

Sw.P.N.K.S. GOVT. P.G. COLLEGE, DAUSA(RAJ.)

FACULTY PROFILE



Name	:Dr. Neha Mathur	
Designation	: Associate – Professor	
Department	:Chemistry, College – Education Jaipu	r (Raj.)
Date of Birth	:27 - 06 - 1969	

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Date of Joining in College Education:08 – 02 – 1992

Date of Joining in Present College : 28 – 09 – 2018

Educational Qualification

Level	Name of University	Year	Title/Remarks/Medal
P.G.	M.D.S. University, Ajmer	1989	First
M.Phil.			
Ph.D.	M.D.S. University, Ajmer	1994	Studies in the Chemistry of Some Heterocyclic Compounds"
Other			

Experience : Teaching/ Research

UG29 YearsPG28 YearsResearch32 Years

Membership (Academic Bodies)

1. Life member of Asia – Pacific Chemical, Biological and Environmental Engineering SocietyAPCBEES 2011.

- 2. Life member of Medicinal and Aromatic Plants Association of India, ANAND GUJRAT 29/10/10.
- Life Member of Indian Chemical Society Kolkata (India), F/6254(LM) (2003).
- 4. Member of Research J. of Chemistry and Environment, Indore A/07III/1472 for 2007-08.
- 5. Member of Asian J. of Chemistry, Sahibabad- 2007-08.
- 6. On Line membership for Tenside Surf. Detergent Germany.
- 7. Fellow contributor of ISCA (International Science Community Association) Indore MP.

Awards Received:

Academic Courses Attended (Orientation/Refresher Courses):-

Course	Place	Sponsoring Agency	Duration
Orientation Course	Jaipur	A. S. C. University Raj. Jaipur	27 Days
Refreshers Course	Delhi	C. P. D. H. E. University of Delhi	3 Weeks
Refresher Course	Ajmer	A. S. C. M.D.S.University. Ajmer	21 Days
Refresher Course	Ajmer	A. S. C. M.D.S.University. Ajmer	21 Days

Organizing Sec./Convener of Conference/Seminar/Webinar:-

Research Publications:-

Journal e and n Index t e No. Factor Index with With With	Title of Paper	Name of Journal	Volum e and No. with	Citatio n Index	Impac t Factor	Googl e Index
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Synthesis of some new diarylamino-p-	Oriental J.	7(4)	0.561
into 1 4-benzovazin-2 3-b-	Chem.	1991	
nho 1,4-ocnzozazin-2,5-o-			
A convenient synthesis of 2-amino-3	Die Pharmazie	H – 12	1.266
methoxy-5-nitrobezenethiol and its		1991	
conversion into 1,4-benzothiazines.			
A simple one step synthesis of	Oriental J.	7(3)	0.561
substituted 4H-1,4-benzothiazines and	Chem.	1991	
their IR and NMR spectral studies.			
Thin layer Chromatographic studies of	Asian J. Of	4	0.54
some substituted 4H-1,4-	Chem	1992	
benzothiazines			
Synthesis of substituted 3,5- dimethyl-	Die Pharmazie	H - 11	1.266
5-nitro-4H-1,4-benzothiazines and		1992	
their oxidation behaviour			
Spectrophotometric determination of	J. Indian	8(2)	0.233
cobalt(II) after separation by	Council Of	1992	
coprecipitation of its 5-methoxy-2,(3-	Chemist		
methoxybenzoyl)-3-methyl-/-nitro-4H-			
1,4 benzoumazine complex with			
A single step synthesis of substituted	Asian I Of	5(3)	0.54
3 7-dimethyl-5-nitro-4H-1 4	Chem	1993	0.54
benzothiazines	Chem.	1775	
Simple and convenient synthesis of	J. Indian	9(2)	
unsymmetrical Triphenodioxazines.	Council Of	1993	
	Chemist		
A convenient synthesis of 1,2,4-	Asian J.	5(1)	0.54
Trihalophenothiazine-3-ones and their	Chem.	1993	
conversion into 1,4-benzothiazino-(2,3-			
b)-phenothiazines.			
Synthesis of unsymmetrical 1,4-	Oriental J.	9(3)	0.561
benzoxazino (2,3-b) phenoxazines	Chem.	1993	
Physical Properties of metal	Asian Journal	21(1)	3.698
complexes of N donor ligands with	of Chemistry	2009	
copper (II) soap in binary solvent			
mixtures.	T 1 0 0	16(1)	
ViscometricBenaviour and	Tenside Surf.	46(1)	1.23
micenization of complexes	Detergents	2013	
beterocyclic dyos			
Study of CI SI-M44-A Disk Diffusion	Tenside Surf	48(1)	1 22
Method for determining the	Detergents	2013	1.25
Susceptibility of Candida	Detergents	2015	
Species against Novel Complexes			
derived from copper stearate with 2-			
amonobenzothiazole.			
Studies of solute solvent interactions	Journal of	1(1)	1.3

