS, MS-Office, OS (Window 10)
- Computer Language- C, C++.

ACCOMPLISHMENTS

- Stood first in G.K. competitions and Essay writing competitions organized at District level.
- Participated and won awards in various cultural programs.
- Participated in the Symposium on the "Application of Nuclear Magnetic Resonance to material & Medicine" in 21 Nov. 2006 organized by IIT Delhi.
- Participated in the CRSI sponsored 9th National Symposium in Chemistry in 1-4 February 2007 organized by Department of Chemistry, Delhi University.
- Hold **NSS Certificate** at Graduation Level.
- Project in Gorakhpur University in 2013 on Nanomaterial synthesis under supervision of Ishwar Das.
- Obtained **IELTS Score 5.5** in English Language in 2018.

- Cooperation in Science Exhibition in 30 jan 2023 organised by Department of Chemistry M.P.M jungle Dhushan Gorakhpur.
- Cooperation in Science Exhibition in 30 jan 2023 organised by Department of Chemistry M.P.M jungle Dhushan Gorakhpur

- Participated in National seminar organised on Rastriya Shiksha Neeti Sankalp Se Siddhi Tak, 07-08 Octobert-2023 organised by Maharana Pratap Mahavidyalaya Jungle Dhushan Gorakhpur.
- https://mpm.ac.in/Hindi/seminar.aspx

- Participated in International seminar organised on Bharat Nepal Sanskritic Antra sambandhon ki Vikas Yatra. Atit se Vartmaman Tak on 01 to 03 March.2024 organised by Maha Yogi Gorakhpur and Maharana Pratap Mahavidyalaya Jungle Dhushan Gorakhpur
- https://mpm.ac.in/Hindi/InternationalSangosti.aspx

Teaching Methodology

- **Pre-Declared Teaching Plan**
- **Chalk and duster method**
- **Use of Models and Visual Aids**
- **Student Engagment**
- **Remedial Class Objectives**
- **Classroom Teaching Approach**
- **Group Discussion Techniques**

Teaching Methodology Report -2023-2024

Name-Divya Dubey
Assistant Professor
Maharana Pratap Mahavidyalaya
Gorakhpur

Subject-Chemistry/ Inorganic Chemistry

My Teaching philosophy Centres on fostering active Learning, Critical thinking, And the student engagement through Instructional techniques.

Pre-Declared Teaching Plan

- ❖ Detailed curriculum outline with specific learning objectives for each session.
- ❖ Incorporation of diverse teaching methods to address different learning styles.

CHEMISTRY DEPARTMENT, MAHARANA PRATAP MAHAVIDYALAYA, JUNGLE DHUSAN, GORAKHPUR

Class: B. Sc. III Sem. LESSON PLAN (Theory) : 2023-24 Subject : Chemistry(CHE-201)

DATE	LECTURE	TEACHER'S NAME	CHAPTER	TOPIC
17/07/2023	1	Mrs. Priyanka Mishra	Unit-I, Chemical Kinetics	Rate of a reaction, molecularity and order of reaction,
18/07/2023	2	Mrs. Priyanka Mishra	Unit-I, Chemical Kinetics	concentration dependence of rates, mathematical characteristic of simple chemical reactions zero order
19/07/2023	3	Mrs. Priyanka Mishra	Unit-I, Chemical Kinetics	First order, second order, pseudo-order, half-life and mean life.
20/07/2023	4	Miss. Namrata Mishra	Unit-V, Coordination Chemistry	Coordinate bonding, double complex salt, Werner Theory
21/07/2023	5	Miss. Namrata Mishra	Unit-V, Coordination Chemistry	Coordinate bonding, double complex salts, Werner's theory of coordination complexes
22/07/2023	**Minor--CT**	Miss. Namrata Mishra	**Minor--Class Teaching**	
24/07/2023	6	Mrs. Priyanka Mishra	Unit-I, Chemical Kinetics	Determination of the order of reaction differential method, method of integration, half-life method and isolation method.
25/07/2023	7	Dr. R. Sahay	Unit-I, Chemical Kinetics	Effect of temperature on rate of reaction, Arrhenius equation
26/07/2023	8	Dr. R. Sahay	Unit-I, Chemical Kinetics	Concept of activation Energy. Simple collision theory based on hard sphere model
27/07/2023	9	Miss. Namrata Mishra	Unit-V, Coordination Chemistry	Classification of ligands, ambidentate ligands, chelates
28/07/2023	10	Miss. Namrata Mishra	Unit-V, Coordination Chemistry	coordination numbers, IUPAC nomenclature of coordination complexes (up to two metal centers)
31/07/2023	**ME**	Miss. Namrata Mishra	**Monthly Evaluation**	
01/08/2023	11	Dr. R. Sahay	Unit-I, Chemical Kinetics	Transition state theory (equilibrium hypothesis)
02/08/2023	12	Dr. R. Sahay	Unit-I, Chemical Kinetics	Expression for the rate constant based one equilibrium constant and thermodynamic aspects (no derivation) .
03/08/2023	13	Dr. R. Sahay	Unit-I, Chemical Kinetics	Expression for the rate constant based one equilibrium constant and thermodynamic aspects

