

DEPARTMENTAL PROFILE

Department of Chemistry

Photograph of Department / Instruments /facilities/lectures (Maximum 4)





About the Department

Vision :

To build our reputation as a leading teaching and research department with an aim to contribute to a chemically literate society through teaching and innovative practices.

Mission:

To inculcate values which are based on both professional and academic standards in terms of personal growth, teamwork and satisfaction of our stake holders.

- Year of Establishment : 1988
- Head of the Department : Dr. Suman Malik
- E-mail Id : chemistrysvc88@gmail.com
- Mob.No./Phone no : 0755-2640749
- Built Up Area : 7405 sq. ft.
- Courses offered : B.Sc., B.Sc. Industrial Chemistry, M.Sc.
- No. of teaching faculty : 05
- No. of non-teaching staff : 02
- Pass percentage UG : 95%
- PG : 98%
- Percentage of Placement / Employment : 80%

7. Faculty Profile:

S.No.	Name	Qualification	Teaching experience in years		Specialization
			UG	PG	
1	Dr. Suman Malik	M.Sc., M.Phil, Ph.D	32	24	Physical Chemistry
2	Dr. Archana Singh	M.Sc., Ph.D	23	23	Organic Chemistry
3	Dr. Supriya Das	M.Sc., Ph.D	15	15	Inorganic Chemistry
4	Dr. Bharti Nema	M.Sc., Ph.D	06	06	Chemistry
5	Sh. Anjul Dadoria	M.Sc.	02	02	Chemistry

8. Academics:

(I) At Graduate Level : Course Combinations

- Chemistry, Botany, Zoology
- Chemistry, Physics, Mathematics

- Chemistry, Industrial Chemistry, Zoology
- Chemistry, Industrial Chemistry, Mathematics
- Chemistry, Industrial Chemistry, Physics
- Chemistry, Botany/Zoology, Biotechnology
- Chemistry, Botany/Zoology, Microbiology
- Chemistry, Zoology, Clinical Nutrition & Dietetics

(II) At Postgraduate Level

M.Sc. Chemistry

(III) Ph.D

Chemistry

Research areas: Coordination Chemistry, Environmental Chemistry, Natural Products

8. **Interdisciplinary Courses:** B.Sc. Industrial Chemistry, M.Sc. Chemistry

9. Departmental Infrastructure:

Library facility	Central library
No. of text books	1369
No. of Reference Books	452
No. of Journals	08
Classrooms	03
Class rooms with ICT facility	02
Student Laboratories	04
Research Laboratories	01
Internet facility for staff and Students	WiFi and Networking Lab

10. Instrumentation facilities available in department

- FT-IR
- HPLC
- UV – visible spectrophotometers
- Flame Photometer
- Polarimeters
- Conductivity meters
- Colorimeters
- pH-meters
- Electronic weighing scales
- Water analyser

- Polarograph
- Potentiometer
- Rotary Shaker
- BOD Incubator
- Turbidity meter
- De-mineralisers
- Flash & Fire point apparatus
- Redwood Viscometers
- Microwave for chemical synthesis

11. Research

- Approved Research Centre of **Barkatullah University, Bhopal**
- No. of teachers as research guides : **03**
- Total no. of Ph.D. Awarded : **32**
- Total no. of Research projects undertaken : **07**
- Total no. of publications in International journals : **20**
- Total no. of publications in National journals : **60**
- Total no. of publications in proceedings of seminars and conferences : **80**
- Total no. of papers presented in seminars and conferences : **15**
- Total no. of International Seminars and conferences attended : **25**
- Total no. of National Seminars and conferences attended : **90**
- Total no. of Workshops attended : **20**
- Total no. of Faculty Development Programme / Trainings attended : **20**
- Total no. of Books published : **Nil**
- Total no. of Chapters published in Book : **04**
- Total no. of Workshops /Seminars / Webinars organised : **04**
- **No. of Patents published: Nil**

Application Number:

Date of Filing: Type of Applicant:

Title of Invention: Name of Professor :-

Office Address:

E-mail:

