

DEPARTMENT OF CHEMISTRY








Welcome to the department, which missions to pursue with distinction, discovery and transmission of knowledge and understanding related to the updated chemical sciences.

The department of chemistry aims to distinguish and establish itself as a centre for innovative and pioneering research not only in chemistry but also interfacing with physical and biological sciences.

We teach chemistry in a way that students develop a culture of creativity not only in classrooms but laboratories as well, which prepares and promotes for positions of leadership and lives of service.

FACULTY MEMBERS

1.Head	Name and Qualification	Experience	Specialization
	Dr.C.P.Pokharna M.Sc.Ph.D.,NET Qualified https://www.youtube.com/user/cpokharna	27 years	Organic Chemistry
	Dr.Neetu Bhartiya M.Sc.,Ph.D.,NET Qualified https://www.youtube.com/channel/UCfr8ilMQDrJV-Erx-DkEtQg	24 years	Organic Chemistry
	Dr. Shema Khan M.Sc., Ph.D., NET Qualified https://www.youtube.com/channel/UC7ltQeQqxa3Jzm-2rjfWgJw	20 years	Organic Chemistry
	Dr.Lata Chhachhiya M.Sc.,NETQualified,PursuingPh.D. https://www.youtube.com/channel/UCq7WQUNKzCwpulgNzpV-v5w	10 years	Inorganic Chemistry
	Dr.ErraTyagi (RVRES) M.Sc. Ph.D.,NET (JRF) Qualified https://www.youtube.com/user/erratyagi57/featured	29 years On Deputation	Physical Chemistry

Lab Assistant :Abhishek Sharma(On contract basis)

Lab-Bearer:Bholu Ram Meena(On contract basis)

COURSES

***UNDER GRADUATE:(Year-wise scheme)**

Number of students enrolled this year

B.Sc.Part-I (Maths):176

B.Sc.Part-I (Bio.):176

***POST GRADUATE: (Semester System)**

M.Sc.Prev.(Sem.I):30 Enrolled

M.Sc.Final(Sem.III):24 Enrolled

LINKS (Syllabus of the Courses)

- https://www.mdsuajmer.ac.in/syllabus/602_bsc%20part_I.c.pdf
- https://www.mdsuajmer.ac.in/syllabus/603_bsc%20part_II.c.pdf
- https://www.mdsuajmer.ac.in/syllabus/735_556_bsc_III.pdf
- [https://www.mdsuajmer.ac.in/syllabus/498_M.Sc.%20Chemistry%20Syllabus%20Sem.I%20to%20II%20\(2018-19\).pdf](https://www.mdsuajmer.ac.in/syllabus/498_M.Sc.%20Chemistry%20Syllabus%20Sem.I%20to%20II%20(2018-19).pdf)
- [https://www.mdsuajmer.ac.in/syllabus/501_M.Sc_semester_syllabus_III_and_IV%20\(2019-20\).pdf](https://www.mdsuajmer.ac.in/syllabus/501_M.Sc_semester_syllabus_III_and_IV%20(2019-20).pdf)

***Ph.D.Programme:**

Name of the Faculty as Research Guide	Research Field	Number of students registered	Vacant Seats
Dr.C.P.Pokharna	Synthetic Organic and Environmental Chemistry and Natural Products	02	02
Dr.Neetu Bhartiya	Green Chemistry	00	02

“We aspire a glorious successful future of our department with continuous process of learning, perfect blend of dedication and devotion to our work, scheduled and an organised implementation of curriculum.”

