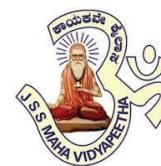





JSS Mahavidyapeetha
JSS Academy of Technical Education
Department of Chemistry



FACULTY PROFILE

Department: Chemistry

1. Personal Details

NAME	Dr. ROLI VERMA	
DEPARTMENT	CHEMISTRY	
DESIGNATION	ASSISTANT PROF-3	
PHONE	9871326699	
EMAIL ID	roliverma@jssaten.ac.in	
Date of Joining (JSSATEN)	31.08.2005	

2. Experience

Total Experience in Years	Teaching: 17 Years	Industry: NIL	Research: 15 Years
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.Sc.,	Chemistry, Botany, Zoology	1995	A.N.D.M.M Degree College Kanpur	Kanpur University
M.E. / M.Tech. / M.Sc.	Organic Chemistry	1997		Kanpur University
Ph.D.	Polymer Chemistry	2002	DMSRDE, DRDO Kanpur	Kanpur University
Post Doc.	Organic Light Emitting Diodes Smart Materials	2002-2003 2003-2005	IIT, Kanpur DMSRDE, DRDO , Kanpur	

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 3	National: 2
Papers Published in SCOPUS indexed Journals	International: 5	National:3
Papers Published in other Journals	International: 2	National:5
Papers Published/Presented in Conferences / Symposium	International: 0	National:10
Books / Book chapters Published	<p>A Book Chapter on Polybenzobisthiazole- critical issues in its performance and properties. - Roli Saxena and L.D.Kandpal “ Polymides and other high temperature polymers (Proceedings of IInd International Symposium Editor K.L.Mittal) pp225-240.2003 (VSP Publishers Boston USA)</p> <p>A Book Chapter on Energy Management by Using “Noise and Pressure” in Generating Electricity. Sustainable Smart Cities in India: Challenges and Future Perspectives, Springer. Chapter 19, 295-320 Pratibha Singh, Praveen Kumar Maurya and Roli Verma., 2017.</p> <p>A Book Chapter on Role of Eco-Friendly Materials in Construction for Making Cities Smart: A Case Study of Noida and Greater Noida, 2019, Making Cities Resilient: Post Habitat III, Chapter 17, Springer, 235-252. Kirti Srivastava, Ashima Srivastava, Pratibha Singh, R. S. Jagadish, Roli Verma and VidushiJaiswal</p> <p>Bioplastics: A Green Approach Toward Sustainable Environment, Environmental Microbiology and Biotechnology, Volume 1: Biovalorization of Solid Wastes and Wastewater Treatment, Springer, Chapter 3, pp: 35-43, 2020 ISBN 978-981-15-6020-0 ISBN 978-981-15-6021-7 Pratibha Singh, Roli Verma (eBook)</p> <p>Number of the books:4 Publisher: ACME Learning Publications Year of Publication:2010</p> <ol style="list-style-type: none"> 1. Environmental Engineering-I, Pratibha Singh, Roli Verma, per UPTU syllabus, Acme Learning Publication, 2010. 2. Environmental Engineering-II, Pratibha Singh, Roli Verma, Ashima Srivastava, Abhai Verma as per UPTU syllabus, Acme Learning Publication, 2010 3. A Text Book of Engineering Chemistry-I, Jawaharlal Nehru Technical 	

	University, Hyderabad, Ashima Srivastava, Roli Verma , Acme Learning Publication, 2010
	4. A Text Book of Engineering Chemistry-II, Jawaharlal Nehru Technical University, Hyderabad, Ashima Srivastava, Roli Verma , Acme Learning Publication, 2010. ISBN No. 978-81-910319-1-1

5. Research Guidance

PhD Guide? Give field & University	-	
PhDs / Projects Guided	-	

6. Grants

i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
Scheme for Promoting Interests, Creativity and Ethics among Students (SPICES)	Rs. 2.00 Lakh	22 nd April 2021	1 yr	Under AICTE Quality Improvement Schemes (AQIS)

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
-	-	

iii. Consultancy

Title of the work	Amount in Rs.	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
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7. Awards Received

Awards "Best Paper Award"	-
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8. Publications

