



Faculty Profile

1. Name: Dr.V.UMA
2. Designation: PROFESSOR
3. Department: CHEMISTRY
4. Educational Qualification:



Level	Name of University/Board	Year	Title/ Remark/ Medal
Ph.D.	J.N.Vyas University, Jodhpur	1988	“Studies on trace elemental Analysis”
M.sc	Rajasthan University, Jaipur	1986	I Div, With 5 th Rank in Merit list

5. Experience: Teaching / Research

UG	32	PG	32	Research	25
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6. Membership (Academic Bodies/ Research societies):

1. Indian council of Chemists
2. SAMC, BARC

7. M.O.O.C (Developed by Faculty): nil

8. Awards Received: nil

9. Academic Courses Attended:

Course	Place	Sponsoring Agency	Duration
Orientation Course	ASC, JAIPUR	UGC	21.02.97- 21.03.97
Refresher	ASC, JODHPUR	UGC	07.03.1996- 26.03.96
	ASC, JODHPUR	UGC	09.03.2004- 29.03.2004
	ASC, JODHPUR	UGC	Nov 2005

Signature



Others (Workshop/ Summer School/ Camp etc.)	Microsoft office one week training	Microsoft	
Online F.D.P (Faculty Development Programme)			

10. Seminar/ Conference:

<i>Conference/seminar</i>	<i>Regional</i>	<i>Presented</i>	<i>Title of the paper</i>	<i>Year</i>
National symposium on new vistas in organic synthesis,	National	Attended	-----	20.11.2005
National seminar on recent advances in analytical chemistry	National	Presented	Extraction of metals from polluted soils by some ligands	29.11.2004-1.12.2004
National Seminar on Environmental pollution	National	Presented	Solvent extraction of La ions as acetate	21.12.2006-23.012.2006
International conference & Expo on botanical products	International	Presented	Extraction of heavy metals from plant extracts	25-27 March 2006
National Symposium on recent trends in chemical research	National	Presented	P 39	28-29 march 2005
National Conference on Regional planning & development	Regional	Presented	Trace elemental analysis of soils of arid zone	25-27oct2004
National seminar on Multi brand FDI in organized retail in India	National	Attended	--	01-02march 2012
National seminar on technical terminology in science	National	attended	---	12-13Aug 2014
National conference on urban growth, Environmental challenges in Rajasthan	National	Attended	-----	26-28 Oct.2015



Indian Chemical Society: Annual Convention of Chemists	National	Attended		28-30 Dec.2015
National Conference on Green Chemistry and Sustainable technologies for society 2016	National	Attended		11-12 Jan 2016
International Conference on Frontiers at the Chemistry – allied sciences interface	International	Presented	Extraction of heavy metals from waste water using silver nano Particles	22-23 JULY 2017
Novel Approaches and techniques in research methodology	national	Presented	Schiff base silver nano particle synthesis and characterization	29-30 nov 2016
Advances in Chemical sciences & technology	national	Presented	Schiff base anchored with Silver nano particles as an adsorbent for extraction of heavy	27-28 April 2018

11. Organizing Sec./Convener of conference/seminar/webinar:

Conference/Seminar Title	Year
Gyan ganga Online FDP in Chemistry(convener)	11.01-2021 to 16.012021

12. Resource Person:

In training Programme	
In conferences/Seminars (Chair/Co-Chair/of Session)	Chaired conference “green chemistry” at women Engg. college, Ajmer

13. Research Publications

	Title of the paper	Name of the journal	Vol.no .year of publication and page no.	Impact factor	Citation no.
1	“Solvent Extraction of Zinc (II),Cd(II) complexes of NPHN using Amyl Acetate”	Journal of Indian council of Chemists	Vol.7,No.1 1987,39-41		

Signature



2	“Extraction of zinc, copper, and lead from soils of arid region of Bikaner district by some ligands”	J.Indian soc.soil.Sciences	Vol.23,1987,112-115		
3	“Effect of different Extraction agents on metal and organic contaminants, removal from a field soil”	Annals of Arid Zone	23, 1987,47-51		
4	“Extraction and formation of Iron (III) Thiocyanate complex: Application for Spectrophotometric determination of Iron”	Journal of Indian Council of Chemists	Vol.8 No.2 1988,65-67		
5	“Extraction and formation of Iron (III) Thiocyanate complex: Application for Spectrophotometric determination of Iron”	Journal of Indian Council of Chemists	Vol.8 No.2 1988,65-67		
6	“Boron determination for soils and plants”	Indian J Ecol.	17(1) 1990,70-74		
7	“synthesis and structural studies of Palladium (II) complexes derived from Allyl amine and Vinyl aniline”	Inc. Chem.Sci	4(3) 2006,671-677		
8	“Coordination behavior and biological activity of unsymmetrical Bis Hydrazone towards Mn (II) ion”	Inc. Chem.Sci	6(2) ,2008,1050-1060	2.4	12
9	“Biologically active Co (II), Ni(II),Cu(II) and Mn(II) complexes of Schiff bases derived from allyl amine and Vinyl aniline”	Oriental Journal of Chemistry	Vol.24(3),2008,935-942		01
10	Biologically active Co(II),Ni(II),Cu(II) andMn(II)	Inc. of Chem Tech research	1(2) 2009,225-232	2.4	



