


Gauri Devi Govt. College For Women, Alwar (Rajasthan)

Faculty Profile

Name (As per Service Record)	Dr. Madhu Sharma		
Designation	Associate Professor		
Subject	Chemistry		
Date of Appointment	31-12-1998		
Type of Appointment	RPSC	Date of Joining Present Office	18/07/03
Mobile	9462470987	WhatsApp Number	9462470987
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Educational Qualifications

Name		Subject/Topic	Year	Name of Institute	Remarks
PG	Master of Science	Chemistry	1989	Govt. R. R. (PG) Autonomous College, Alwar	
NET					
SET/SLET					

M.Phil.						
Ph.D	Chemistry	1992	University of Rajasthan, Jaipur			
PDRF						
Other						
Research Supervisor				Yes/ No	No	
Number of Students Registered	Number of Ph.D Submitted	Number of Ph.D Awarded				
Have You Been A Resource Person				Yes/ No	No	
Name of the Institute	Place	Year	Topic			
Orientation/Refresher/Short Term/Work Shop/Any other Training Programme						
Name	Date		Topic/ Subject	Name of Institute	Place	Online/ Offline
	Start	End				
Refresher Course	18/09/2006	07/10/2006	Environmental	UGC, University of Rajasthan, Jaipur	Jaipur	Offline

Refresher Course	01/02/2008	21/02/2008	Chemistry	UGC, University of Rajasthan, Jaipur	Jaipur	Offline
Refresher Course	11/08/2008	30/08/2008	Chemistry	UGC, M.D.S, Ajmer	Ajmer	Offline
Awards/Fellowship						
Name	Subject/Topic	Year	Name of Institute/Authority		Remarks	
Research Projects						
Name	Subject/Topic	Year	Name of Sponsoring Institute/Organisation		Remarks	
Publications						
Books						
SN	Subject/Topic	Year	AuthOr/ Co-authOr	ISBN	Name of Publication	
1	Chemistry Practical Book B.Sc. Pt II	2017	Co-author	978-81-927075-3-2	Mona Prakashan	
2	Chemistry Practical Book B.Sc. Pt III	2018	Co-author	978-81-927075-7-0	Mona Prakashan	

3	Organic Chemistry B.Sc. Pt I	2018	Co-author	978-81-927075-6-3	Mona Prakashan
4	Chemistry Practical Book B.Sc. Pt I	2017	Co-author		Mona Prakashan

Chapters in Edited Books

SN	Subject/Topic	Year	ISBN	Name of Publication

Research Paper

SN	Subject/Topic	Year	ISBN/ISSN	Name of Journal
1	Kinetics and Mechanism of Oxidation Hydroxyl Amine by Peroxomonosulphate	1992		Int. J. Chem. Kinet.
2	Kinetics of Oxidation of Nitrite by Peroxomonosulphate	1992		Indian J. Chem.
3	Kinetics and Mechanism of Oxidation of Hyrdazinium ion by Peroxomonosulphate in Per Chloric Acid Solution	1993		Indian J. Chem.
4	Role of Surface and Leached metal ion catalysis in autoxidation of S (IV) in power plant flyash suspensions	1993		Atmos. Environ.
5	Rates of autoxidation of S(IV) in aqueous suspensions of limestone powder	1992		Indian J. Chem. Technol.

