



Faculty Profile



1. Name: Dr, Surendra Kumar Arora
2. Designation: Associate Professor
3. Department: Chemistry
4. Educational Qualification:

Level	Name of University/Board	Year	Title/ Remark/ Medal
<i>P.G.</i>	MDSU, Ajmer	1990	3rd position in university
<i>Ph.D.</i>	MDSU, Ajmer	1994	Studies on Metal Complexes of some substituted thioureas

5. Experience: Teaching / Research

UG	24	PG	23	Research	13
----	----	----	----	----------	----

6. Membership (Academic Bodies/ Research societies):

- Fellow of Indian Council of Chemist LF/1376

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

8. Awards Received:

Date	Award	Level	Organizing Institution	Position Secured
26/12/2012	D.G. Commendation Award	D.G. NCC	D.G. NCC New Delhi	Devotion in N.C.C. Naval Wing

9. Academic Courses Attended:

Course	Place	Sponsoring Agency	Duration
Orientation Course	JNVU Jodhpur	UGC	17-7-2000 to 12-8-2000
Refresher	MDSU, Ajmer	UGC	1-9-2001 to 21-9-2000
	MDSU, Ajmer	UGC	5-10-2005 to 25-10-2005

Signature



S.P.C.G.C., Ajmer

Others (Workshop/ Summer School/ Camp etc.)	New Delhi	NCERT	07-11-2016 to 11-11-2016
Online F.D.P (Faculty Development Programme)	-		

10. Seminar/ Conference :

Name of Seminar/ Conference	Internat./ National/ Regional	Attended/ Paper Presented	Title of Paper	Date
28th Annual Convention of Chemist	National	Attended	Acid dissociation constant of N- hydroxybenzamidines.	1991
Annual Conference of Society of Mycology and plant Pathology	National	Attended	Antifungal activity of some pyridyl thioureas and their metal chelates.	19 to 20-4- 1991
National Conference on Application Sulphur Compounds	National	Presented	Anti fungal activities of pyridyl thioureas and their metal chelates.	22 to 24-12- 1992
29th Annual Convention of Chemist	National	Attended	Photometric determination of silver (I) by adsorption of its 1- allyl-3-(5-chloro-2- pyridyl) thioureas complex on microcrystalline naphthalene.	1992
III International Conference by council of Surface Science and catalysis	Internati onal	Attended	-	8 to 9-12- 2003
National Level Seminar on Potable Water	National	Presented	Chemical Analysis of Ground Water of Rural Areas of Ajmer.	9 to 10-1- 2003
National Conference on Biodiversity Conservation	National	Presented	Zooplankton Diversity in Anasagar Lake.	21 to 22-09- 2006
National Conference on Traditional Methods of	National	Attended	-	22 to 23-12-

Signature



S.P.C.G.C., Ajmer

Conservation of Environment				2006
National Conference on Environmental Impact assessment	National	Attended	-	26 to 27-02-2007
National Conference on Recent trends in Chemical Sciences	National	Attended	-	1 to 2-12-2009
National Seminar on Environmental Challenges	National	Attended	-	2-4-2010
National Conference on Management and Accountability in Higher Education	National	Attended	-	8 to 9-1-2011
National Seminar on Chemistry of Primates : Green Chemistry	National	Attended	-	29 to 30-11-2012
National Seminar - Regulatory Mechanism in Higher Education	National	Attended	-	13 to 14-09-2014
Workshop on Achieving excellence through E-Governance in Higher Education	National	Attended	-	16-2-2015
National Conference on Urban Growth : Environmental Challenges and Responsibilities	National	Attended	-	26 to 28-10-2015
National Conference on Bhartiya Shoudh Drashti	National	Attended	-	22 to 23-04-2016

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

Conference/Seminar Title	Year

12. Resource Person:

In training Programme	Resource person for training program in RBSE from 2-10-2017 to 06-01-2017
In conferences/Seminars (Chair/Co-Chair/of Session)	Chairperson in NCGCSTC 2016

