



Janki Devi Bajaj Government Girls College Kota

FACULTY PROFILE

[Photo](#)

1 Name: DR SARASWATI AGARWAL

2 Designation: Associate Professor

3 Department: CHEMISTRY

4 Educational Qualification:

Level	Name of University/Board	Year	Title/ Remark/ Medal
<i>P.G.</i>	JNV University, Jodhpur	1989	
<i>Ph.D.</i>	JNV University, Jodhpur	1991	University Scholarship
<i>Other</i>			

1. Experience: Teaching /Research

UG	30 yr	PG	24 yr	Research	32yr
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Membership (Academic Bodies):

1. LM-5587, Indian Chemical Society,
Kolkata

2. LM-046, Rajasthan Science Congress
Association

3. LM-11926, Indian Science Congress Association

4. LM-145, GESA

3. M.O.O.C (Developed by Faculty):

4. Awards Received: (1) INDO GLOBAL EDUCATION EXCELLENCE AWARD

(2) SENIOR SCIENTIST AWARD

(3) FELLOWSHIP OF GESA (FGESA)

5. Academic Courses Attended:

Course	Place	Sponsoring Agency	Duration
<i>Orientation Course</i>	Jodhpur	JNV University Jodhpur	7May-2June2001

<i>Refresher Course 1.</i>	Jodhpur	JNV University Jodhpur	4-23 September 2000
<i>2.</i>	Jodhpur	JNV University Jodhpur	5-24 September 2005

3.	Shimla	ASC, Himachal Pradesh University, Shimla	2-21 August 2004
<i>Other (Workshop/ Summer School/ Camp etc.)</i> ICT Basic Training Programme 5 National Academic Workshop Wild Life Week MOS Training IPR(Patent) Training of Trainers for Teachers National Workshop on IPR	Kota	DCE, Jaipur and JDB Government Girls College Kota	17/01/2011 to 04/02/2011
	Kota	University of Kota ,Kota	21/10/2013 to 25/10/2013
	Kota	JDB Government Girls College Kota	01/10/2013 to 07/10/2013
	Kota	Microsoft and DCE, Jaipur	08/10/2018-12/10/2018
	Kota	JDB Government Girls College Kota	30/03/2019
	Jodhpur	NITTTR, Bhopal	30/09/2019-04/10/2019
	Kota	JDB Government Girls College Kota	19/02/2020

Online F.D.P (Faculty Development Programme)attended			
International Faculty Development Conclave	Online	JNV University of Jodhpur, Jodhpur	15/09/2020 -21/09/2020
Goespatial inputs for enabling master plan formulation	Online	IIRS Dehradun	27/07/2020-31/07/2020

Remote sensing applications in agricultural water management	Online	IIRS Dehradun	03/08/2020-07/08/2020
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6. Seminar/ Conference attended:

Name of Seminar/ Conference	Internat./ National/ Regional	Paper Presented	Title of Paper	Date
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7 th International science congress , College of science and technology, Royal university , Bhutan	International	Presented	Study of cohesion and internal angle of fraction of soils by artificial neural network model through index properties -	8-9 December 2017
ICECIPHH-2018 St. Wilfreds PG College, Jaipur	International	Presented	Artificial neural network model for study of various properties of soil	15-17 January 2018
ICRAIPLS-2019, University of Rajasthan ,Jaipur	International	Presented	Impact of air pollution on human and environment	28-30 January 2019
ICSDOC-2020, Government Arts Girls College ,Kota	International	Presented	Impact of research methodology on skill	16-17 January 2020
IWC2020, ABRF-GESA	International	Presented	Impact of covid-19 on environment and society	9-11 November 2020
ICES 2020	International	presented	Environmental resources in current scenario	26-28 December ,2020

*More than 20 National and International webinars attended during May2020 to December2020

7. Organizing Sec./Convener of conference/seminar/webinar: NA

8. Resource Person:

In training Programme	NA
In conferences/Seminars (Chair/Co-Chair of Session)	1,Invited speaker and Chairman -IGMEC2019 Bangkok 2.Resource Person- ICES2019, GESA

12. Research Publications

Title of Paper	Name of Journal	Volume and No. with Year	Citation Index	Impact Factor	Google Index
(1)Kinetics and mechanism of the oxidation of some vicinal and non vicinal diols by benzyl triethylammonium chlorochromate, 4(4),2006,887-898 (2) Kinetics and mechanism of the oxidation of some unsaturated acids by pyridinium bromochromate ,vol.83 may2006,500-503	IJCS IJCS	2006			
(1)Oxidative regeneration of carbonyl compounds from oximes by morpholinium chlorochromate:A kinetic & mechanistic study, vol.49A march2009 (2)Correlation analysis of reactivity in the oxidation of substituted benzaldehydes by morpholinium chlorochromate,vol.86 september2009,927-935	IJC IJCS	2009			
(1)Oxidation of lower oxyacids by tetraethylammonium chlorochromate:A kinetic and mechanistic study, vol.49A ,March2010,302-306 (2) Oxidation of aliphatic aldehydes by Tetraethylammonium chlorochromate;AKinetic and mechanistic study	IJC PRK M	2010			
(1)Kinetic and mechanistic studies in the oxidative regeneration of carbonyl compounds from oximes by imidazolium fluorochromate,vol.2 May-July2012,1271-1280 (2)Oxidation of some unsaturated acids by quolinium fluorochromate:A kinetic and mechanistic study,10(3)2012,1735-1747 (3)Effect of sugarcane waste on soil properties of coal flyash affected land in cultivation of Lycopersicon esculentum,4(3)2012,1505-1510	JCBPS IJCS JCPR	2012			

Kinetic and mechanistic studies in the oxidative regeneration of carbonyl compounds from oximes by bis[dipyridinsilver(1)]dichromate,823-828	European Chemical Bulletin	2014			

8. Research Projects:

Title of the Project	Year	Name of funding agency	Fund available/ utilized	Present status
Correlation analysis of reactivity in oxidation of organic compounds F No.:4S-04/2005-06(MRP/CRO)302043 Date 07/02/2006	2006	UGC	60000	Complete
Oxidation of organic compounds by halogen and their compounds F No.:4/54(2)2001/(MRP/CRO) Date 07/03/2001	2001	UGC	20000	Complete

9. Research Supervision:

- Basic Field of Specialization: Chemistry

❖ Ph.D.

Name of Student	Title of thesis	Present status	Date and Year of Award, if so
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Sunita Bansal	Kinetics and mechanism of organic compounds by halogen and their compounds	Awarded	2010
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❖ M.Phil. NA

Name of Student	Title of Dissertation	Present status	Date and Year of Award, if so
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10. Monograph/ Book / Chapter (in Edited Book)/Chapters in study material of Open universities

• **Book (Single Author) NA**

Title of Book	ISBN/ ISSN No.	Publisher with Place	Year of Publication

• **Chapter(s) in Book (Edited /multi-author)**

Title of Chapter	Authors / Editors	Name of the Book with ISBN/ ISSN No.	Publisher with Place	Year of Publication
Biology of complexes of ruthenium(II) mixed halides, 112-130	Auther	Biodiversity and Development; Challenges of 21 st Century 978-93-89703-08-5	UPCST, Lacknow	2020
Role of renewable energy for sustainable development, 224-230	Auther	Environment and Society 978-81-931262-3-3	GESA	2020

13 Sports Activities:

14 Extra Curricular Activities:

15. Any Other Relevant Information/Contributions

2.