Details of Research Projects

S. No.	Type of Project	Title	Year of Sanction	Funding Agency	Fund Received (INR)	Status Ongoing/ Completed
1.	Major Project	Instrumentation, Networking & infrastructure facilities	2009	DST-FIST, New Delhi	25,91,454/-	Completed
2.	UGC Researc	“Complexation of Drugs for Possible Therapeutic Activity”	2009	UGC, New Delhi	4,50,000/-	Completed

	h Award Project					
3.	Minor Project	Novel metal complexes of therapeutic importance- Synthesis, characterization and biological assessment	2014	UGC- CRO	2,15,000/-	Completed
4.	Minor Project	Synthesis and Biological Activity of Metal Complexes of Diuretic Drugs”	2006	UGC - CRO , Bhopal	45,000/-	Completed
5.	Minor Project	“Synthesis and Characterization of Metal Complexes of Antibiotic Drugs”	2008	UGC - CRO , Bhopal	40,000/-	Completed
6.	Minor Project	“Isolation, Phytochemical Studies And Assessment Of Phytotherapeutic Substances Present in Whole Leaf Extract Of Aloe Vera”	2010	UGC - CRO , Bhopal	1,25,000/-	Completed
7.	Minor Project	“Physico- chemical, Toxicological And Microbiological Analysis Of Ground Water Quality Of Gandhi Nagar Area: A Developing Suburb Of Bhopal”	2010	UGC - CRO , Bhopal	1,25,000/-	Completed

12. Awards/Recognition received by the faculty

Name	Details	Agency	Regional/ State/National/International
Dr. Suman Malik	UGC Research Award Project 2009-12	UGC	National

13. Member / Fellow Member / Life member of Academic / Scientific bodies

1. Indian Science Congress
2. Indian Chemical Society
3. Indian Council of Chemists
4. American Chemical Society
5. Chemical Research Society of India

14. Details of Student Enrichment Programs

(Special Lecture/Workshops/Seminars / Webinars etc.)

S. No.	Date	Program	Name of Expert	Organisation
1.	30 th October 2014	Application of Computer in Chemistry	Dr. Sujoy Das	Associate Professor in Department of Maths and Computer Application MANIT Bhopal
2.	24 th March 2015	Waste Water Management	Dr. Amit Dubey	Scientist EPCO, Bhopal
3.	30 th September 2015	Thermo-Chemistry	Dr. Bharti Jain	Professor in Chemistry S.N.G.P.G. College Bhopal
4.	9 th September 2016	Use of Chemistry in Pharmaceutical Industries	Mr. Gaurav Bajpai	Executive Quality Control Lupin Ltd. Mandideep Bhopal
5.	21 st March 2017	Studies of Water Parameters: An Urgent Need to Know the Environmental Toxicity and Possible Removal	Dr. Suparna Ghosh	HOD, Chemistry Career College, Bhopal
6.	1 st September 2017	P ₃ is The Key of Chemistry	Dr. Roli Shukla	Professor in Chemistry Govt. M. L. B. Girls P.G. Autonomous College, Bhopal
7.	1 st October 2018	Remote Sensing and Its Application in Resource Management	Dr. Tasneem Habib	Chief Scientist and Group Head MP Council of Science & Technology

15. Placement of Distinguished Alumni

S. No.	Name	Present Post/Entrepreneur	Organization
1	Dr. Diwakar Singh	Associate Professor	Christ College, Bhopal
2	Dr. Ram Kumar Kushwaha	Asstt. Professor	Millennium Institute of Technology & Science, Bhopal

3	Sh. Vipin Sharma	Q C Executive	Zydus Cadilla
4	Dr. Gourav Bajpai	Head Quality Control	Lupin Ltd.
5	Dr. RanuChouksey	Asstt. Professor	Chameli Devi Group of Institutions
6	Sh.Sheelendra Gupta	Technical Executive	Procter &Gamble
7	Sh. Inderjit Singh	QC Chemist	Torrent Pharma MNC Company (H.P.).
8	Mrs. Shanta Belani	Asstt.Professor	SHGC, Bairagarh ,Bhopal
9	Mrs. Deepa Thakur	Asstt.Professor	Scope College of Engineering, Bhopal
10	Sh. Deepak Patidar	Territory Business Manager	Drstore Healthcare Services India Pvt. Ltd.

Future Plan:

To focus more on Skill development and entrepreneur programs relevant to our subject area.