Signature



13. Research Publications

Title of Paper	Name of Journal with Impact factor & ISSN No.	Volume and No. with Year	Citation Index	Impact Factor	Google Index
Spectrophotometric determination of Pd(II) with N-thiobenzoyl-N-p-chlorophenylhydroxylamine	J. Inst Chemist 0020-3254	64,(1992)	01		
Spectrophotometric determination of Co(II) after Separation by adsorption of its 1-diethylamine-2-propanol Complex on microcrystalline naphthalene	Asian Journal of Chemistry 0970-7077	6,(1994)	-		
Photometric determination of Palladium (II) by adsorption of its N-p-nitro-(2-mercapto) propionanilide complex on microcrystalline naphthalene	Chimica Acta Turcica 1.696 2394-4404	22,(1994)			
Spectrophotometric determination of Co(II) adsorption of its 1-hydroxy-1-phenyl-3-benzyl-2-thiourea complex on microcrystalline naphthalene	Journal of Indian Chemical Society 3.1104 0019-4522	72,(1998)			
1-Phenyl-3-(2-thiourea Complex on microcrystalline naphthalene	Journal of Indian Chemists (India) 0.376	69,(1997)			
Synergistic effect of <i>Calotropis</i> plant in Controlling corrosion of mild steel in basic solution	Journal of Chilean Chemical Society 0.647 0717-9707	54(2009)	7		
Inhibitive effects of some Schiff's bases on corrosion of mild steel in Sulphuric acid solution	International Journal of Engineering Research and Industrial Applications 1.69 0974-1518	3(2010)			
Electrochemical behavior of mild steel in acidic media	International Journal of Engineering Research and Industrial applications 1.69 0974-1518	3(2010)			



Inhibitive effects of some Schiff's bases on Corrosion of mild steel in hydrochloric acid solutions	International Transaction in applied science 1.23 0974-7273	2(2010)	24		
Study of Plants <i>Cordia dichotoma</i> as green Corrosion inhibitor for mild steel in different acidic media	E.Journal of Chemistry 0.516 2394-4404	8,3(2011)	6		
Study of corrosion inhibition efficacy of <i>Cordiadi chotoma</i> extract for mild steel in different acidic media	Inter. J.Curr Trend Science-Technology 0.312 0976-9730	3(2)(2012)			
Influence of operating Condition the removal of Zn(II) and Cu(II) ions from aqueous solutions using <i>Carissa carandus</i>	Rasayan Journal of Chemistry 0974-1496	5(3)(2012)			
Biosorption of Cd(II) and Pb(II) ions from aqueous solutions using <i>Carissa carandus</i>	Research Journal of Pharmaceutical, Biological and Chemical Science 0.35 0975-8585	3(2012)			
Spectrophotometric determination of copper (II) by adsorption of Schiff's base (derived from Vanillin and -2-amino-5-chloropyridine) Complex on polyurethane foam	Journal of Chemistry in Asia 0970-7077	3(2012)			
Corrosion Inhibition Efficiency of Some Schiff's bases on mild steel in acid medium	Journal of Chemistry in Asia 0970-7077	3(2012)			
Thermodynamical characterization of Al corrosion in presence Inhibitor	International Review of applied Engineering research 2248-9967	3(4)(2013)			
Green approach for Corrosion prevention	International Journal of chemistry and Chemical Engineering 1.22 2248-9924	1(3)(2013)			
Synergistic Effect of Extracts of <i>Cordia dichotoma</i> on corrosion inhibitor	Asian journal of biochemical and pharmaceutical Research 2231-2560	4(2014)			
Inhibitive effect of alcoholic	International Journal	(2015)			



S.P.C.G.C., Ajmer

Extract of <i>Pergularia daemia</i> on corrosion of mild steel in hydrochloric solutions	of Engineering Research and applied science 1.22 2305-8269				
Ecofriendly corrosion inhibition of mild steel in hydrochloric acid using <i>Leptadenia pyrotechnica</i> as a green inhibitor	Research journal of Chemical Science 2331-606X	(2015)			
Corrosion Prevention of Mild Steel in Acid Media by Green Corrosion Inhibitor	Proceedings of NCGCSTC	2016			
Inhibitive action of <i>Leptadenia pyrotechnica</i> extract on the corrosion of mild steel in H ₂ SO ₄ solution	J. Integr. Sci. Technol. 2321-4635	2016,4(2)			
Investigation of extracts of Plant <i>Cordia dichotoma</i> as Potential Corrosion inhibitor for Mild Steel in Acid media	J. Integr. Sci. Technol. 2321-4635	2016,4(2)			
Comparative Study of Schiff's Bases and Plant Extract as Corrosion Inhibitors	Adv. Sci. Eng. Med., 1023–1028 ISSN: 2164-6627 (print); EISSN: 2164-6635 (online)	2018, 10(10)			
Eco-friendly synthesis of silver oxide Nanoparticles and their Medical Application	DAE-BRNS 7 th interdisciplinary symposium on Materials chemistry at BARC Mumbai ISBN : 81-88513-88-1	2018			
Bio synthesis of silver oxide nanoparticles and their characterization	i-manager's journal on material science	2018, 6(3)			
Study of Antimicrobial activities of green synthesized silver nanoparticles	J.Indian Chemical Society vol-97, march 2020, 455-459	2020			
Anti-Cancer potential of green synthesized silver nanoparticles	AIP conference proceedings 2220(1)020046	2020			

