



Faculty Profile

1. Name: Dr. Gajendra Singh
2. Designation: Assistant Professor
3. Department: Chemistry
4. Educational Qualification:



Level	Name of University/Board	Year	Title/ Remark/ Medal
M. Sc. (Chemistry)	M. D. S. Univ., Ajmer	2000	Organic Chemistry
NET	CSIR- UGC	2001	Chemical Science
Ph.D.	M. D. S. Univ., Ajmer	2016	Studies on Plants <i>Pergularia daemia</i> , <i>Leptadenia pyrotechnica</i> and <i>Sarcostemma intermedium</i> as Corrosion Combating Material

5. Experience: Teaching / Research

UG	12	PG	12	Research	01
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6. Membership (Academic Bodies/ Research societies):

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

8. Awards Received:

9. Academic Courses Attended:

Course	Place	Sponsoring Agency	Duration
Orientation Course	AJMER	ASC, M.D.S. UNIVERSITY, AJMER	14/9/2010 to 11/10/2010
Refresher	JAIPUR	ASC, UNIV. OF RAJASTHAN, JAIPUR	28.11.2011 to 17.12.2011
	AJMER	ASC, M.D.S. UNIVERSITY, AJMER	29.09.2015 to 19.10.2015
Short Term	AJMER	ASC, M.D.S. UNIVERSITY, AJMER	03-02-2020 to 08-02-2020

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Other (Workshop/ Summer School/ Camp etc.) -			
Orientation Training Course (NSS)	JAIPUR	HCM-RIPA, JAIPUR	16.07.2012 to 22.07.2012
National Workshop	TONK	UGC	Dec. 22 -23, 2011
National Workshop and Training Programme on "Intellectual Property Rights"	BHILWARA	DST, Govt. of Rajasthan	Jan18, 2017
Workshop on "Libre Office Suite"	AJMER	IIT BOMBAY	June 03, 2017
National workshop on "Instrumentation Techniques For Reserch in chemical science"	JAIPUR	Association of Chemistry Teacher	Dec 22&23, 2017
National workshop "Intellectual Property Rights Awareness and Training Programme"	JAIPUR	DST, Govt. of Rajasthan	Feb 24, 2018
National workshop Intellectual property Rights	AJMER	DST, Govt. of Rajasthan	March 17, 2018
Online F.D.P (Faculty Development Programme)	National Level Online FDP	Dr. M. G. R. Educational and Research Institute, (Deemed to be Univ.) Chennai	May19-23, 2020

10. Seminar/ Conference :

Name of Symposium/ Seminar/Conference	Internat./ National/ Regional	Organized by	Title of Paper presented	Year
Recent Trends in Chemical Science	National Seminar	Govt.	Corrosion Inhibition of Aluminium in Acidic media by <i>Cryptostegia grandiflora</i>	Dec. 1&2,2009

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

Environmental Challenges	National Seminar	Chemistry Alumni M.L.V. Govt. College, Bhilwara		April 2, 2010
Management Accountability in Higher Education	National Conference	Government College, Ajmer		Jan 8-9, 2011
Multi Brand FDI in Organized Retail in India	National Conference	Government College, Ajmer		March 01-02, 2012
Chemistry of Primitives Green Chemistry	National Seminar	Department of Chemistry, Dayanand College, Ajmer	Corrosion Inhibition of Aluminium by Alcoholic Extract of <i>Pentatropis spiralis</i> in HCl	Nov 29-30, 2012
Innovative Teaching Methodology for 2D NMR Spectroscopy-A Technique with Difference	National Seminar	M. D. S. Univ., Ajmer		March 21, 2013
Environmental Issues, Toxicology & Exposure Science	National Seminar	Department of Zoology, Agrawal P.G. College, Jaipur		Sept. 20 - 21, 2013
Human Resource Development in South Asia	International Conference	Government College, Ajmer	An Effort Towards more Accountable, Transparent and Good Governance: RTI and NAREGA	Dec 19-21, 2013
Commission for scientific and technical terminology	National seminar	Ministry of Human Resource Development (Dept. Of Higher Education, Govt. College, Ajmer)		Sep 12-13, 2014
Green Chemistry Bridge Between Energy & Environment	National Conference	Department of Chemistry Pt. N.K.S. Govt. P.G. College, Dausa	Inhibitive Effect of the Fruit Extract of Plant <i>Sarcostemma intermedium</i> as Corrosion Inhibitor of Aluminium in Acidic Solution	Dec 15-16, 2014

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Adaptability of Eco Friendly Chemistry for Engineers	National Seminar	Govt. Mahila Engineering College ,Ajmerr		Aug 18, 2015
Urban Growth Environmental Challenging & Responsibility With Special Reference to Rajasthan	National Conference	Department of Geography S.P.C.G.C.A.	नगरीय वृद्धि , पर्यावरणीय सम्प्लोषणता	Oct 26-28, 2015
Advance Functional Material & Their Application	National Conference	Govt. Women Engineering, College, Ajmer	Photo-Bleaching of Amcot 3BLF using in situ Chemical Oxidation by Fenton's Reagent	Dec 11&12, 2015
Green Chemistry & Sustainable Technology for Society 2016	National Conference	Govt. Women Engineering, College, Ajmer	Effect of Leptadenia Pyrotechnica extract on the Corrosion Inhibition of Mild Steel in H ₂ SO ₄ Solution	Jan 11&12, 2016
Recent Trends In Chemical Sciences	International Conference	Department of Chemistry S.G.G. Govt.College, Banswara	Corrosion inhibition Efficacy of Pergularia daemia extract on mild steel in H ₂ SO ₄ Solution	Nov28&29 2016
Economic Thoughts of Bharat Ratna Baba Saheb Dr. B. R. Ambedkar	National Conference	Dr. B. R. Ambedkar Foundation Jaipur	Impact of Dr. Ambedkar's Thoughts on Indian Economy	Dec. 6, 2016
Frontiers at the chemistry –Allied Science Interface	International conference	Centre of Advanced Study Department of Chemistry, University of Rajasthan, Jaipur	Inhibitive action of root extract of Pergularia daemia on corrosion of mild steel in HCl and H ₂ SO ₄ solution	July 22&23 2017
Advances in Science and Technology an Interdisciplinary Approach	National Conference	Sophia Girls College, Ajmer	Natural products as low cost green corrosion inhibitor for metals in corrosive media – A review	Oct 15&16 2018
e-Learning and MOOCs in Higher Education	National Seminar	DCE Jaipur and Sophia Girls College, Ajmer		March 16, 2019
Gandhi –The Eternal Truth, Relevance For	International	S.P.C. Govt.	महात्मा गांधी का विज्ञान दर्शन	Sept. 18-19, 2019