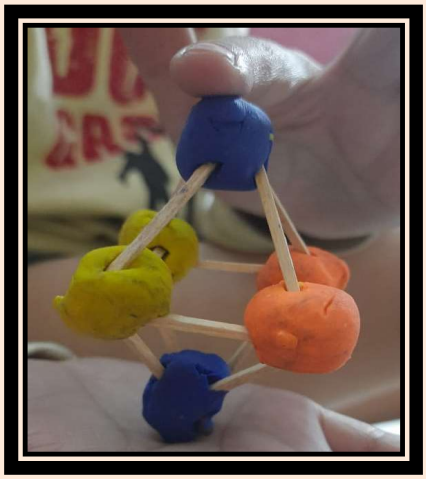
Chalk and Duster" method

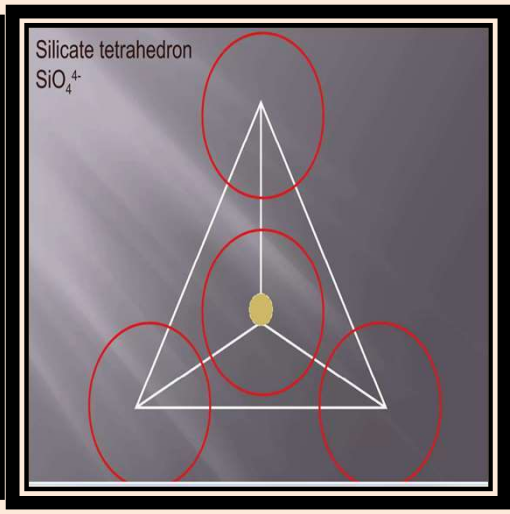
The "Chalk and Duster" method, often associated with traditional classroom teaching .

- I utilizes the chalk and duster method to deliver interactive lectures.
- Concepts are explained step-by-step on the blackboard using chalk.

Use of Models and Visual presentation

- Demonstration models, diagrams, PPT,videos and multimedia resources to enhance understanding.
- Visual representation of complex concepts for better comprehension.
- I don’t have any proof of PPT & Lecture because mobile is not allowed during class or lab.





Student Engagement: -

- Students actively participate by taking notes and asking questions during the lecture
- Q&A sessions encourage critical thinking and clarification of doubts.

Demonstrations and Examples*: -

- Real-life examples and problem-solving exercises are demonstrated on the blackboard.
- This method allows for dynamic explanation and concept visualization.

Remedial Teaching*:

- Identifying areas of difficulty, I conducts targeted remedial sessions using the chalk and duster method.
- Individual attention is provided to students to address specific learning needs.

Group Discussion Techniques

- Implementation of group discussions to promote collaborative learning.
- Facilitation of critical thinking and peer-to-peer knowledge sharing.

Assessment Strategies

Regular formative assessments to monitor progress and understanding.
Summative assessments aligned with learning objectives to evaluate overall achievement.

PERSONAL DETAILS

Father's name	:	Mr. R. D. Pandey.
Date of birth	:	20 Apr 1984.
Language known	:	English, Hindi
Marital Status	:	Married.

Date: 15;may 2023
Place: Gorakhpur.

DIVYA DUBEY