i. International Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1	Bioremediation of Distillery Wastewater by sequential anaerobic and aerobic treatment in pilot scale bioreactor	Roli Verma , Pratibha Singh , Savitha H.S , Pratibha Singh , Ashima Srivastava and R.S.Jagadish	International Journal of Lakes and Rivers.	Vol. 14, Number 1 pp. 33-42 2021,	WOS		
2	SELF REPAIRING BIOCONCRETE: a Better Living	Roli Verma, Kirti Srivastava and R.S.jagadish	Int J Pharm Bio Sci	Vol. 9 Issue 3, pp:185- 190, 2018	Scopus	0.888	
3	Strategies for synthesis and applications of self repairing materials to increase durability of polymeric materials	Roli Verma, Ashima Srivastava,prathib ha Singh and R.S.Jagadish	Int J Pharm Bio Sci	Vol.6(3)B) pp. 857-868 2015	Scopus	0.888	
4	Synthesis and Characterisation of Poly (benzobisthiazole) derived from Thiophenedicarboxylic.	Roli Saxena, L.D.Kandpal & G.N.Mathur	Journal of Polymer Science Part A: Polymer Chemistry.	Vol. 45, No.26 , pp 4367- 4374, 2004	Scopus	2.51	Wiley Publications
5	Synthesis and Characterisation of Poly (benzobisthiazole) derived from halogenated	Roli Saxena, L.D.Kandpal & G.N.Mathur	Journal of Polymer Science Part A:	Vol. 40, No.22, pp 3959- 3966, 2002.	Scopus	2.51	Wiley Publications

	phthalic acid isophthalic acid” -.		Polymer Chemistry.				
6	Utilization of Piezoelectric Material for Energy Harvesting	Divya Guildyal, Roli Verma, Utpal Mishra, Pratibha Singh	International Journal of Engineering Research	Volume No.7, Special Issue 4,pp 364-365, 2013	Scopus		

ii. National Journals

Sl. No	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1	Green Cement: the Cheapest Carbon sequestration on plane	Roli Verma	ISST Journal of Applied Chemistry	Vol.6 (1), pp. 43-45, (2017)			
2	Characterization of lignin peroxidase from <i>Paecilomyces</i> species for decolorisation of pulp and paper mill	Pratibha Singh, Preeti Jain, Roli Verma, R.S. Jagadish	J of Scientific and industrial research	Vol. 75(8), pp 500-505, (2016)			
3	“Algal Biofuel: A Boon for Society in Future to Solve Energy Crisis”	Prashant Singh, Satyam Bansal, Pratibha Singh, Roli	Int. Res. Adv.	Vol 3, No 1 (2016)			

		Verma and R. S. Jagadish					
4	Microbial Fuel Cell: Need of Clean Environment.,	Roli Verma et.al	Res. Environ. Life. Sci	Vol.7 (4), pp 219-222, (2014).			
5	Green Marketing: An Innovative Strategies and Conceptual Approach for Sustainable Environment ,	Roli Verma et.al	ISST Journal of Applied	Vol. 5(1), pp. 17-20, (2014)			
6	Socio-Economic and Environmental Impact of Nanotechnology	Pratibha Singh, N.N.Janhavi, Ashima Srivastava, Roli Verma, Kirti Srivasatva and Preeti Jain.	Research Journal of Chemical and Environmental Sciences	Vol. 2[3], pp:17-20, (2014)			
7	Human Resource and Sustainable development.	Roli Verma et.al	Res. Environ. Life. Sci.	6(3)79-84(2013).			
8	Removal of colour in distillery effluent	Roli Verma, et.al	Res.Environ. Life Sci	Vol. 3(1), pp. 17-20, (2010).			

	(spentwash) by Phanerchaete chrysosporium and pseudomonas fluorescens.-.						
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iii. Conferences

Sl. No	Title of the paper	Name(s) of Author(s)	Name of the Conference	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1	Removal of Heavy metals by bacterial biomass	Roli Verma, Kirti Srivastava, Ashima Srivastava	International Conference On Smart Innovations for Society (ICSIS-2021)	pp 43,2021 Proceedings			
2	Role of Bioconcrete in Smart Structure. Systems	Roli Verma, Atul Singh, Kirti Srivastava and R.S.Jagadish	International Conference on Intelligent Control and Computation for Smart Energy and Mechatronics(ICCSEMS - 2020). JSSATE, Noida				Proceedings
3	“Bioremediation of Toxic Pollutants from Pulp and Paper Mill to Improve Land Quality”	Noopur Srivastava, Pratibha Singh, Roli Verma and R. S. Jagadish	9th International Geographical Union (IGU) Conference on “Land Use Change, Climate Extremes and Disaster Risk Reduction,				Proceedings

4	Algal Biofuel: A Boon for Society in Future to Solve Energy Crisis,	Prashant Singh, Satyam Bansal, Pratibha Singh, Roli Verma and R. S. Jagadish,	National Seminar on role of analytical sciences in sustainable development, RASSD-2016				Proceedings
5	"Environmental implications of Nanotechnology",	Pratibha Singh, Ashima Srivastava, Roli Verma & N. N. Janhavi,	National conference on Recent trends in Chemical Research3-4 January 2014, SJCE, Mysore				
6	Self Healing in Polymers: A review	Roli Verma, Ashima Srivastava, Pratibha Singh and N.N Janhavi	-National Conferences on Recent Trends in Materials and Devices20th-22 nd May 2010 in Amity Engineering College, Amity University.	pp. 86-90, (2010)			Published in (Proceedings. RTMD. ISBN No.93-80697-01-5)
7	Microbial Fuel Cell: Need of Clean Environment. All India Conference on.	A.Srivastava, R.Verma, P. Singh, M. Gupta, A. Sharma and V. Grover	Global Warming (Reducing Carbon foot prints and its impact on Global Warming), Rajasthan College of Engineering for Women (RCEW), Jaipur, 20-21 Aug.2010				Proceedings
8	"Conversion of ambient vibration energy into electrical	Prashant singh, Pratibha Singh, Roli	National Seminar on Innovative green technologies for sustainable sanitation,	pp. 48-50, (2016).			Proceeding