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Future Generations	Conference	College, Ajmer		
An International Conference on Emerging Challenges, Their Solutions and Recent Advances in Science	International Conference	Government Science College, Sikar	Inhibitive effect of extract of Leptadenia pyrotechnica on corrosion of mild steel in hydrochloric acid	Oct.4-5, 2020
National seminar on “Advances in Sustainable Development For Indian Climate”	National Seminar	Dayanand College, Ajmer	Corrosion inhibition effect on mild steel in HCl using stem extract of Sarcostemma intermedium as ecofriendly inhibitor	Jan. 15-16, 2020
Webinar :				
Strategies & Challenges in higher Education during COVID-19 Lockdown period in india with reference to the world	International	Government Vidarbha insitue of science & Humanities, Amravati		May15-17,2020
COVID -19-The ISSUES & Challenges before Higher Education	International	M. D. S University, Ajmer		May16-22,2020
Molecular Characterization through Medicinal Plants and Ayurvedic Remedies	International	Department of Microbiology and Department of Biotechnology, University of Kota		May 24, 2020
COVID-19 Unprecedented social Cultural and Medical Challenges before Humanity	International	Indira Gandhi Government Social, Cultural and Medical Challenges before Humanity		May 28-29, 2020
Impact of COVID-19 on Human Health, Environmental Perspectives, World Economy, Technology & Future of Education	International	JCD Memorial (PG) College, Sirsa (Haryana)		June 5-6, 2020
National webinar on Frontiers in chemical science	International	D.A.V. College, Sriganga nagar		June 12, 2020

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

Conference/Seminar Title	Year
1. Novel Techniques and Advancements in Chemical and Physical Sciences	2020

12. Resource Person:

In training Programme	
In conferences/Seminars (Chair/Co-Chair/of Session)	

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
CORROSION INHIBITION EFFICIENCY OF SOME SCHIFF'S BASES ON MILD STEEL IN ACID MEDIA	JOURNAL OF CHEMISTRY IN ASIA	3, 67-71, 2012			
INHIBITION EFFECT OF ALCOHOLIC EXTRACT OF <i>Pergularia daemaia</i> ON CORROSION OF MILD STEEL IN HYDROCHLORIC ACID	INTERNATIONAL JOURNAL OF ENGINEERING AND APPLIED SCIENCES I.F-1.22 ISSN:2394-3661	2(7),79-83,2015		1.22	
ECOFRIENDLY CORROSION INHIBITION OF MILD STEEL IN HYDROCHLORIC ACID USING <i>Leptadenia pyrotechnica</i> AS GREEN CORROSION INHIBITOR	RESEARCH JOURNAL OF CHEMICAL SCIENCES I.F.-0.654 ISSN:2231-606X	5(8),28-34,2015		0.654	
INHIBITIVE ACTION OF <i>Leptadenia pyrotechnica</i> EXTRACT ON THE CORROSION OF MILD STEEL IN H ₂ SO ₄ SOLUTION	JOURNAL OF INTEGRATED SCIENCE AND TECHNOLOGY ISSN:2321-4635	4(2),76-80,2016			
Photo-Bleaching of Amcot Red	Elixir International	110, 48200-		0.454	

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3 Blf Using in Situ Chemical Oxidation by Fentons Reagent	Journal , I.F.- 0.454, ISSN:2229-712x	48202, 2017			
Green Approach To Corrosion Inhibition Of Some Traditional Medical Plants-A Review	International Journal Of Research And Analytical Reviews, I.F.-5.75, E-ISSN 2348-1269,P-ISSN 2349-5138	Volume 5, Issue 4 809-814, November 2018		5.75	
Corrosion inhibition effect of pithecellobium dulce as green inhibitor for mild steel in H ₂ SO ₄ solutions	Journal of Interdisciplinary Cycle Research, 6.2, 0022-1945	Volume 12, Issue 2, 2020		6.2	
Corrosion inhibition of mild steel using pithecellobium dulce extract as green inhibitor in HCl solution	Journal of Xidian University	Volume 14, Issue 4, 2020		5.4	

14. Research Projects:

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

15. Research Supervision:

- **Basic Field of specialization:** *Corrosion and Surface Chemistry, Synthesis, Environmental chemistry*

❖ Ph.D.

Name of Student	Title of thesis	Present status	Date and Year of Award, if so

❖ M. Phil.

Name of Student	Title of Dissertation	Present status	Date and Year of Award, if so

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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:

14 Extra Curricular Activities:

15. Any Other Relevant Information/Contributions

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