




JSS Mahavidyapeetha
JSS Academy of Technical Education, Noida
Department of Chemistry



FACULTY PROFILE

Department: Chemistry

1. Personal Details

NAME	Dr. KIRTI SRIVASTAVA	
DEPARTMENT	CHEMISTRY	
DESIGNATION	ASSISTANT PROFESSOR	
PHONE	9811202238	
EMAIL ID	kirtisrivastava@jssaten.ac.in	
Date of Joining (JSSATEN)	14-08-2012	

2. Experience

Total Experience in Years 19 Years	Teaching: 19 Years	Industry: 0	Research: 14 Years
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3. Qualifications

Courses	Specialization	Year of award	Institution	University
M.Sc.	Inorganic Chemistry	1997	Nehru College, CBR	CSJM University, Kanpur
NET	Chemical Sciences	1999, 2002, 2004	UGC-CSIR, New Delhi	-
Ph.D.	Molecular interactions and thermostatical concept of liquid mixtures".	2010	VSSD College, Kanpur	CSJM University, Kanpur
Post Doc.	Equilibrium thermodynamics and associational	Feb-2012	VSSD College, Kanpur	CSJM University, Kanpur (From UGC)

	behaviour of liquids and liquid mixtures on molecular interactions			
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4. Research & Publications

Papers Published in Web of Science indexed Journals	8(International)	1(National)
Papers Published in SCOPUS indexed Journals	1(International)	4(National)
Papers Published in other Journals	6	
Papers Presented in Conferences / Symposium	10	
Books / Book chapters Published	Name of the book: Making Cities Resilient Publisher: Springer series Year of Publication:2019	

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
-	-	-	-	-

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
-	-	-	-	-

7. Awards Received

Awards/ "Best Paper Award"	First Rank with Gold Medals in M.Sc. 2 Gold Medal & 3 Silver Medals in NPTEL Courses
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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	Kinetics of oxidation of crotonaldehyde by tetra ethyl ammonium chloro chromate (TEACC).	JV Singh, Atul Kumar, Kirti Srivastava, K Mishra, A Pandey and GL Agrawal;	Oxidation Communication Bulgaria	27 (4): 849–853 (2004)	Scopus	.54	Scibulcom Ltd.

2	Density, Ultrasonic Velocity, Surface Tension, Excess Volume and Viscosity of Quaternary Fluid Solutions.	RK Shukla, Atul Kumar and Kirti Srivastava;	Journal of Molecular Liquids	140 (2008): 117–122. Germany	Both	5.065	Elsevier
3	A comparative study of PFP and BAB models in predicting the excess thermo-acoustical and allied properties of liquid ternary mixtures at 298.15°K.	RK Shukla, Kirti Srivastava, Sanjay Gupta and Shilpy Yadav;	Journal of Molecular Liquids Germany	140 (2008): 25–32.	Both	5.065	Elsevier
4	A comparative study of PFP and BAB models in predicting the surface and transport properties of liquid ternary systems.	RK Shukla, Kirti Srivastava, Atul Kumar and Neetu Singh	Journal of Solution Chemistry	36 (2007): 1103–1116. USA	Both	1.273	Springer
5	Density, Refractive Index and Molar Refractivity of Binary Liquid Mixtures at 293.15°, 298.15°, 303.15°, 308.15°, and 313.15°K.	RK Shukla, Atul Kumar, Urvashi Srivastava, Kirti Srivastava and VS Gangwar	Arabian Journal of Chemistry (2012): 10.1016/j.arabjc.2012.02.013 (Elsevier)	10.1016/j.arabjc.2012.02.013	Both	.554	Elsevier
6	Speed of sound and isentropic compressibility of benzonitrile, chlorobenzene, benzyl chloride and benzyl	R.K. Shukla, Atul Kumar, Naveen Awasthi, Urvashi	Arabian Journal of Chemistry	https://doi.org/10.1016/j.arabjc.2014.07.013	Both	.554	Elsevier

