

# FACULTY PROFILE

- 1. Name** : Dr Ruchi Mahnot  
**2. Designation** : Professor  
**3. Subject** : Chemistry  
**4. Date of joining ( In Service)** : 24.09.1992  
**5. Date of joining (RPSC/Ordinance):** 30.09.1995  
**6. Educational Qualification:-**



Level	Name of University	Year	Title/ Remark/ Medal
M.Sc.	UNIVERSITY OF Rajasthan	1989	
Ph.D	RAJASTHAN UNIVERSITY, JAIPUR	1992	SYNTHESIS and Reaction of NOVEL Heterocyclic Compounds Containing Dicoordinated Phosphorus
OTHER	Institute fur Anorganische chemie Munchan	Feb. 1992 to May 1992	RESEARCH WORK

## 7. Details of Working Institutions:-

<b>S.No.</b>	<b>Name of College</b>	<b>From</b>	<b>To</b>	
1.	GOVERNMENT P.G. COLLEGE, Swai Madhopur	24.09.1992	31.01.1996	
2.	GOVERNMENT COLLEGE, Barmer	01.02.1996	05.08.2013	
3.	GOVERNMENT COLLEGE, JAIPUR	06.08.2013	18.11.2019	
4.	Commissianrate college education	19.11.2019	16.01.2023	
5.	GOVERNMENT COLLEGE, JAIPUR	17.01.2023	21.02.2024	
6.	GOVERNMENT COLLEGE BASSI	22.02.2024	Continue	

## 8. Teaching / Research Experience:-

<b>Course</b>	<b>Total Experience</b>
U.G	31
P.G	02

## 10. Research Paper Publications:-

<b>S. No.</b>	<b>Title with Page No./Year of Publication</b>	<b>Name of Journal</b>	<b>ISSN No.</b>	<b>Impact Factor</b>
1991	Synthesis of New Functionalized Dichlorophosphines: Precursors of Dicoordinated Phosphorus Heterocycles	Tetrahedron Letters,[Britain]	0040-4030/91	2.032

1992	Synthesis of New Heterocycles with Dicoordinated Phosphorus: 3-Substituted Thiazolo [3,2-d] [1,4,2] diazaphosphole and its 5,6-Dihydro and Benzo Derivatives	Synthesis [Stuttgart, New York]		3.019
1992	1,3- Azaphospholo [5,1-b] thiazolines and Benzothiazoles	Heteroatom Chemistry	1042-7163	1.32
1993	Substitution and Addition Reactions of 1,5- Anellated 1,3- Azaphospholes	Phosphorus and sulfur and silicon	1042-6507	1.052
1994	Use of N-Cycloimmonium Salts for the Synthesis of Anellated Heterophospholes	J. Indian Chemical Society	194522	1.243

1994	1,4,2-Diazaphospholothiazoles and -pyridines by a Hantzsch- Type Condensation Using Chloromethyldichlorophosphane	Chember [Weinheim]	0009-2940/95/0606-0581	01.412
1994	विषमफॉस्फोल-एक समीक्षात्मक विवरण	भारतीय वैज्ञानिक एवं औद्योगिक अनुसंधान पत्रिका	0771-7706	1.021
2005	Regioselectivity in Diels- Alder Reactions of Thiazolo [3,2-d] [1,4,2] diazaphospholes and Related Compounds	Z. Naturforsch	0932-0776/05/0100-0007	1.712
2015	Coumarin Derivatives And Their Chemical Synthesis - 2015 (Pg. Nos.-8)	International Journal Of Innovative Research In Science, Engineering & Technology	2319-8753	5.442

2016	The Role Of Green Chemistry In Reducing Environmental Pollution And Waste - 2016 (Pg. Nos. - 9)	Ascent International Journal For Research Analysis	2455-5967	1.675
2016	Green Chemistry Is Similar To Sustainable Chemistry Or Circular Chemistry - 2016 (Pg. Nos. - 8)	International Journal Of Advanced Research In Arts, Science, Engineering & Management	2395-7852	2.421
2017	Impact of Pesticides on Environment - 2017 (Pg. Nos. - 15)	International Journal Of Innovative Research In Science, Engineering & Technology	2319-8753	7.089
2017	Toxicological Effects Of Pollution In Soil And Sediments Of India's Major River - 2017 (Pg. Nos. - 7)	Ascent International Journal For Research Analysis	2455-5967	1.675

2018	Development And Applications Of Dyes And Polymers - 2018(Pg. Nos.-9)	International Journal Of Engineeering, Science And Mathematics	2320-0294	6.765
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### 11. Academic Courses/FDP Attended:-

Name of the Course	Sponsoring Agency	Place	No. of Days	From	To
Refresher course	ASC University of Rajasthan	Jaipur	20	08-03-1999	27-03-1999
Orientation course	ASC University of Rajasthan	Jaipur	27	19-07-1999	14-08-1999
Refresher course	UGC ASC University of Rajasthan	Jaipur	20	16-09-2004	05-10-2004
Refresher course	UGC ASC University of Rajasthan	Jaipur	20	05-10-2005	24-10-2005

### 12. Seminars / Conferences:-

Year of Publication	Title of Paper Presented	Title of Conference / Seminar	Organised by	Whether international /national/state /regional/college or University
1990	Synthesis of New Hetrocyclic systems containing Dicoordinated-Phosphorus	Synthesis of New Hetrocyclic systems containing Dicoordinated- Phosphorus	8 <sup>th</sup> International Conference on Organic Synthesis (IUPAC), Helsinki	International
1991	[4+2] Cycloadditions of 1,3-azaphospholo [5,1-b] benzothiazoles	[4+2] Cycloadditions of 1,3-azaphospholo [5,1-b] benzothiazoles	Indian Council of Chemists [10 <sup>th</sup> Annual Conference] Goa	National
2017	Application of Diels-Alder Reaction In Polymer Chemistry - 2017	International Conference On Commerce, Management, Social Science and Science	Navbharat Memorial Foundation In Association With L.B.S. P.G. College	International
2018	Effect of hazardous waste on environment	International Conference on Modern Strategies	Inspira Research Jaipur and L.B.S.P.G. College	International
2023	The challenge to keep traditional business alive in desert area	XXIV Inter Disciplinary International Conference on Science, Technology and Society	Department of Sociology, Samrat Prithviraj Chauhan Government College, Ajmer	International
2023	Bajra [Millets] for Cancer Prevention	Cancer Awareness: Prevention and Treatment Strategies	A.P.J. Abdul Kalam Govt. Girls College, Gangapole, Jaipur	National

### 13. Resource Person /Organizing Secretary/ Coordinator of Seminar/Webinar:



<b>Webinar Title</b>	<b>Post</b>	<b>Duration</b>	<b>Organizer</b>	<b>Year</b>
<b>International Conference on Recent Developments in Science and Impacts on Management, Art &amp; Culture, Social Sciences and Education</b>	<b>Conference Director</b>	<b>2 days</b>	<b>Government College, Jaipur, Rajasthan [India]</b>	<b>2023</b>