and applications of green and blue complexes of copper (II) palmitate with 2-amino benzothiazoles.	Current Chemical and Pharmaceutica 1 Sciences	2011		
Thermal Behavior of Medicinal Binuclear ComplexesDerived from Aromatic ligands.	International Journal of Pharma scholars	1(2) 2012	4.85	
Antifungal Screening and Oxidation Behavior of someMicrowave Assisted Benzothiazine Drugs.	International Journal of Chemical Sciences	12(2) 2014	1.6	
Biological Activities of some new Environmentally safe2- Aminobenzothiazole Complexes of Cu(II) derivedunder Microwave Irradiation.	International Archive of Applied Sciences and Technology	5(1) 2014	3.95	
ViscometricBehaviour and Miceller Studies of someBiodegradable Organometallic Complexes in BinarySolvent System.	Research Journal of Pharmaceutica l, Biological and Chemical Sciences	5(2) 2014	0.35	
Thermogravimetric Analysis of Microwave AssistedNovel Macromolecular Complexes of Metal Surfactants.	Journal of Applicable Chemistry	3(2) 2014	1.7	
Interpretation of relationship between density and Micellization of Copper(II) Soap Complexes in Binary Solvent Mixture.	International Journal of Current Research In Life Sciences	3(12) 2014	5.379	
Solute-SolventInteractionsandMicellarBehaviourofComplexesofCU(II)StearatewithSubstitutedPhenylthioureaand2-AminoBenzothiazoles	Indo American Journal of Pharmaceutica l Research	4(4) 2014	4.587	
Estimation of some Physico-Chemical Parameters of Novel Heterocyclics in Binary Solvent System.	Journal of Current Chemical & Pharmaceutica 1 Sciences	5(1) 2015	5.141	
A Facile Synthesis and Biological Evaluation of Some Macrocyclic Copper Complexes.	A Facile Synthesis and Biological Evaluation of Some Macrocyclic Copper Complexes.	6(6) 2015	1.230	

Viscometric Evaluation of Azole Derivatives in Non-Aqueous Solvent System.	Chemical Science Reviews and	4(13) 2015	6.748
	Letters		
Physico-Chemical approach to	Ascent	1(3)	2.14
investigate micellization of some	International	2015	
environmentally safe 2-amino	Journal for		
benzothiazole complexes.	Research		
Nevel Courselance of Matel Courfe deside	Analysis	02	0.25
Novel Complexes of Metal Surfactants	Journal of The	92	0.25
with substituted Phenyithiourea and	Indian	2015	
their thermo gravimetric Properties.	Chemical		
Micellar studies of some new	Accent	3(1)	2.14
Riomodical agents in propagal hanzana	International	3(1) 2015	2.14
Biomedical agents in propanoi benzene	International	2013	
system	Pasaarah		
	Analysis		
Studies of solute-solvent interactions	Moroccan	4(1)	0.48
and miceller behavior of complexes of	Journal of	$\frac{4(1)}{2016}$	0.48
copper (II) palmitate with substituted	Chemistry	2010	
phenylthiourea and 2-amino	Chemistry		
benzothiazole in methanol-benzene			
mixture			
DNA- Binding and Cleavage studies of	Chemical	5(1)	0.980
Macrocyclic Metal Complexes	Science	2016	0.000
containing Hetero-Atomic Ligands.	Transactions	2010	
Synthesis Characterization and plant	World Journal	5(11)	7.632
growth regulatory activity of metal-	of Pharmacy	2016	
complexes and some bioactive ligands.	and		
	Pharmaceutica		
	1		
Advances in the Research of Novel N/S	Journal of	10(8)	3.149
containing metal complexes as potent	applied	2017	
antioxidants	Chemistry		
Surface Active Properties of Some	Journal of	7(3)	1.933
Bioactive Azole Series Complexes of	Chemical,	2017	
Copper in Binary Solvent Mixture.	Biological and		
	Physical		
	Sciences		
A Comparative Antibacterial Analysis	International	7(1)	1.912
of Substituted Benzothiazole and	Journal of	2018	
Substituted Phenylthiourea Complexes	Green and		
with copper Metal.	Herbal		
	Chemistry	(2)	
IGA Analysis of Transition Metal	International	b(3)	6.60
Complexes Derived from	Journal of	2018	
Phenothiazine Ligands.	Engineering &		
	Decement		
	Kesearch		