	energy by using Piezoelectric materials”	Verma,	health and environment (IGTHE-2016)				
9	“Conversion of Waste Plastic to Fuel”	Ashima Srivastava, Prakhar Khanna, Devansh Poddar, Pratibha Singh, N.N Janhavi, Roli Verma	National Seminar on Innovative green technologies for sustainable sanitation, health and environment (IGTHE-2016)	pp.260-262, (2016)			Proceeding of National Seminar
10	Green Marketing: A Conceptual Approach for Solving Environmental Problems	Nisha Singh, Deepika Singh, Pratibha Singh, Ashima Srivastava and Roli Verma,	Conference on Cooling the Earth (ICCE). 15-17th Nov 2010.				

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	National Workshop on Solid State NMR, Practice and Prospects	IISc – Bangalore	5.11.2001 to 7.11.2001.
2	Short Term course on Chemistry, light and materials.	SAMTEL, At IIT Kanpur	4.2.2004 to 28.2.2004
3	Quality Improvement Programme on “Solar energy and its application in Photovoltaics”	IIT Dehli	Dec 2012.
4	3 Weeks Refresher course on Environment Science	AMU, Aligarh	9.5.2013 to 29.5.2013

5	3 Weeks Refresher course on Environment Science from	Jamia Millia Islamia New Delhi	2.7.2014 to 22.7. 2014.
6	STC in ICT mode on Instructional Planning and Delivery NITTTR, Chandigarh.	JSS Academy of Technical Education Noida	11.5.2015 to 15.5.2015
7	One week FDP on ‘Sustainable Environmental Management’ conducted through ICT by NITTTR, Chandigarh	JSS Academy of Technical Education, NOIDA	14.3.2016 to 18.3.2016.
8	One week FDP on ‘Earthquake risk Management’ conducted through ICT by NITTTR, Chandigarh	JSS Academy of Technical Education NOIDA	5.5.2017 to 9.5. 2017.
9	One Week FDP on Green Chemistry and Clean Technology (GCCT-2018) sponsored by AKTU, Lucknow	JSS Academy of Technical Education, NOIDA	11.6.2018 to 15.6.2018
10	online workshop on Universal Human Value on the theme “Inculcating Universal Human Values in Technical Education”	All India Council for Technical Education (AICTE).	23.7.2020 to 27.7.2020

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
1	“ ICT Based STP on “Sustainable Environmental Management”	Organized by JSSATE, Noida in association with NITTTR (Chandigarh)	14.4.2016 to 18 4.2016	Programme Co-Coordinator)

vi. Conference Attended (those sponsored by AICTE / ISTE /IETE /TEQIP or any other sponsoring body)

Sl. No.	Name of the workshop / Conference	Organizer	Date
-	-	-	-

9. Details of NPTEL / COURSEERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	Electronic Waste Management	IIT, Kharagpur	Jan-Apr 2018	Elite certificate.
2	Sustainable Life Cycle Assessment,	IIT, Kharagpur	Jan-Apr 2018	Elite certificate.
3	Non-conventional Energy Resources	IIT, Madras	Jan-Apr 2019	Elite certificate.
4	Industrial Chemistry	IIT, Kharagpur	Jan-Apr 2019	Elite certificate.
5	Plastic Waste Management	IIT, Kharagpur	Jan-Apr 2020	Gold certificate
6	Municipal solid waste Management	IIT, Guwahati	20 December 2020	Elite certificate

10. Membership of Professional Bodies:

1. Life Member of Green Chemistry Delhi Chapter
2. Life Member of SPS society , UP, Chapter
3. Life Membership Indian Society of Analytical Scientists – Delhi Chapter (ISAS-DC)

11. Any other information you will like to share about your professional experience

Additional POC , NAAC of JSS Academy of Technical Education Noida
Worked as Assistant Centre Superintendent 2019-2020 Even semester examinations Dr. APJ Abdul Kalam Technical University.
Member of Women Cell of Academy. 2016-Till date
Head of Non Technical Societies of Academy 2018-Till Date
Worked as Assistant Nodal Officer 2010-2011 Odd semester examinations Mahamaya Technical University
Details of Academic e-Contents prepared Available @youtube.com and AKTU website Industrially Important Polymers Biodegradable Polymers Conducting Polymers Grignard Reagent: its Synthesis and Applications Engineering Chemistry Laboratory Experiments

