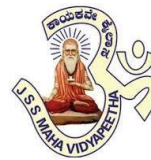





JSS Mahavidyapeetha
JSS Academy of Technical Education, Noida
Department of Chemistry



FACULTY PROFILE

Department: Chemistry

1. Personal Details

NAME	Dr. ASHIMA SRIVASTAVA	
DEPARTMENT	CHEMISTRY	
DESIGNATION	ASSISTANT PROFESSOR	
PHONE	9873561901	
EMAIL ID	ashimasrivastava@jssaten.ac.in	
Date of Joining (JSSATEN)	01-08-2007	

2. Experience

Total Experience in Years: 22	Teaching: 19 Years	Industry: - Nil	Research: - 22 Years
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3. Qualifications

COURSES	SPECIALIZATION	YEAR OF AWARD	INSTITUTION	UNIVERSITY
M.Sc.	Organic Chemistry	1999	Rajasthan University, Jaipur	Rajasthan University, Jaipur
NET	Chemical Sciences	2002	UGC-CSIR, New Delhi	-
Ph.D.	1,3Dipolar Cycloaddition strategy of Novel Heterocycles	2003	Rajasthan University, Jaipur	Rajasthan University, Jaipur

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 05	National: 07
Papers Published in SCOPUS indexed Journals	International: 02	National: 03

Papers Published in other Journals	International: 01	National: 05
Papers Presented in Conferences / Symposium	International: 06	National: 16
Books / Book chapters Published	<p>1. Name of the book: “Concepts of Engineering Chemistry” Publisher: Acme Learning Publication Year of Publication: 2010</p> <p>2. Name of the book: “Environmental Engineering-II” Publisher: Acme Learning Publication Year of Publication: 2010</p> <p>3. Name of the book: “A Text Book of Engineering Chemistry-I, Jawaharlal Nehru Technical University, Hyderabad” Publisher: Parshvnath Publication Year of Publication: 2010</p> <p>4. Name of the book: “A Text Book of Engineering Chemistry-II, Jawaharlal Nehru Technical University, Hyderabad” Publisher: Parshvnath Publication Year of Publication: 2010</p> <p>5. Name of the book: “A Text Book of Engineering Chemistry, Mahamaya Technical University, Hyderabad” Publisher: Acme Learning Publication Year of Publication: 2013</p> <p>6. Name of the book chapter: “New Innovations in Environmental biotechnology- Biodiesel from Jatropha” Publisher: Lenin media Delhi Private Limited, 2016 (ISBN No. (978-93-85494-18-5) Year of Publication: 2016</p> <p>7. Name of the book chapter: “Sustainable Smart Cities in India: Challenges and Future Perspective-Green Buildings: Eco-friendly Techniques for Modern Cities (Chapter 26., 415-432) Publisher: Springer Year of Publication: 2017</p> <p>8. Name of Book: “Making Cities Resilient: Post Habitat III - Role of Eco-Friendly Materials in Construction for Making Cities Smart: A Case Study of Noida and Greater Noida” Publisher: Springer Year of Publication: 2019</p>	

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”	<ol style="list-style-type: none"> 1. Gold Medal in M.Sc. (1999) 2. 4 Gold medals and 3 silver medals in various 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.	(rac-5-RS,7-RS,8-SR)-spiro{7-methoxycarbo	Ashima Saxena R.T. Pardasani & P. Pardasani	Acta Cryst.	58E, 1405, 2002	Both	2.04	IUCr

	nyl-1-aza-3-thia-bicyclo{3.3.0}-octane-8,1-accenaphthylene}-2-one						
2.	Theoretical and synthetic approach to novel spiroheterocycle derived from isatin derivatives and L-Proline via 1.3-Dipolar Cycloaddition	Indu Bala Sharma, Ashima Saxena R.T. Pardasani & P. Pardasani	Heteroatom chem.	14, 36, 2003	Both	1.2	Wiley-Blackwell
3.	Enzymatic colour removal of pulp & paper mill effluent by different fungal strains	Pratibha Singh & Ashima Srivastava	International J. Pharma. & Biosci.	5(3): (B) 773-783, 2014.	Scopus	1.04	
4.	Strategies for synthesis and application of self repairing materials to increase durability of polymeric materials	Roli Verma, Ashima Srivastava , Pratibha Singh & R.S.Jagadish	International J. Pharma. & Biosci.	6(3):(B) 857-868, 2015.	Scopus	1.04	
5.	Ecofriendly Approach to Build Road by Using Waste Plastics	Pratibha Singh & Ashima Srivastava	International Journal of Innovative Research and technology,	4:115-118, 2017			
6.	Utilization of Algal Consortium to Produce Biofuels and Byproducts for Reducing Pollution load	Singh P., Srivastava A. , Srivastava N. , Sharma V. , Ghildyal D. , Upadhyay A. & Singh P.	Pollution	6(2): 353-366, 2020	WOS		