uation of novel N/S containing procyclic Metal Complexes as ogicallyPotent Agents.	Research Journal of Chemical Sciences	8(4) 2018	1.727
uation of antioxidant – potential of macologically ificantComplexesderived from per actantswithsubstitutedBenzothiazol	International Journal of Engineering & Scientific Research	5 2018	1.7
ies of Nickel Phenothiazine Oleate iologically Potent Agent	Journal of Applicable Chemistry	7(5) 2018	2.89
idal Activities of Substituted zothiazole of Copper Surfactants <i>Candida albicans&Trichoderma</i> <i>iamunon</i> on Muller Hilton Agar.	Open Pharmaceutica l Science Journal	5 2018	2.89
hesis, characterization and ogical analysis of some novel plexes of phenyl thiourea vatives with copper.	Open Chemistry Journal	5 2018	1.912
r well diffusion testing of bacterial fungal susceptibility of copper te complex with substituted zothiazole.	International Journal of Green and Herbal Chemistry	8(3) 2019	2.89
tionship between Viscosity and ellization of Fused Chelates of zine Drugs in Different Chemical positions.	Bentham Science Publisher	9(3) 2019	4.89
tics and thermodynamics of mal degradation and antimicrobial vity of zinc phenothiazine oleate plex.	Bulletin of Pure & Applied Sciences- Chemistry	38C(1) 2019	6.66
Candida albicans&Trichoderma iamunonon Muller Hilton Agar. hesis, characterization and ogical analysis of some novel plexes of phenyl thiourea vatives with copper. r well diffusion testing of bacterial fungal susceptibility of copper te complex with substituted zothiazole. ttionship between Viscosity and ellization of Fused Chelates of uzine Drugs in Different Chemical positions. etics and thermodynamics of mal degradation and antimicrobial vity of zinc phenothiazine oleate plex.	l Science Journal Open Chemistry Journal International Journal of Green and Herbal Chemistry Bentham Science Publisher Bulletin of Pure & Applied Sciences- Chemistry	5 2018 8(3) 2019 9(3) 2019 38C(1) 2019	

Research Projects :

Title of the Project	Year	Name of funding agency	Fund Available/Utilized	Present Status
Comparative miceller studies of Ca ⁺² and Mg ⁺² soaps etc	2002-04	U.G.C. Bhopal	Rs. 30,000	Completed
Biological and physical evaluation of novel complexes of metal	2008-09	U.G.C. Bhopal	Rs. 75,000	Completed

withheterocyclic dyes (including synthesis and spectral studies)		

Research Supervision:

Ph.D.

