



## Faculty Profile



1. Name: **Dr. ARUN PAREEK**
2. Designation: **ASSOCIATE PROFESSOR**
3. Department: **CHEMISTRY**
4. Educational Qualification:

Level	Name of University/Board	Year	Title/ Remark/ Medal
P.G.	J.N.V UNIVERSITY JODHPUR	1993	Organic Chemistry Second position in University
Ph.D.	J.N.V UNIVERSITY JODHPUR	1995	Mechanistic studies of oxidants with phase transfer groups.
Other	NET, SLET, GATE	1995	GATE with all India rank 262.

### 5. Experience: Teaching / Research

UG	24 Years	PG	22.5 Years	Research	11 Years
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- I. *Membership (Academic Bodies/ Research societies):* BOS (COC) Applied Chemistry, MDS. University, Ajmer.
- II. Adjunct faculty at Algae Biofuel and Biomolecules centre of MDS. University, Ajmer .
- III. Member of ISLS, Indian Society for Life Sciences.
- IV. BOS ,Sophia Girls College, Ajmer
- V. **BOS, Chemistry**, , MDS. University, Ajmer.

### 6. M.O.O.C (Developed by Faculty):

Awards Received: Association of Kineticists Award (1995) for the paper no.CDRM-37 presented in the Chemical Dynamics & Reaction Mechanism section during the Convention of Chemists 1995, held at Jaipur during December 26-29, 1995.



## 7. Academic Courses Attended:

Course	Place	Sponsoring Agency	Duration
<b>Orientation Course</b>	J.N.V University, Jodhpur.	UGC	17.7.2000 to 12.8.2000
<b>Refresher</b>	M.D.S. University , Ajmer.	UGC	7.11.2002 to 27.11.2002 9.3.2004 to 29.3.2004
<i>Other(Workshop/ Summer School/ Camp etc.)</i> <b>Computer Training Course for College Teachers</b>	University of Rajasthan	UGC	3.3.97 to 15.3.97
<b>Workshop on Microbial Diversity and Desert Microbiology</b>	M.D.S. University , Ajmer.	Ministry of Environment and Forests, Government of India	8-10 Feb.2007.
<b>Computer Training Programme</b>	Government College Ajmer.	Commissionarte College Education, Rajasthan, Jaipur	12.1.2010 to 19.1.2010
<b>Workshop on Eco-friendly Pollution Free Industrialization</b>	Chaudhary Charan Singh University, Meerut.	Scientific and Technical Vocabulary Bureau HRD ministry New Delhi	29 & 30 Jan.2010

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Youth and Self Employment workshop of N.S.S	Government College Ajmer.	Commissionarte College Education,Rajasthan,Jaipur	20 & 21 Feb.2010.
Workshop on Management Development and Faculty Development Programme	Government College Ajmer.	Centre of Excellence (Model Colleges)	30 Nov.2010
Camp as Subject Expert	RPSC Ajmer	RPSC Ajmer	16.7.13 to 26.7.13
Workshop and Training Programme	Government College Ajmer.	Spoken Tutorial,IIT Mumbai and Directorate College Education.	8 Jan.2014
Workshop on Development of Design and Prototype of Low – Cost Experiments in Chemistry	RIE, NCERT, Ajmer.	NCERT	23.6.14 to 27.6.2014
Workshop on Review and Development of Microscale Chemistry Kit at Higher Secondary Stage	NCERT New Delhi	NCERT	21.7.14 to 25.7.14
Workshop on Achieving excellence through E-Governance in Higher Education by	Government College Ajmer.	Centre for Excellence.(Model College)	16.2.15

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Centre for Excellence.(Model College)			
Workshop on Development of Hindi version of Manual of Upper Primary Science Kit and Secondary Science Kit	NCERT New Delhi	NCERT	26.10.15 to 29.10.15
<b>Online F.D.P (Faculty Development Programme)</b>	Mahatma Gandhi National Council of Rural Education ,Department of Higher Education.MHRD, Government of India.	Pandit Madan Mohan Malviya National Mission on Teachers and Training	27.5.2020 to 31.5.2020