7.	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 & R.S. Jagadish	International Journal of Lakes and Rivers	Volume 14, Number 1 (2021), pp. 33-42	WOS		
8.	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	Volume 4, 1-8, 2021	Both	6.04	Elsevier

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.	Stereoisomeric Synthesis of oxazolidione and fused pyrrolidine derivatives via azomethine ylides and their antimicrobial activity	Ashima Saxena , R.T. Pardasani, P. Pardasani & Vivek Chaturvedi	Indian J. Chem.	42, 412-415, 2003	Both	0.8	CSIR-NISCAIR
2.	A Comprehensive approach to the photosynthesis of bioactive compounds by the reaction of oxazolidine, thiazolidine and imidazolidine derivatives with Indol-2,3-diones	Ashima Saxena , Indu Bala Sharma, R.T. Pardasani & P. Pardasani	Proc. Ind. Acad. Sci.	114, 523, 2002	Both	0.5	Springer
3.	Synthesis and antibacterial activity of some fused and spiro-	Ashima Saxena , R.T. Pardasani and P. Pardasani & Vivek Chaturvedi	Ind. Journal Heterocycl Chem.	10,129, 2000	Scopus	0.273	Connect Journals

	imidazolidine derivatives						
4.	Synthesis and semiempirical calculations of Imidazolidine, Oxazolodine and thiazolidine derivatives of Acenaphthylene-1,2-dione	Swati Kohli, Ashima Saxena , Indu Bala Sharma, R.T. Pardasani & P. Pardasani	Indian J. Chem.	42B, 3075, 2003.	Both	0.8	CSIR-NISCAIR
5	Removal of colour in distillery effluent (spent wash) by Phanerochaete chrysosporium and Pseudomonas fluorescens	P Singh, Ashima Srivastava , Verma R, Janhavi N, Gupta, M, Singh, H & N K Swamy	Res. Environ. Life Sci	3(1), 17-20, 2010.			
6	Human resource and sustainable development	Pratibha Singh & Ashima Srivastava	Res. J. Environ. Life Sci.	vol. 6(3), pp 79-82, 2013			
7	Microbial Fuel Cell: Need of Clean Environment	Roli Verma, Ashima Srivastava , Pratibha Singh & N.N Janhavi	Res. J. Environ. Life Sci.	7(4), 219-222, 2014			
8	Socio-Economic and Environmental Impact of Nanotechnology	Pratibha Singh & Ashima Srivastava	Res. J. Chemical & Environ. Sci	2(3), 17-20, 2014			
9	Preparedness for emergency and capacity to response	Pratibha Singh, Ashima Srivastava & Avinash Singh.	Discovery	38(174), 59-64, 2015			
10	Electricity generation by microbial fuel cell using pulp and paper mill wastewater, vermicompost and Escherichia coli	Pratibha Singh & Ashima Srivastava	IJBT	16:211-215, 2017	Both	0.414	CSIR-NISCAIR
11	Generation of electricity by using non-mediated fuel	Pratibha Singh, Ashima Srivastava &	Journal of Scientific &	76(8), 512-514, 2017	Both	1.23	CSIR-NISCAIR