Name of	Title of thesis	Present	University	Date and
Student		Status		Year of
				Award, if so
Ms. Pooja	Physical and Biocidal	Awarded	M.D.S. University	07 - 08 - 2010
Saxena	Analysis of some novel Complexes of Copper with nitrogen		Ajmer	
	donorLigands			
Mr. Imran	Synthesis and Studies	Awarded	M.D.S. University	09 - 08 - 2010
Ahmed	of metal complexes		Ajmer	
	PossessingBiological			
	Significance			
Ms. Sonlata	Synthesis and Biocidal	Awarded	University of	14 - 11 - 2017
Bargotya	Characterization of some		Rajasthan, Jaipur	
	Antifungal agents of			
	Copper Surfactants with			
	Nitrogen and Sulphur			
	Donor Ligands			
Mrs. Nisha Jain	Synthesis and antifungal	Awarded	Suresh	04-02-2018
	studies of some binuclear		GyanViharUniversity,	
	metal complexes derived		Jaipur	
	from N donor ligands			
Mr. Biplab	Biological Studies &	Submitted at	University of	
Manna	thermal aspects of some	Feb. 2021	Rajasthan, Jaipur	
	Novel complexes of			
	Phenothiazine			
	&Triphenodithiazine with			
	Co, Ni & Zn			

Mr. Anil Shukla	Biocidal Studies and	Awarded	Carrier Point	Submitted
	PhysiochemicalApproach		University, Kota	
	and			
	SomeEnvironmentally			
	Safe Heterocyclic			
	Compounds			
Mr. Ashok K.	Microwave assisted some		University of	
Kasana	cu complexes with azole		Rajasthan, Jaipur	
	andazine ring compounds			
	and their biological			
	physicochemical			
	activities			
Ms.	Synthesis and impact of		Suresh GyanVihar	
RuchiMathur	some eco-friendly and		University, Jaipur	
	biodegradable antifungal			
	agents			
Mr.Surendra	Antimicrobial and	Synopsis	University of	
Sharma	thermal behavior of some	submitted	Rajasthan, Jaipur	
	environmental safe metal			
	complexes of thiazine			
	ring compounds			

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
Synthesis, Structure insight &	978-620-0-28280-4	LAP LAMBERT	2018
Biological Studies of Eco		Academic Publishing is a	
friendly Agents		trademark of: AV	
		Akademikerverlag GmbH	
		& Co. KG Heinrich-	
		Böcking-Str. 6-8,66121,	
		Saarbrücken, Germany.	
		www.lap-publishing.com	

Physico-chemical analysis of	978-613-8-34672-2	LAP LAMBERT	2017-18
environmentally safe	<i>y</i> to 013 0 5 1072 2	Academic Publishing is a	2017 10
complexes of copper		trademark of AV	
complexes of copper		Altedomiltorworkog CmbH	
		Akademikerverlag Gilloh	
		& Co. KG Heinrich-	
		Bocking-Str. 6-8,66121,	
		Saarbrücken, Germany.	
Antimicrobial & DNA	978-613-8-34627-2	LAP LAMBERT	
cleavage studies of		Academic Publishing is a	2017-18
heterocyclic metal complexes		trademark of: AV	
		Akademikerverlag GmbH	
		& Co. KG Heinrich-	
		Böcking-Str. 6-8,66121,	
		Saarbrücken, Germany.	
Synthesis of Hetero-cyclic	978-613-8-05861-8	LAP LAMBERT	2017-18
compounds for Bio-medical		Academic Publishing is a	
Applications		trademark of AV	
ripplications		Akademikerverlag GmbH	
		& Co KG Heinrich	
		Böcking Str 6 8 66121	
		Soorbrijelen Correction	
	070 02 04102 56 4	Saarbrucken, Germany.	2017 10
Revised Edition, BSc part II	978-93-84182-56-4	College Book House,	2017-18
Organic Chemistry (English		Chowda Rasta Jaipur	
edition)			
BSc part II organic chemistry	978-93-84182-56-4	College Book House, Chowda	2006
(English edition)		Rasta Jaipur	

Chapter in Book (Edited/Multi-Author)

Title of	Authors/	Name of the	Publisher	Year of
Chapter	Editors	Book with	with Place	Publication
		ISBN/ISSN No.		
Biocidal	Neha Mathur,	Metals Distribution	Discovery	2019
Analysis of New	Nisha Jain,	in Environment;978-	Publishing	
Ecofriendly	Arun Kumar	93-86841-91-9	House Pvt.	
Macro Cyclic	Sharma		Ltd., New	
Complexes of			Delhi (India)	
Long Chain				
Fatty Acid with				
Copper Metal				