	alcohol with benzene from various models at temperature range 298.15–313.15K”	Srivastava, Kirti Srivastava,					
7	Sound Velocity and Isentropic Compressibility of binary Liquid Systems from various Theoretical Models at Temperature range 293.15 to 313.15K”	Atul Kumar, Urvashi Srivastava, Arun K. Singh Kirti Srivastava and Rajeev K. Shukla	Canadian chemical Transaction,	DOI:10.13179/chemicaltrans.2016.04.02.0279			
8	Interpretation of Association Behavior and Molecular Interactions in Binary Mixture from Thermoacoustic and Molecular Compression Data	R.K. Shukla, Atul Kumar, Urvashi Srivastava, Kirti Srivastava, Vivek K. Pandey	International Journal of Thermophysics	DOI 10.1007/s10765-016-2096-3, ISSN:15729567, 0195928X	Both	.953	Springer
9	Eco-friendly Approach to Build Road by Using Waste Plastics,	Kirti Srivastava, Ashima Srivastava, Pratibha Singh	International Journal of Innovative Research and technology	2017,4(115-118)		.76	
10	Repairing BioConcrete: A better Living.”,	Roli Verma, Kirti Srivastava, R.S.Jagadish “	Int J Pharma Bio Sci	2018 July ; 9(3): (B) 185-19	Scopus		
11	Excess volume and surface tension of some flavoured binary	Naveen Awasthi, Atul Kumar,	Physics and Chemistry of	ISSN:0031-9104)1029-0451	Both	.603	Taylor & Francis

	alcohols at temperatures 298.15, 308.15 and 318.15 K	Urvashi S rivastava, Kirti Sriv astava & Rajeev K. Shukla	Liquid				
12	Application Of Microbial Fuel Cell For Electricity Generation By Using Utilizing Different Wastewater,	Pratibha Singh Ashima Srivastava, Kirti Srivastava,Pratibha Singh, Divya Ghildyal, Nupoor Srivastava and Asha Upadhyay	Pollution Research	39 (1) : 121-126 (2020)	Scopus	.6	EM Internationa l.
13	Remediation of Distillery Waste water using Zero Valent iron Particles	K.Srivastava, A. Srivastava, P.Singh, V.Sharma , P.Singh	Current Research in Green Sustainable Chemistry (Elsevier)	Page1-8Volume4, 2021	Both		Elsevier

ii. National Journals

Sl . No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No/. Issue No. /Year	WO S / Scopus / Both	Impact Factor	Publisher
1	Acomparative study of compressibility of ternary liquid systems from two liquid state models at 298.15°K.	RK Shukla, Atul Kumar, Kirti Srivastava and Shilpy Yadav;	Indian Journal of Pure & Applied Physics India	45: 679–686.	Scopus		

2	Thermo-acoustical and Allied Properties of Binary Liquid System	R.K.Shukla, V.K.Pundhir, V.S. Gangwar and Kirti Srivastava,	J.Pure Appl. Ultrason.,	vol 35, pp 35-43, 2013.			
3	Green Marketing: An Innovative Strategies and Conceptual Approach for Sustainable Environment	Pratibha Singh, N.N.Janhavi, , Roli Verma, Kirti srivasatva Roli Verma	ISST Journal of Applied Chemistry	5(1)17-20(2014)			
4	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	Vol2[3]2014:17-20			
5	Microbial Fuel Cell: Need of Clean Environment,	Roli Verma, Pratibha Singh, N.N.Janhavi, Ashima Srivastava, Kirti srivasatva	Res. Environ. Life. Sci.	7(4)219-222(2014).			
6	Green Cement: the Cheapest Carbon sequestration on planet”,	S Yadav, Pratibha Singh, N. N. Janhavi, K Srivastava,”	ISST Journal of Applied Chemistry	6 (1), 43-45(2015)			
7	Application of Continuous Electrocoagulation Process for Distillery Wastewater Treatment	Ashima Srivastava, Kirti Srivastava, Pratibha Singh & Pratibha Singh	Journal of Scientific & Industrial Research	In Press (2021)	1.23	WoS , Scopus	CSIR-NISC AIR

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	Surface tension of binary liquid mixtures at 298.15°, 303.15° and 313.15°K.	RK Shukla, Naveen Awasthi, VS Gangwar, SK Singh and Kirti Srivastava ;	1 st International Science Congress– 2011' Research Journal of Recent Sciences:	1 (ISC-2011): 224-231, 2012			
2	Removal of Heavy Metals from Waste: A Drop of Nectar for Future Society”	Shraiya Gupta, Pratibha Singh, Pratibha Singh, Kirti Srivastava , R.S. Jagadish	Proceeding of National Seminar on Innovative green technologies for sustainable sanitation, health and environment (IGTHE-2016)	(2016)pp.208-211			
3	Q-Carbons: New Inexpensive Synthetic Diamonds	Ashima Srivastava , Devansh Poddar, Pratibha Singh, R.S. Jagadish, Kirti Srivastava	Proceeding of National Seminar on Innovative green technologies for sustainable sanitation, health and environment (IGTHE-2016)	(2016)pp.173-175			

