



# SHAHEED CAPTAIN RIPUDAMAN SINGH GOVERNMENT COLLEGE

## SAWAI MADHOPUR

### PROFILE

**Name : Dr. Romila Karnawat**

**Designation : Associate Professor**

**Subject : Chemistry**

**Date of Birth : 01/02/1967**



### 1. Educational Qualification:

Level	Name of University	Year	Grade/Division/Remark
UG	University of Rajasthan , Jaipur	1986	First Div.
PG	University of Rajasthan , Jaipur	1988	First Div.
Ph. D	University of Rajasthan , Jaipur	1993	
Diploma in German language	University of Rajasthan , Jaipur	1991	Credit

## 2. Teaching/Research Experience:

Level	Experience in Year
UG	31 years
PG	15 years
Research	33 years

## 3. Academic courses (Orientation/Refresher/Short term/FDP/FTP) attended/participated:

Type of course (Orientation/Refresher/Short term/FDP/FTP)	Title of the course	Venue	Sponsoring Agency	Organized by	Dates (from...to)
Orientation Course		Academic Staff college, Jaipur	UGC		12-05-97...07-06-97
Refresher Course		Academic Staff college, Jaipur	(UGC)		27-09-98...16-10-98
Refresher Course		Academic Staff college, Jaipur	(UGC)		10-06-02...29-06-02
Refresher Course		Academic Staff college, Jaipur	(UGC)		15-12-08...03-01-09

Refresher Course in low cost instrumentation Code Ch-65 (L-42)		Jaipur	CPDHE University of Delhi, Delhi		Dec 1994
Computer Training Course for college teachers.		University Computer Center Jaipur	(UGC)		14-03-94...26-03-94

#### 4.Seminars/Conferences/Workshops/Symposiums etc:

Session	Topic of Workshop/Conference/S ymposium	Venue	Date	Title of Paper	Level International/ national/Stat e/local
2014-15	National Symposium on Green Economy & Harnessing Natural Products for Sustainable Development	Jaipur	12-07-2014	Complexation of heavy metals with chelating agents: A remedial approach	National
2014-15			16- 18/10/2014	Exploring the potential of Cucurbita pepo Seeds in Removal of Pesticides by Adsorption Studies	National

	National Conference on Emerging Areas In Chemical Education & Research and National Convention of Chemistry Teachers	The IIS University,J AIPUR.		from Aqueous Solutions: An Eco-Friendly Approach	
2015-16	52nd Annual Convention of Chemists and International Conference on Recent Advances in Chemical Sciences	JECRC University JAIPUR and Indian Chemical Society,KO LKATA Co-sponsors..... DST,NewDe lhi,CSIR,Ne wDelhi,UG C,NewDelhi &Institution of Chemists(In dia),Kolkata	28-30/12/2015	Exploring the potential of momordicin as bio chelator for the complexation with heavy metals: Remedial approach Efficacy of aqueous and alcoholic extracts of some medicinal plants for potential antimicrobial activity	International

2015-16	International Conference on Frontiers at the Chemistry-Allied Sciences Interphase	Dept. of Chemistry, UOR, Jaipur	25-26/04/2016	Efficacy of Aqueous and Organic Extracts of some medicinal plants for their antimicrobial activity	International
2015-16	National Conference on Sustainable Chemical and Material Sciences	Dept. of Chem., S.S. Jain Subodh P G College, Jaipur and DST, UGC & DRDO	5-6/8/2016	Binding of heavy metals to the chelation therapy agents: A remedial approach	National
2016-17	National Conference on Environmental Challenges, Human Health and Society	University's Maharaja College, UOR, Jaipur and UGC, International society for life science and the	8-10/9/2016	NEW TRENDS TO INCREASE THE USE OF ALTERNATE FUELS FOR SUSTAINABLE DEVELOPMENT IN INDIA	National

		indian science congress association Jaipur			
2016-17	VIBHA ( Third Rashtriya Hindi Vigyan Sammelan )	Dept. of Chemistry, UOR, Jaipur	16- 17/12/2016	Biochelator ke roop me gallic acid ki kshamta ka aaklan	National

2016-17	National conference on New Vistas in Chemical Research	Deptt. Of Chemistry, The IIS University, Jaipur	18-19 January 2017	Exploring the potential of Gallic acid as bio chelator in heavy metal detoxification	National
2017-18	International Conference on Frontiers at the Chemistry-Allied Sciences Interphase	Dept. of Chemistry, UOR, Jaipur	22-23 /07/2017	Exploring the potential of allicin as biochelator in heavy metal detoxification	International
2017-18	National Workshop on "Instrumentation Techniques for Research in Chemical Sciences"	Kanoria PG Mahila Mahavidyala, Jaipur and ACT(Mumbai) and DST(Rajasthan)	22-23/12/2017	Study of the antioxidant activity of vegetables influenced by various cooking methods:A Review  1,3-Diphenyl -3-hydroxy triazene	National