### 8. Seminar/ Conference :

Name of Symposium/ Seminar/Conference	Internat./ National/ Regional	Organized by	Title of Paper presented	Year
Thirty second Annual Convention of Chemists	National	Presented	Kinetics and Mechanism.....	1995
Symposium	National	Presented	Electron transfer reactions.....	1995
National Symposium on Chemistry in the next century	National	Presented	Kinetics and Mechanism.....	1999
Third International Conference on Council of Surface Science and Catalysis	International	Attended		2003

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National Level Seminar on Portable Water by office of the senior chemist, P.H.E.D Laboratory	National	Attended		2003
National Conference on Environmental Vocabulary in Present Perspective	National	Attended		2007
National Seminar on Environmental Challenges	National	Attended		2010
N.S.S. conference	National	Attended		2010
International Conference on Multidisciplinary Approaches to Diabetes Research and Health	International	Poster presentation		2010
National Conference in on Management & Accountability Higher Education	National	Attended		2011
International Conference on Green Chemistry	International	Poster presentation		2011
Natoinal Seminar Chemistry of Primates: Green Chemistry	National	Poster presentation		2012
Multibrand FDI in Organized Retail in India	National	Attended		2012



Climate Changes and Biodiversity	National	Attended		2013
Innovative Teaching Methodology for 2D NMR Spectroscopy	National	Attended		2013
Conference on Human Resource Development in South Asia	International	Attended		2013
Technical Terminology in Science by Commission for Scientific and Technical Terminology.	National	Attended		2014
National Symposium on Green Economy & Harnessing Natural Products for Sustainable Development.		Poster presentation		2014
Recent Innovations in Technical Terminology and Biodiversity	National	Attended		2015
National Conference on Green Chemistry and Sustainable Technologies for Society 2016	National	Penal Member		2016
National Seminar on Scientific and Technical Terminology in Environment and Chemical Sciences	National	Attended		2016
National Seminar on Scientific and Technical Terminology in Environment Science	National	Attended		2016
National Conference on Environmental Challenges, Human Health and Society	National	Poster presentation		2016
Lecture-Demonstration	National	Attended		2017

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Workshop				
Orientation Programme For Academic Counsellors, IGNOU	National	Attended		2018
Workshop on Intellectual Property Rights	National	Attended		2018
Study on Difficulties in Learning Chemistry among Prospective Teachers of B.Sc. B.Ed. Workshop	National	Resource Person		2018
Study on Difficulties in Learning Chemistry among Prospective Teachers of B.Sc. B.Ed. Workshop	National	Resource Person		2019
Gandhi: The Eternal Truth Relevance For Future Generations	International	SPC Govt. College Ajmer		2019
COVID-19 The issues and challenges before higher education	National	MDS University, Ajmer		2020
The Role of Education in Women Empowerment and Gender Sensitization	Webinar	Govt. Women Engineering College, Ajmer		2020

## 9. Organizing Sec./Convener of conference/seminar/webinar :

Conference/Seminar Title	Year

## 10. Resource Person:

In training Programme	Study on Difficulties in Learning Chemistry among Prospective Teachers of B.Sc. B.Ed. Workshop 2018
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	Study on Difficulties in Learning Chemistry among Prospective Teachers of B.Sc. B.Ed. Workshop 2019
In conferences/Seminars (Chair/Co-Chair/of Session)	