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	National Seminar on Materials Characterization by Ultrasonics	Amity School of Engineering & Ultrasonic Society of India	03/04/2012 To 04/04/2012
2	Green Initiatives in Science & Technology,GIST-2015	Manav Rachna College of Engineering	15 /01/2015
3	National seminar on Innovative Green Technologies for Sustainable Sanitation, Health & Environment (IGHTEHE-2016)	Poornima College of Engineering ,Jaipur Raj.	22/04/.2016
4	National Conference on Making Cities Resilient: Post Habitat III	Saheed Bhagat Singh college ,Delhi University	3/02/2017 To 04/02/2017
5	National Conferences on Recent Advancements in Biotechnology & Bioengineering	Sharda University,Greater Noida	02/11/2017 To 03/11/2017
6	International Conference on "Livable Cities: Transforming Sustainability and its Challenges"	Saheed Bhagat Singh college ,Delhi University	05/02/2018 To 07/02/ 2018
7	Self repairing bio concrete: a better living	Environmental Pollution and its control held at Govt Engg college Banswar	09/03/2018 To 10/03/ 2018
8	International Conference on Bio-Innovation for Environmental and Health Sustainable Developments (BEHSD-2018)	CSIR-Indian Institute of Toxicology Research (CSIR-IITR), Lucknow	27/10/2018 To 28/11/ 2018
9	The International Conference on Intelligent Control and Computation for Smart Energy and Mechatronics Systems (ICCSEMS 2020)	JSSATE, NOIDA	25/09/2020 To 26/09/2020
10	International Conference On Smart Innovations for Society (ICSIS-2021)	Poornima Institute of Engineering & Technology Jaipur	20/08/2021 To 21/08/2021

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
1.	Green Chemistry and Clean Technology (GCCT-2018)	JSS Academy of Technical Education, NOIDA	11/06/2018 To 15/06/2018	Member of organizing committee

2	National Webinar on Application of Fibrous Materials for Energy Storage.	Department of Chemistry, JSS Academy of Technical Education, NOIDA	21/07/2020	Organizing Secretary
3.	National Webinar on NMR Spectroscopy: Introduction and Applications	Department of Chemistry, JSS Academy of Technical Education, NOIDA	24/09/ 2020	Organizing Secretary

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

Sl. No.	Name of the workshop / Conference	Organizer	Date
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9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	Stereo Chemistry	NPTEL	24/09/2017	Silver/78%
2	Coordination Chemistry	NPTEL	22/10/2017	Silver/89%
3	Non-conventional Energy Resources	NPTEL	22/04/2019	Silver/83%
4	Nanotechnology Science & applications	NPTEL	29/09/2019	Elite/67%
5	Waste to Energy	NPTEL	20/07/2020	Gold/99%
6	Municipal Solid Waste Management	NPTEL	0/12/2020	Elite/69%
7.	Electronic Waste Management	NPTEL	29/03/ 2020	Gold/91%

10. Membership of Professional Bodies:

1. -

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

i. Refresher Courses attended

Sl. No.	Name of the subject Organized by	Date of completion / Award Grade / Marks
1.	Environmental Studies	MGM College, NOIDA conducted through ICT by IIT Bombay from 02/06/2015 to 12/06/2015

ii. FDP attended

Sl. No.	Title of FDP	Venue & Date
1.	Effective Implementation of Curriculum	conducted through ICT by NITTTR, Chandigarh at JSS Academy of Technical Education, NOIDA from 7 th March 2016 to 11 th March 2016.
2.	Sustainable Environmental Management	conducted through ICT by NITTTR, Chandigarh at JSS Academy of Technical Education, NOIDA from 14 th March 2016 to 18 th March 2016.
3.	Earthquake risk Management	conducted through ICT by NITTTR, Chandigarh at JSS Academy of Technical Education, NOIDA from 5 th May 2017 to 9 th May 2017.

iii. Administrative work Done

1	Worked as Organizing Secretary in National Webinar on NMR Spectroscopy: Introduction and Applications conducted by Department of Chemistry, JSS Academy of Technical Education, NOIDA on 24 th September 2020.
2	Worked as Organizing Secretary in National Webinar on Application of Fibrous Materials for Energy Storage conducted by Department of Chemistry, JSS Academy of Technical Education, NOIDA on 21st July 2020
3	Worked as organizing team member in one week FDP on Green Chemistry and Clean Technology (GCCT-2018) sponsored by AKTU, Lucknow at JSS Academy of Technical Education, NOIDA from 11th June 2018 to 15th June 2018.
4	Faculty Coordinator of JSS Student Societies <i>Verve</i> , <i>Illuminati</i> and <i>Quizzoc</i> . Supervised several events of the society throughout the year with special mention of College fest Zealicon.
5	Member of Timetable Committee of JSSATEN