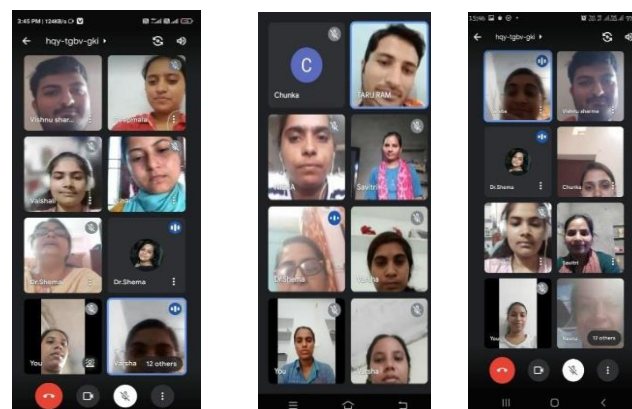
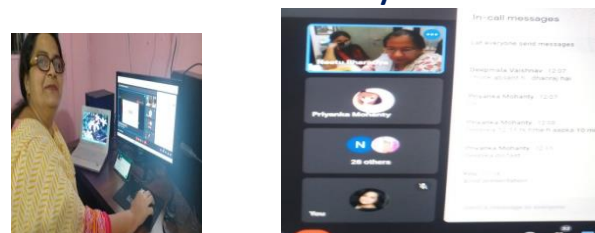
We plan to focus on collaborate research program on interdisciplinary basic research at the interface between chemistry and physics, material sciences, chemical engineering ,microbiology, biology and environmental studies to provide an understanding and rationalize observation in physico-chemical, bio-chemical and bio-physical phenomenon.



Seminars for the students for M.Sc.Previous and M.Sc.Final year students is organised where students give their Power Point presentations.



Zoom Meet / Google Meet/ Webex Platforms were used to conduct P. G. Level Seminars like in M.Sc. Chemistry (Previous and Final) at the time of nationwide lockdown due to rising COVID-19 cases in the country.



To strengthen the research of the department striving to get grants from Research Bodies which will help our department in establishing Lab with a number of highly modern technically sophisticated instruments.

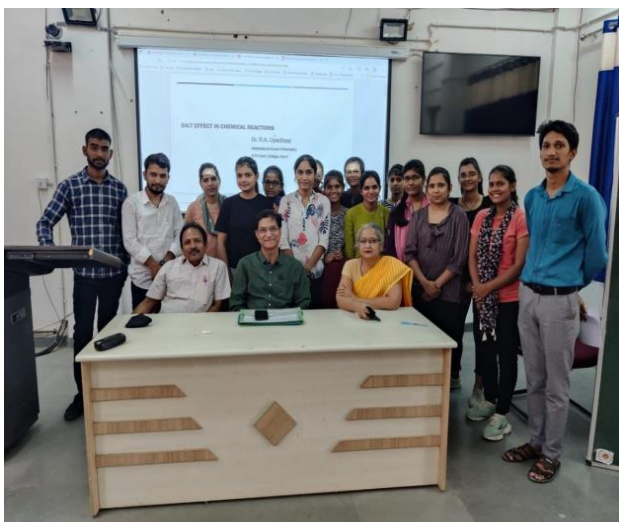
Educational tours for P.G. students at IR, NMR labs at central university, visit to the factories like marble industry kishangarh.

INVITED GUEST LECTURES

Time to time guest lectures by eminent scientists and professionals from industries, academia is conducted for guidance in conceptual studies and analytical instrumentation.



Lecture on 'Mass Spectrometry' by Dr.Seema Garg



Lecture on 'Salt effect in Chemical Reactions' by Dr.R.K.Upadhyay

SCIENCE ASSOCIATION

(AT UNDER GRADUATE LEVEL)

P.G.CHEMISTRY

ASSOCIATION

(AT POST GRADUATE LEVEL)



The enthusiastic participation of U.G. and P.G. students in different competitions on "National Science Day" created awareness regarding environmental issues in an appealing manner.

Results Of Competition(28.02.22)

B.Sc.Part I: Essay Competition

First: Radhika Pradhan & Bhumika Kumawat
Second: Neha Baghel
Third: Khushbu Chorotia