	cell by utilizing different types of wastewater	Nupoor Srivastava	Industrial Research				
12	Performance and Analysis of Physico-Chemical Treatment of Distillery Effluent and its Effects on Seed Germination	Ashima Srivastava , Pratibha Singh, Ashit Dutta, Jyoti Joshi & Pratibha Singh	ISST Journal of Applied Chemistry [ISSN: 0976-7355	Vol.9 No.2: 221-226, 2016.			
13	Application Of Microbial Fuel Cell for Electricity Generation by Using Utilizing Different Wastewater	Ashima Srivastava , Pratibha Singh, Kirti Srivastava, Pratibha Singh, Divya Ghildyal, Nupoor Srivastava & Asha Upadhyay	Poll Res.	39 (1) : 121-126, 2020	Scopus		EM International
14	Optimization of Process Parameters for generating Power by Microbial fuel cell utilizing Distillery Wastewater, Vermicompost and Escherichia coli	Pratibha Singh, Ashima Srivastava & Nupoor Srivastava	Journal of Scientific & Industrial Research	79, 736-739, 2020	Both	1.23	CSIR-NISCAIR
15	Application of Continuous Electrocoagulation Process for Distillery Wastewater Treatment	Ashima Srivastava , Kirti Srivastava, Pratibha Singh & Pratibha Singh	Journal of Scientific & Industrial Research	80, 486-490, 2021	Both	1.23	CSIR-NISCAIR

iii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Conference	Volume No./ Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1.	Photosynthesis of Xanthones by cyclisation of Aroyl-1,4-quinones –	Ashima Saxena Indu Bala Sharma, R.T. Pardasani and P. Pardasani	EUCHEM, University of York, U.K	Abst p-18, 2002			

	Organic free Radicals						
2	Effect of metal chelation on biological properties of para-hydroxyquinones, the chemistry and applications of alkoxy, aryloxy and allied derivatives of elements	Ashima Saxena Indu Bala Sharma, R.T. Pardasani and P. Pardasani.	SIOC-2002, University of Rajasthan, Jaipur	Abst PS18. 2002			
3	Self Healing in Polymers: A review	Ashima Srivastava , Roli Verma, Pratibha Singh	National Conference on Recent Trends in Materials and Devices, Amity Institute of Applied Sciences, Amity University, Noida	p 86-90, 2010			
4	Microbial Fuel Cell: Need of Clean Environment	Roli Verma, Ashima Srivastava , Pratibha Singh	All India Conference on Reducing Carbon footprints and its impact on Global Warming	p 22-23, 2010			
5	Formation of Building Blocks by Using Industrial Waste	Ashima Srivastava , Pratibha Singh	All India Conference on The Renewable Energy sources: A Plausible solution to looming energy crisis	p 45-46, 2010			
6.	Climate change problems in Himalayan Mountains	Mohit Upadhyay, Pratibha Singh and Ashima Srivastava	International Conference on Cooling the Earth (ICCE). Tactics for Restoring Climate Order and Saving the Living Planet	p 64-67, 2010			
7	Role of sustainable	Ashima Srivastava ,	National conference on	p 61, 2012			

	development for solving socio-economic, political and environmental situations in India	Pratibha Singh, and N.N. Janhavi	sustainable development and role of technologies				
8	Nanotechnology: A Door to future and its Environmental Implications	Ashima Srivastava, Pratibha Singh,	National Conference on Innovative Strategies for Science and Technology	p 63, 2013			
9	Concepts of Biodiesel-An approach for clean Energy	Ashima Srivastava, Pratibha Singh	National Seminar on Technological Advances and their Impact on Environment,	p169, 2014			
10	Role of Concentrated Solar Power in Energy Security	Ashima Srivastava	National Conference on Environmental Protection: Challenges, Responses and Mitigation Techniques	p 138- 141, 2015			
11	Green Building- A Step towards the Smart City	Ashima Srivastava, Pratibha Singh, and N.N. Janhavi	National Conference on Challenges and Vision of Smart City	pp25, 2015			
12	Preparedness for emergency and capacity to response	Pratibha Singh and Ashima Srivastava	Proceedings of the International Conference on Geo-Engineering and climate change technologies for sustainable Environmental Management	pp140, 2015			
13	Importance of advance sensing in smart cities,	Pratibha Singh, Ayushi Saxena, Ashima Srivastava	National Seminar on role of analytical sciences in sustainable development	pp42, 2016			