## 11. Research Publications

Title of Paper	Name of Journal with Impact factor & ISSN No.	Volume and No. with Year	Citation Index	Impact Factor	Google Index
Correlation analysis of reactivity in the oxidation of substituted benzyl alcohols by pyridinium bromochromate	<i>Indian J. Chem</i> 0.617	<b>(34B)</b> ,1995,968-74			
Kinetics and mechanism of oxidation of aliphatic primary alcohols by hexamethylene tetraminebromine.	<i>Indian J. Chem</i> 0.617	<b>(35B)</b> ,1996,970-72			
Kinetics and mechanism of oxidation of some $\alpha$ -amino acids by ethyl-N-chlorocarbamate.	<i>Indian J. Chem</i> 0.617	<b>(35A)</b> ,1996,116-20			
Kinetics and mechanism of oxidation of aliphatic aldehydes by	<i>Kinet. Catal. Lett</i> 0.56	<b>(60)</b> ,1997,127-30	3		





hexamethylene tetraminebromine.					
Synthesis of some biologically active benzothiazole derivatives.	<i>Der Pharma Chemica</i>	<b>2(5)</b> ,2010,281-93.	<b>7</b>		
Synthesis of some biologically important 2-thiobarbituric acid derivatives incorporating benzothiazole moiety.	<i>Der Pharmacia Lettre</i>	<b>2(4)</b> ,2010,274-83.	<b>1</b>		
Rapid synthesis of some medicinally important hexahydro-S-triazine derivatives incorporating benzothiazole moiety.	<i>Main Group Chemistry.</i>	<b>(9)</b> ,2010,1-9. 1.0	<b>6</b>		
Synthesis and antibacterial activity of 1-(2-diazo-6-ethoxybenzothiazolyl) substituted benzene derivatives.	<i>IJCC.</i>	<b>1(3)</b> ,2010,279-83.			
Synthesis of some bioactive 4-thiazolidine derivatives incorporating benzothiazole moiety.	<i>Der Chemica Sincia</i>	<b>1(3)</b> ,2010,22-35 0.751	<b>13</b>		
Synthesis of some new	<i>Bull.Korean</i>	<b>32(1).</b> 2011.	<b>11</b>		



biologically active benzothiazole derivatives containing benzimidazole and imidazoline moieties.	<i>Chem. Soc.</i>	132-136 <b>0.936</b>			
Synthesis and biological evaluation of 4-thiazolidinone derivatives incorporating benzothiazole moiety.	<i>Der Pharmacia Sinica</i>	<b>2(1)</b> ,2011,170-181.	<b>14</b>		
Synthesis and Biological evaluation of substituted 3-(Benzothiazolyl)1,3-thiazolidone-4-ones.	<i>International Journal of Pharmacy and Pharmaceutical Sciences</i>	<b>6(4)</b> ,2014,448-455			
Antibacterial and Entomological Screening of Some Synthesised 2-Thiobarbituric Acid Derivatives Incorporating benzothiazole moiety.	Proceedings of NCGCSTS 2016	2016,24-29			
Eco-friendly Synthesis of Silver oxide Nanoparticles and their Medical Applications.	Proceedings of DAE- BRNS ISBN No.81-88513-88-1	ISMIC-2018			
Antifungal Activity of Synthesized	Asian Journal of Chemistry	31(8) 2019,1885-			



Benzothiazole Derivatives Using Structure Activity Relationship .		1888			
Antibacterial activity and Greener Method of Synthesis of Heterocyclic Compounds incorporating Benzothiazole moiety using Ionic Liquid as Solvent.	Rasyan Journal of Chemistry	12 (3),2019,1294-1297			
Anti Cancer potential of green synthesized silver nanoparticles.	AIP Conference Proceedings	2220,020046 2020			
Study of antimicrobial activities of green synthesized silver nanoparticles.	J.Indian Chem.Soc.	(97),2020,455-459			

## 12. Research Projects:

Title of the Project	Year	Name of funding agency	Fund available/ utilized	Present status
Synthesis of some novel heterocyclic compound which contain Benzimidazole and Imidazolidine moiety.	2009	UGC Bhopal	130000	Completed

## 13. Research Supervision:

- **Basic Field of specialization:** : Organic Chemistry, Organic synthesis and applications.

❖ Ph.D.