14. Research Projects:

Title of the Project	Year	Name of funding agency	Fund available/ utilized	Present status
----------------------	------	------------------------	--------------------------	----------------

Signature



Studies on Arid Zone plants as Potential Corrosion Inhibitor's	2008	UGS, Bhopal	Utilized	Completed
--	------	-------------	----------	-----------

15. Research Supervision:

- Basic Field of specialization:

❖ Ph.D.

Name of Student	Title of thesis	Present status	Date and Year of Award, if so
Dr. Rakhi Khandelwal	"Studies on corrosion inhibition efficiency of <i>Cordia dicotoma</i> "	Awarded	2011
Dr. Suresh Sahu	"Studies on Corrosion Inhibition Efficiency of Novel Nitrogen Containing ligands"	Awarded	2012
Dr. Sandhya Agarwal	"Studies on some analytical aspects of some schiff's bases"	Awarded	2013
Dr. Gajendra Singh	"Studies on Plants <i>Pergularia daemia</i> , <i>Leptadenia pyrotechnica</i> <i>Sarcostemma intermedium</i> as corrosion combating material"	Awarded	2016

❖ M. Phil.

Name of Student	Title of Dissertation	Present status	Date and Year of Award, if so
Hemant Kumar	Studies on corrosion inhibition efficiency of plant <i>pentatropis spiralis</i>	Awarded	2008
Pratibha Sharma	Studies on corrosion inhibition efficiency of <i>Cryptostegia grandiflora</i>	Awarded	2008
Naresh Kumar	Studies on Metal Analysis of some Plants Growing in Polluted and non-Polluted Regions of Rajasthan	Awarded	2009

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

Signature



--	--	--	--

● 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
1. Natural Fibres 2. Nature of Things	Author	Vigyan Class 6th	Rajasthan Rajya Patyapustak Mandal, Jaipur	2016
1. Acids base and salt 2. Waste management	Author	Vigyan Class 7th	Rajasthan Rajya Patyapustak Mandal, Jaipur	2016
1. Metals and Non-Metals 2. Synthetic Fibres and plastics	Author	Vigyan Class 8th	Rajasthan Rajya Patyapustak Mandal, Jaipur	2016
1. Periodic table 2. Hydrogen	Author	Rasayan class 11	Rajasthan rajya pathya pushtak mandal Jaipur	2017
Adulteration in food products	Dr. S. K. Arora	Prayogik Rasayan class 11	Rajasthan rajya pathya pushtak mandal Jaipur	2017
Carbonic Rasayan Dhatu aur Dhatu Karm Bahulak		Vigyan Class 12 (Varisth Upadhyay)	Rajasthan rajya pathya pushtak mandal Jaipur	2018

13 Sports Activities:

14 Extra Curricular Activities:

15. Any Other Relevant Information/Contributions

- Resource Person in many workshops organized by NCERT, New Delhi.
- Translator of _____ Published by _____



S.P.C.G.C., Ajmer

Chemistry Book 11th Class - Part-2

NCERT, New Delhi

Chemistry Book 12th Class - Part-1

NCERT, New Delhi

Chemistry Book 12th Class - Part-2

NCERT, New Delhi

Teachers Hand Book of Science for class 8th

NCERT, New Delhi

- **Resource Person in many Teachers Training Programme organized by different Institutes.**
- **Subject Expert in Recruitment bodies of Rajasthan, Haryana, Madhya Pradesh**

Signature