B.Sc.Part II:Poster Competition

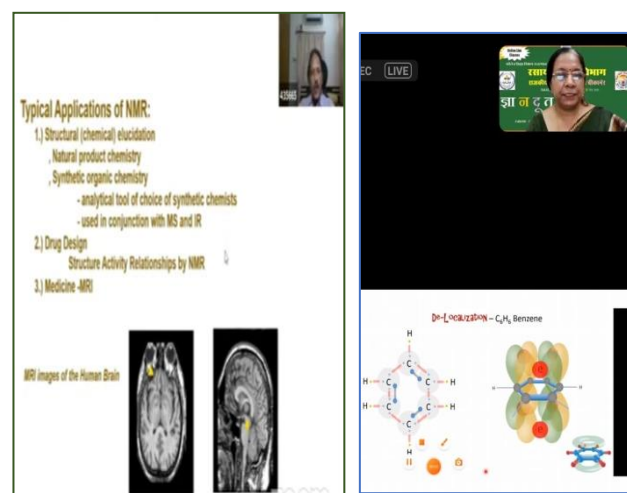
First: Manvendra Singh Rathore & Mansi Vaishnav
Second: Vijay Laxmi Kanwar
Third: Pinki Choudhary

B.Sc. Part III & M.Sc.: Extempore

First: Surbhi Dayma(M.Sc.Sem.I) & Mohit Chouhan(B.Sc.Part III)
Second: Shamina(M.Sc.Part I)
Third: Ishita Solanki(M.Sc.Part I)

Faculty members have been constantly upgrading for teaching excellence through faculty development programs (FDP's), workshops, seminars, symposiums and also by participating in National and International Conferences.

The knowledge is not confined to college level only but faculty as a Resource person has also delivered lectures at different colleges, workshops, seminars and Gyan Ganga and Gyan Doot Programmes.



Dr.C.P.Pokharna and Dr. Neetu Bhartiya delivering online Lecture GYANDOOT PROGRAMME

Dr.C.P.Pokharna Delivered lecture in NCPOR,Goa(26th Nov.2021)

AWARDS:

Dr.C.P.Pokharna, Head of the Department received awards and prizes for excellence in his work ethics and students advisory.

1.State Level Teacher Award 2020, received from Higher Education Department, Govt.of Rajasthan.



2. Award on Republic Day 2007 from SDM, Kishangarh for his significant contribution towards society as NSS programmes Officer.

CONFERENCES AND WEBINARS

ORGANIZED BY THE DEPARTMENT

1. National Seminar on Scientific & Technical Terminology in environmental and Chemical Sciences organized by The Department of Chemistry



CERTIFICATE COURSES/ INTERNSHIP PROGRAMMES

Name	Class	Project Name
1.Amar Chand Malakar	B.Sc.Part I	DST KaryaScheme (Internship)
2.Gopal Vyas	M.Sc.Prev.	DST KaryaScheme (Internship)
3.Priyanka Mohanty	M.Sc.Prev	DST KaryaScheme (Internship)
4.Priya Vaishnav	M.Sc.Prev.	DST KaryaScheme (Internship)
5.Hansraj	M.Sc.prev.	DST KaryaScheme (Internship)
6.Shivani Jethani	B.Sc.Part II	DST KaryaScheme (Internship)



BOOKS EXHIBITION IN SEMINAR

2. A Webinar was conducted on edible oils, junk food and healthy food focusing on **'HEALTHY FOOD: CHEMICAL ASPECTS'**

"Healthy Food: Chemical Aspects"

With keynote speaker
Dr. Rashmi Sharma

Date: 5th February
2021 (Friday)
Time: 11:30 am to
12:20 pm
Platform: Zoom Meet



Dr. S.R. Daga
Principal



Dr. Alka Pareek
Anandam Convener



Dr. Geeta Sharma
Convener IQAC



Dr. Shoma Khan
Organising Secretary



**Keynote Speaker: Dr.Rashmi
Sharma**

RESULTS

M.SC.TOPPERS

Session:2018-20



Ms.Monika Vaishnav: 80.66%

Session:2019-21



Ms. Nihar Khan: 83.25%

M.Sc.Sem.IV: 100% Result



Topper: Ms. Vaishali Bokolia:86.33%

Session:2020-22

M.Sc. Sem.II : 100% Result



Topper:Ms.Pooja Rathore:87.33%



UPCOMING EVENTS

1. Educational Tour/Visit to cement industry like Shree Cement, Beawar / Khetri Copper Complex/ Hindustan Zinc Ltd. Chittorgarh / R.K. Marbles, Kishangarh
2. International Conference on Recent Trends in Chemistry.