14	Advanced Sensing in Smart Cities: A step towards promising future Cities	Prashant Singh, Deepika Singh, Pratibha Singh, Ashima Srivastava	Proceeding of National Seminar on Innovative green technologies for sustainable sanitation, health and environment	pp.260-262, 2016			
15	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	pp.173-175, 2016			
16	Conversion of Waste Plastic to Fuel, Proceeding of	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	pp.260-262. 2016			
17	Utilization of novel algal consortium to produce biofuels and byproducts by employing approach of algal biorefinery	Satyam Bansal, Pratibha Singh, Ashima Srivastava , and Nupoor Srivastava	National Conference on Recent Advancements in Biotechnology & Bioengineering	pp 42, 2017			
18	Application of Novel biorefinery Process for production of algal biofuel	Pratibha Singh, Ashima Srivastava , Nupoor Srivastava	Proceedings of National Workshop on Instrumentation Techniques for research in Chemical Sciences	pp 4-10, 2017 (ISBN No. 978-93-5291-367-1)			
19	Effective Utilization of Various of Wastewater for Generation of Electricity by Using Non Mediated Microbial Fuel Cell	Usharani N, Pratibha Singh, Ashima Srivastava and Pratibha Singh	Proceeding of 2nd National conference on Advances in Biotechnology: An Interdisciplinary Approach	pp 20, 2018			

20	Bioconversion of food waste into value added product by adopting approach of integrated biorefinery	Pratibha Singh, Anoop Singh, Ashima Srivastava	Bio-Innovation for Environmental and Health Sustainable Developments	pp 37, 2018			
21	Electricity generation by microbial fuel cell using Dairy wastewater, vermicompost and Hostel Sewage sludge	Ashima Srivastava , Pratibha Singh, Jyoti Joshi and R.S. Jagadish	Bio-Innovation for Environmental and Health Sustainable Developments	pp 94-95, 2018			
22	Smart Energy Solution for the treatment of Distillery wastewater by Microbial fuel cell	Ashima Srivastava , Pratibha Singh, Tanya	ICCSEMS	2020			
23	Reduction of Pollution Load of Pulp and paper mill effluent using Iron Nanoparticles	Ashima Srivastava , Kirti Srivastava, Roli Verma	International Conference on Smart Innovations for Society	pp 35, 2021			
24.	Kinetic and Adsorption Isotherm studies for the removal of Heavy Metals by <i>Rhizoclonium</i> Species	Kirti Srivastava, Ashima Srivastava , Roli Verma	International Conference on Smart Innovations for Society (ICSIS-2021)	pp 28, 2021			
25.	Removal of Heavy metals by bacterial biomass	Roli Verma, Kirti Srivastava, Ashima Srivastava	International Conference on Smart Innovations for Society	pp 43, 2021			

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	Winter school on main group chemistry	Department of chemistry, IIT-Mumbai, Powai, Mumbai	18/03/2002 to 30/03/2002
2	Summer school on NMR in Chemistry: From molecules to human behaviour	Institute of Himalayan Bio-resource Technology, Palampur, HP	25/06/2002 to 05/07 2002
3	Third Asian Photochemistry conference (APC 2002)	BRNS & BARC, Hotel Centaur, Mumbai	06/01/2002 to 11/01/2002
4	SIOC-2002	University of Rajasthan, Jaipur	13/01/2002 to 17/01/2002
5	Decentralised Power Generation using Biomass Gasifier Technology	RIET Jaipur, sponsored by Ministry of non-conventional Energy Sources, Govt. of India, New Delhi.	21/10/2005
6	Task force for Women in science	RCEW, Jaipur sponsored by Department of Science and Technology, Government of India, New Delhi.	02/11/2006 to 03/11/2006
7	National Conference on Recent Trends in Materials and Devices	Amity Institute of Applied Sciences, Amity University, Noida	20/05/2010 to 22/05/2010
8	All India Conference on Reducing Carbon footprints and its impact on Global Warming	Rajasthan College of Engineering for Women (RCEW), Jaipur	20/08/2010 to 21/08/2010
9	All India Conference on The Renewable Energy sources: A Plausible solution to looming energy crisis	Rajasthan College of Engineering for Women (RCEW)	17/09/2010 to 19/09/2010
10	National conference on sustainable development and role of technologies (NCSVRT-12)	Rajasthan College of Engineering for Women, Jaipur	18/05/2012 to 19/05/2012
11	National Conference on Innovative Strategies for Science and Technology (ISST-2013)	Indraprastha Engineering college, Ghaziabad	30/11/2013
12	National Seminar on Technological Advances and their Impact on Environment	Poornima College of Engineering, Jaipur	22/04/2014
13	NCEP: Challenges, Responses and Mitigation Techniques	Rajasthan College of Engineering for Women, Jaipur	20/02/2015 to 21/02/2015