6	Kinetics of the oxidation of aqueous sulphur dioxide by lead dioxide in aqueous suspensions	1995		Indian J. Environ. Prot.
7	Autoxidation of Sulphur dioxide in aqueous flyash suspensions	1995		J. D. Environ. Sci. & Health Part A
8	Kinetics and Mechanism of Copper (II) Catalysed autoxidation of aqueous sulphur dioxide in acetate buffers.	1995		Indian J. Chem.
9	Kinetics of Metal catalysed atmospheric autoxidation of aqueous sulphur dioxide	1996		National Symposium of Kinetics and Catalysis
10	Autoxidation of Sulphur dioxide in suspension of mineral and rocks, precipitation scavenging and atmospheric surface exchange processes	1992		S.E. Schwartz and W.G.N Slinn (Eds.), Hemisphere, New York
11	Role of Cuprous Oxide in the autoxidation of aqueous sulphur dioxide and its atmospheric implication	1999		Atmospheric Environ.
12	Kinetics of the peroxomonosulphate oxidation of sulphur (II) compounds : Thioacetamide dithiooxamide and thiouria	2010		J. Indian Chem. Soc
13	Influence of inert filter on cementing properties of magnesium oxychloride cement (MOC) - ecofriendly cement	2013	2249555X	Indian Journal of Applied Research

14	The effect of MgCl ₂ solution density on phases in magnesia cement paste	2013	2249555X	Indian Journal of Applied Research
15	Effect of MgCl ₂ solution (Gauging Solution) density and temperature of compressive strength of Magnesia cement (MOC)	2014	2249555X	Indian Journal of Applied Research
16	Effect of fluoride on plant and their mechanism	2017	2456-7736	Journal of innovative research in clinical and medical sciences
17	Synthesis of OrthoAlkyl (aryl) Tri-thiophosphates of lanthenum	2018	2456-7736	Journal of innovative research in clinical and medical sciences

Seminar/Conference/Webinar

Description	Type	Year	Name of Institute/Organisation	Title/Subject/Topic of Seminar/Conference/Webinar	Participation/Title of Paper Presented
Conference	National	2009	Government Lohia P.G. College, Churu	Recent trends in Chemical Sciences	Participation
Conference	International	2009	IET BioTechnology Institute, Alwar	Recent Developments, future prospects and enterpreneurial trends in biotechnology	General Account of Ortho, Ortho-dialkyl and alkaline di thio phosphate legends
Conference	National	2011	Govt. R. R. PG Autonomous College, Alwar	Green Chemistry - Safer Chemistry	Green Chemistry Principles

Conference	National	2011	Govt. Arts College, Alwar	Environmental degradation : Issues and Challenges	The Greenhouse Effect and Climate Change
Conference	National	2012	G. D. College Alwar	Matsya Kshetra ka Sahityak Sanskriti Aur Itihasik Parishilan	Cultural aspects of Matsya Region
Conference	National	2013	Dept of Chemistry, University of Rajasthan, Jaipur	Chemistry of Economic Growth and Human Comforts	The role of thermal power plant flyash in acid rain
Conference	National	2014	Sunrise University Alwar	Current Research in emerging trends of management, arts, science, technology	Kinetics of PMS oxidation of sulphur (II) compounds
Conference	National	2015	MSJ Govt. College, Bharatpur	Environmental Pollution, health hazards and prevention	Floride and Florosys
Conference	National	2017	Govt. R. R. PG Autonomous College, Alwar	Ground Water quality, water conservation, management and technology	Water conservation by rational use of ground water
Conference	International	2017	IAARHIES (held in Jaipur)	Physical and Life Sciences - ICPLS	The chemical properties of the artificial organic tissues
Conference	International	2017	IAARHIES (held in New Delhi)	Physical and Life Sciences - ICPLS	Bio conjugate in chemical biology

Conference	International	2018	R. R. College Alwar	Innovation and Strategies in trans discipline to phase the integrated development and environmental challenges	Tetraphenyl phosphonium and arsonium salt of alkaline dithiophosphato moieties
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Any Other Academic Achievements						
Name	Date		Topic/ Subject	Name of Institute	Place	Online/ Offline
	Start	End				
Gyan Ganga	15/02/2021	20/02/2021	Innovative for teaching learning excellence in Chemistry	Govt College, Sirohi	Sirohi	Online
Rajasthan State Certificate in Information Technology (RS-CIT)	Oct-09		Computer Training	Vardhman Mahavir Open University	Kota	Online