2017-18	National Conference on Energy, Material and Sustainable Society	Kanoria PG Mahila Mahavidyala, Jaipur. Organised by- Dept of Physics & Chemistry Sponsored- Rajasthan Renewable Energy Corporation Ltd, Rajasthan State Pollution Board and Materials Research Society of India	24-25/01/2018	Potential of Biofuels as an Alternate source of Energy: A Review	National



2018-19	National Conference on Recent Advances at Interphases of Physical and Life Sciences (RAIPLS)	ISLS, DST, Dept. of Chemistry, UOR Rajasthan	6-7/07/2018	Quantitative Estimation of Heavy Metals (As and Pb) in Human Blood Samples Collected from Different Areas of Rajasthan	National
2018-19	International Conference on Role of ICT in Higher Education and Research	SS Jain Subodh PG(Autonomous) College, Jaipur	5-6/10/2018	Sustainable Educational Development of Research by the Use of Information and Communication Technology(ICT):A Review An Overview of Impact of ICT in Engineering Sciences	International
2018-19	International Conference on Recent Advances at	University of Raj and Sri Balaji PG	28-30/01/2019	A REVIEW ON THE POLICY, PRICING AND	International

	Interfaces of Physical and Life Sciences	Mahavidyala ya,Jaipur and Organized By Dept. of Chemistry,U OR,JPR		IMPLEMENTATION OF ETHANOL BLENDING PROGRAMME IN INDIA	
2019-20	Emerging challenges, their solutions and recent advances in Science	Govt. Science College, Sikar in association with DST, GOR. Jaipur	4-5/10/2019	Contribution, Application and challenges for chemistry in society and environment	International
2019-20	Higher Education and Sustainable Development Goals HESDG	Seth RLS Govt. PG College, Kaladera	6-7/12/2019	Heavy metal Detoxification of drinking water: A novel approach	National

2019-20	Human Rights are Women's Rights Women's Rights are Human Rights  (INCHRWR -2019)	Government College,  Jaipur	27-28 /09/2019	Women Rights and Gender  Equality	National

## 5. Research publication:

Year	Title of Paper	Name of Journal	ISBN/ISSN No.	Impact Factor
2008	Electrochemical behavior of 1,3diphenyl-3-hydroxytriazene and its copper complex 47 A, 2007 March 2008 pp. 383-386	Indian Journal of Chemistry, India	0975-0975	0.489

2010	Electrochemical behaviour of 3ethyl-1-phenyl-3-hydroxytriazene 22 (4),2010, pp. 2599-2605.	Asian journal of Chemistry, Ghaziabad, India	0970-7077	0.31
2010	Synthesis, characterization and biocidal studies of some hydroxamic acids 1(1), NovDec.2010 pp. 1293-1299	International Journal of Applied Biology and Pharmaceutical Technology	0976-4550	1.7
2011	Synthesis, spectroscopic characterization and antibacterial activity of 2-[2hydroxyphenylazo)- 1-naphthol-4-sulphonic acid and its Fe(III). Co(II) and Cu(II) complexes 2(2) April-June 2011 pp.805-811	Research Journal of pharmaceutical Biological and Chemical Sciences	0975-8585	0.35
2011	Synthesis, characterization and antimicrobial screening of some azo compounds 2(2) April- of Applied Biology June 2011 pp.332-338	International Journal of applied Biology and Pharmaceutical Technology	0976-4550	1.7
2011	Synthesis, Electrochemical and antimicrobial Studies of 2-Phenylazo-1-naphthol-4 sulphonic acid 3(3).July-Sep-2011 pp.1164 -1171	International Journal of Chem Tech Research	0974-4290	0.47
2012	Electrochemical Behaviour of para-Amino benzoic acid and its Cadmium Complex 24(6) Jan 2012, pp. 2472-2478	Asian journal of Chemistry, Ghaziabad, India	0970-7077	0.31
2012	Electrochemical behavior of 3-methyl-1 phenyl-3-hydroxytriazene 89 (11) Nov 2012 pp. 1525-1530	Journal of Indian Chemical Society Kolkata	0019-4522	0.15

2012	Analysis of Methyl Parathion In Biological Samples Using Thin Layer Chromatography 3(3), July-Sept 2012, 203-209	International Journal of Applied Biology and Pharmaceutical Technology	0976-4550	1.7
2013	Photochemical Investigation For Therapeutic Potential Of Some Medicinal Plants: A Novel Interrogative Approach, 915-921	International Journal Of Recent Scientific Research	0976-3031	7.383
2016	Estimation Of Pesticide Residue In Human Blood Samples Of Occupational And Non Occupational Residents Of Rajasthan, 11658-11664	International Journal Of Recent Scientific Research	0976-3031	7.383
2016	Adsorption Studies Of Methyl Parathion On Papaya Seed Activated Carbon: An Ecofriendly Approach, 907-918	World Journal Of Pharmaceutical Research	2277-7105	8.084
2016	Exploring The Potential Of <i>Catharanthus roseus</i> , <i>Ricinis communis</i> , <i>Carica papaya</i> and <i>Annona squamosa</i> Used As Biopesticides, 766-774	International Journal of Environmental Sciences	0976 - 4402	2.852
2017	Exploring The Potential Of Momordicin As Bio Chelator For The Complexation With Heavy Metals: Remedial Approach, 959-969	World Journal Of Pharmaceutical Research	2277-7105	8.084
2018	Evaluation Of Chelating Tendency Of Gallic Acid as a Detoxifying Agent: An Innovative Approach, 23470-23474	International Journal Of Recent Scientific Research	0976-3031	7.383