	complexes of Schiff bases derived from vinyl aniline and Heterocyclic aldehydes”				
11	Antibacterial properties of Mn(II),,co(II),and Zn(II) complexes of Schiff bases derived from Trimethoprim“	Der Parma chemica	2(5),2010,329-336	0.45	
12	“Synthesis Spectroscopic and Cytotoxic studies of biologically active New Co(II),Ni(II),Cu(II) and Mn(II) complexes of Schiff bases of Hydrazones”	Der Pharma Sinica	1(3),2010,124-137	0.48	01
13	“potentiometric and thermodynamic studies of Schiff base hydrazone metal complexes”	Der chemical sinica	1(30),2010,146-156	0.48	
14	“Synthesis and spectral characterization of macrocyclic Schiff bases with Vanadium (V) complexes and their antibacterial properties”	International J. Of chem. Tech research	Voi.2(4),2010,2169-2172	2.4	10
15	“Synthesis of macrocyclic Schiff base Vanadium (V) complexes and their antibacterial properties”	Der Pharmica lettre	2(5) 2010,139-145		
16	“Antibacterial and Anti oxidant properties of Mn(II),,co(II),and Ni(II) complexes of Schiff bases derived from Cephalexin “	Research Journal of Pharmaceutical, biological and chemical Sciences	2(1) ,2011,60-70		
17	“Synthesis, chaterization and biological activies of Schiff base metal complexes of Co(II),Zn(II),Ni(II) and Mn(II) derived from Amoxicilline Trihydrate and various aldehydes”	International Journal of Pharma and biological sciences	Voi.2(1),2011,241-250		



18	"Synthesis and Biological properties of Mn(II),Co(II),Zn(II), and Ni(II) complexes derived from O,N,donor Schiff bases of sulphathiazole"	International Journal of Pharma and biological sciences	Voi.1(1),2011, 170-178		
19	"Synthesis ,characterization of Silver nanoparticles coated with Schiff base and their Antibacterial studies	IJSART	Vol4,issue 4,april 2018		
20	" Rapid extraction of cu(II) heavy metal from industrial waste water by using silver nano particles anchored with novel Schiff base"	Separation science and technology	10oct 2018	1.200	
21	"a new approach for extraction of heavy metals from industrial effluents by silver nano particles coated with 2 amino pyridine schiff base	Ijirset	Vol 6,issue 8,august 2017		
22	" synthesis and Characterization of 4(hydroxyl -2- methoxy benzylidene) -4- amino antipyrine Schiff base coated with silver nanoparticles for removal of heavy metals from industrial waste water"	IJSART	VOL 4,ISSUE 5,MAY 2018		



14. Research Projects:

<i>Title of the Project</i>	<i>Year</i>	<i>Name of funding agency</i>	<i>Fund available/ utilized</i>	<i>Present status</i>
"Synthesis and Pharmacological studies of novel boron Compounds"	2006	UGC	75000/-	SUBMITTED
"Solventless synthesis and pharmacological studies of Schiff base metal complexes derived from drug substances"	2009	UGC	115000/-	SUBMITTED

15. Research Supervision:

- **Basic Field of specialization: Organic synthesis**

❖ Ph.D.

Name of Student	Title of thesis	Present status	Date and Year of Award, if so
Ms.Pratibha Mittal	"Synthesis and physiochemical studies of transitional metal complexes with Schiff bases derived from unsaturated amines"	Awarded	2010
Ms.Vatsala Panwar	"Synthesis and biological studies of Schiff base metal complexes of drug substances"	Awarded	2013
Sunil Joshi	"Physiochemical and biological studies of Oxovanadium (IV & V) complexes with macrocyclic Schiff bases"	Awarded	2012
Ms.Preeti sharma	"Extraction of heavy metals From waste water using Schiff bases"	pursuing	2016
Ms.Swati Bhargava	"Extraction of heavy metals using Schiff base nano particles using biomass"	Pursuing	2016

❖ M. Phil.

Name of Student	Title of Dissertation	Present status	Date and Year of Award, if so
Ms.Dipti Vyas		awarded	2007
Ms.Vishaka Sharma		awarded	2007

Signature



Ms.Sugandha Sharma		Awarded	2008
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16. 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

13 Sports Activities: nil

14 Extra Curricular Activities: nil

15. Any Other Relevant Information/Contributions nil

Signature