14	National Conference on Challenges and Vision of Smart City	Department of Geography, Delhi University, New Delhi	06/04/2015
15	International Conference on Geo-Engineering and climate change technologies for sustainable Environmental Management (GCCT-2015)	MNNIT Allahabad, India	09/10/2015 to 11/10/2015
16	National Seminar on role of analytical sciences in sustainable development, RASSD-2016	Hansraj College, University of Delhi	04/03/2016 to 05/03/2016
17	National Seminar on Innovative green technologies for sustainable sanitation, health and environment (IGTHE-2016).	Poornima College of Engineering, Jaipur	22/04/2016
18	Proceedings of National Workshop on Instrumentation Techniques for research in Chemical Sciences, 22-23 December 2017.	Shri Govind Guru Government College, Banswara	22/12/2017 to 23/012/2017
19	Proceeding of 2nd National conference on Advances in Biotechnology: An Interdisciplinary Approach	Sharda University, Greater Noida	02/11/2018 to 03/11/2018
20	International Conference on Bio-Innovation for Environ and Health Sustainable Developments (BEHSD-2018)	CSIR-Indian Institute of Toxicology Research (CSIR-IITR), Lucknow	27/11/2018 to 28/11/2018
21	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
22	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	One Week FDP on Green Chemistry and Clean Technology (GCCT-2018)	sponsored by AKTU, Lucknow at JSS Academy of Technical Education, NOIDA	11/06/2018 to 15/06/2018	Deputy Coordinator

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

v. 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 courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	Stereochemistry	IIT, Kharagpur	24/09/2017	Silver/78%
2	Coordination Chemistry	IIT, Kharagpur	22/10/2017	Gold/93%
3	Non-conventional Energy Resources	IIT, Madras	21/04/2019	Gold/91%
4	Nanotechnology- Science and Applications	IIT, Madras	29/09/2019	Silver/73%
5	Waste to Energy	IIT, Roorkee	20/07/2020	Gold 99%
6.	Municipal solid waste Management	IIT, Guwahati	20/12/2020	Silver/79%
7.	Electronic waste Management	IIT, Kharagpur	29/03/2021	Gold/91%

10.Membership of Professional Bodies:

<ol style="list-style-type: none"> 1. Life Membership Indian Society of Analytical Scientists – Delhi Chapter (ISAS-DC) 2. Life Member Green Chemistry-Delhi Chapter
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11. Any other information you will like to share about your professional experience

i. Refresher Courses attended

Sl.No.	Title of Refresher Course	Venue & Date
1.	Recent Trends in Chemistry	CPDHE, Delhi University, 26/12/2012 to 15/01/2013
2.	Geography and Environmental studies	Academic Staff College, Jamia Milia Islamia College, New Delhi during 02/07/2014 to 22/07/2014.
3.	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	ICT by NITTTR, Chandigarh at JSS Academy of Technical Education, NOIDA from 07/03/2016 to 11/03/2016
2.	Sustainable Environmental Management	ICT by NITTTR, Chandigarh at JSS Academy of Technical Education, NOIDA from 14/03/2016 to 18/03/2016
3.	Earthquake risk Management	ICT by NITTTR, Chandigarh at JSS Academy of Technical Education, NOIDA from 05/05/2017 to 09/05/2017

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 Deputy Coordinator 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>Youth For A Cause</i> . Supervised several events of the society throughout the year with special mention of college fest Zealicon.

5	Member of Sessional Examination Cell for B.Tech. First Year since 2017.
6	Member of Mythri (Sports Fest) Organizing team.
7	Worked as Assistant Centre Superintendent in University Exam cell, UPTU, Lucknow, 2014-15.
8	Worked as Centre Controller, UPTU Entrance Examination at RKGIT College, Ghaziabad, 2010.