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Name of Student	Title of thesis	Present status	Date and Year of Award, if so
1.Manish Chaudhary	Study on some novel amino benzimidazole and amino imidazolidine derivatives.	Awarded	2011
2.Deepak Pareek	Synthesis of some biologically important barbiturates and thiazolidinone derivatives containing benzothiazole moiety.	Awarded	2011
3.Madhu Toshniwal	Microwave assisted synthesis of some heterocyclic compounds containing Nitrogen and Sulphur and their pharmacological activities.	Submitted	
4.Mahendra Singh	Synthesis and study of some biologically important 2-amino benzothiazole derivatives containing acetanilide moiety.	Pursuing	
5.Poonam Daga	Under consideration	Pursuing	
6.Sangeeta Rathore	Under consideration	Pursuing	
7.Mohsin Khan	Synthesis and study of some biological importance of 2-mercapto benzothiazole derivatives containing acetanilide moiety.	Pursuing	



Name of Student	Title of Dissertation	Present status	Date and Year of Award, if so
1. Anuja Khed	Synthesis and study of Azo dyes of 2-Amino-6-ethoxy benzothiazole	Awarded	2009

#### 14. Monograph/ Book / Chapter (in Edited Book)/Chapters in study material of Open universities

- **Book (Single Author)**

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
Equilibrium	Prof.C.K.Ojha	Chemistry Pt.I	RBSE	2004
Organic Groups Containing Oxygen Compounds with Functional Chemical	Prof.C.K.Ojha	Chemistry Pt.II	RBSE	2004
Solid State		Rasayan Bhag-I ISBN 81-7450-732-9	NCERT, New Delhi	2011
Polymer		Rasayan Bhag-II ISBN 81-7450-758-2	NCERT, New Delhi	2011

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Exemplar Problem		Science	NCERT, New Delhi	2011
Hydrocarbon	Dr.K.K Sharma	Chemistry	VMOU,Kota	2011
Organic Chemistry BSc. Part 1	Dr. V.K. GOYAL Dr. Alok Chaturvedi	Organic chemistry	CBH ,Jaipur	2020

### 13 Sports Activities:

### 14 Extra Curricular Activities:

1. Worked as Rover Leader in Scouts.
2. Worked as Programme Officer in NSS.
3. Worked as District Coordinator in NSS for AJMER district.
4. Organized District Youth Parliament 2019 in NSS.
5. Organized District Level Competitions in NSS like Quiz, Essay and Lectures.
6. National Integration Camp of Ten NSS Volunteers was taken to Kokrajhar, Assam in 2020.

### 15. Any Other Relevant Information/Contributions

#### **SCHOLARSHIP AND FELLOWSHIPS :**

1. J.N.V. University research scholarship during the session 1994-95.
2. Worked as project fellow under DRS UGC project from Jan. 94 to Dec. 94 at J.N.V. University Jodhpur.
3. Joined as J.R.F. in a C.S.I.R. project of Chemical Kinetics in 1995 at J.N.V. University Jodhpur.

#### **RESOURCE PERSON**

As resource person to deliver lecture at Teachers Training College, Ajmer.  
As resource person and reviewer of text books in NCERT, New Delhi.

As resource person in Development of Design and Prototype of Low cost Experiments in Chemistry, RIE, Ajmer and NCERT, New Delhi.

As resource person in Development of Hindi Versions of Manual of Upper Primary Science Kit and Secondary Science Kit at NCERT, New Delhi.

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As resource person in Chemistry in Content Enrichment Programme in Chemistry for PGT of Jawahar Navodaya Vidyalaya at RIE , Ajmer.

Delivered lecture on Lipid Extraction and Conversion to Biodiesel, in Workshop on Algae Cultivation and Biofuel Production, at MDS. University Ajmer.

## **SUBJECT EXPERT**

As subject expert at Rajasthan recruiting body. RPSC

As subject expert at Board of School Education Haryana.

In selection committee for appointment of teachers at DAV College , Ajmer.

In selection Panel for selection of teachers at DAV Centenary Public School , Jaipur.

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