## 6.Books Publication:

Title of Book	ISBN/ISSN No.	Name of Publisher with place	Year of Publication
Physical Chemistry(Hindi) BSc. Part I(Revised Edition)	ISBN :978-81-8142-026-8	Ramesh Book Publishing House, Jaipur	2019
Physical Chemistry(Hindi) BSc. Part I(Revised Edition)  Physical Chemistry(Hindi) BSc. Part II(Revised Edition)	ISBN:978-81-8142-061-6	Ramesh Book Publishing House, Jaipur	2019
Physical Chemistry(Hindi) BSc. Part III(Revised Edition)	ISBN:978-81-8142-148-5	Ramesh Book Publishing House, Jaipur	2019
Physical ChemistryBSc. Part I(Revised Edition)	ISBN :978-81-8142-708-3	Ramesh Book Publishing House, Jaipur	2019
Physical Chemistry BSc. Part II(Revised Edition)	ISBN:978-81-8142-017-9	Ramesh Book Publishing House, Jaipur	2019
Physical Chemistry BSc. Part III(Revised Edition)	ISBN-978-81-8142-130-2	Ramesh Book Publishing House, Jaipur	2019-20
Practical Chemistry BSc. Part III(Revised Edition)	ISBN:978-81-8142-196-5	Ramesh Book Publishing House, Jaipur	2017-2018

Practical Chemistry(Hindi) BSc. Part III(Revised Edition)	ISBN:978-81-8142-211-2	Ramesh Book Publishing House, Jaipur	2017-2018
Physical Chemistry MSc. CH 03 (Phase Equilibria, Physical Transformation, Quantum Chemistry)		Vardhman Mahaveer open University, Kota	2017-2018

## 7.Chapters in Books:

Title of Chapter	Title of Book	ISBN/ISSN No.	Name of Publisher with place	Year of Publication
Contamination of water by heavy metals : A review of global concern	Environmental Issues and Solutions	978-81-941950-0-9	Aggarwal Pustak Prakashan	2018-19

A Perusal about impact of pesticides on water quality.	Water crisis and sustainable management	978-93-84524-43-2	Shivam Book House(P) Jaipur	2019-20
Water Scarcity and Its Economic Implication	Management Strategy of Natural Resources	978-93-84524-54-8	Shivam Book House (P) Ltd., Jaipur	2021

## 8. Research Projects:

Title of the Project	Major/ Minor	Year	Name of Funding agency	Funds awarded/utilized	Present status

## 9. Research Supervision:

**Area of research work : Electrochemistry and Environmental Chemistry**

**Affiliated University : University of Rajasthan**



Name of Student	Title of thesis(Ph.D.)	Present status	Date and Year of Award ,if so
Manu Gupta		Awarded	2010
Swati		Awarded	2012
Ginni Kumawat		Awarded	29 <sup>th</sup> June 2016
Nidhi Gaur		Awarded	9 <sup>th</sup> Oct. 2018

### 10.Organizing Sec./Convenor of Seminar/Conference/Workshop/etc:

Organizing Sec/Convenor/Co-convenor etc	Title of Seminar/Conference/Workshop/etc:	Organized by	Date

### 11.Resource Person/ Session Chaired/Session Judged etc:

Resource Person/ Session Chaired/Session Judged	Title of Seminar/Conference/Workshop/etc:	Organized by	Date


## 12.Membership of Academic/Research Bodies/Council etc:

Type of Membership	Name of Academic/Research Bodies/Council	Remark
Life Membership	ACT (Association of Chemistry Teachers)	
Life Membership	Indian Chemical Society	

## 13.Award / Achievements/Recognition:

Type of Award/Achievement	Name of Agency	Remark

## 14.M.O.O.C (Developed by Faculty)

Please provide detail (if any):-

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## **15.Development of e-content:**

Provide YouTube Channel Link : [https://www.youtube.com/channel/UCCATTfZEVejNqLsLE66\\_jbA](https://www.youtube.com/channel/UCCATTfZEVejNqLsLE66_jbA)

## **16.College level activities (academic/sports/students centric etc):**

Please mention some of special duties/activities performed(last 5 years) by you at college level.

(ii)

(iii)

## **17.Extra Curricular Activities(last 5 years):**

(i)

(ii)

(iii)

## **18.Any other Relevant information/Contribution:**

(i)

(ii)

(iii)