

VIKRAMAJIT SINGH SANATAN DHARMA COLLEGE, KANPUR

Department of Chemistry



PROFILE OF DR KAVITA SRIVASTAVA

- (i) General Information
- a. Name : **Dr. Kavita Srivastava**
- b. Address (Residential) : 34-A, Vikas Nagar, Kanpur – 208 024.
- c. Designation : Assistant Professor (AGP : 7000)
Regularized on March 08, 2019 before that
I was in NMD from Sept 07, 2010 to
March 07, 2019.
- d. Department : Chemistry
- e. Date of Birth : 02.01.1967
- f. Email Id : raizadakavita67@gmail.com;
kavsri97@gmail.com
- g. Area of Specialization : Applied Chemistry & Polymers

(A) **Academic Qualifications** : M Sc. Ph D.

Research Experience & Training

Research Stage	Title of work/Thesis	University where the work was carried out
Ph.D.	Studies on effect of orientation of various phenols on the physico-chemical properties of blends of epoxy and resole	V.S.S.D. College, Kanpur (CSJM University, Kanpur)
Publications (give a list separately)	Refer Annexure I	
Research guidance (give name of students guided successfully)	Minor Project Guidance PG Level : 03 Ph D Guidance : 02	CSJM Univ., Kanpur HBTU, Kanpur

B) **Research Projects carried out** : Co-Supervisor

Title of the Project	Funding Agency	Project Cost (Rs)
Development of carbon nanotubes and grapheme oxide	UPCST, Lucknow	11.94 Lakhs

(GO) from plastic waste for multifarious applications		
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Teaching Experience

- a) Under Graduate (Pass) : 14 years
 b) Post Graduate : 14 years

C) Seminars, Conferences, Symposia, Workshops, etc. attended

Name of the Seminars, Conferences, Symposia, Workshops, etc.	Name of the sponsoring agency	Duration
59 th Annual Session : Chemical Engineering Congress CHEMCON 2006	IChEAnkleshwar Regional Centre, GNFC Ltd., Bharuch	Dec. 27-30, 2006
Recent Advances in Polymer Technology (RAPT 2011)	North Maharashtra University, Jalgoan	Jan. 16, 2011
National seminar on Multifaceted Scope of Chemistry & Human Welfare	Organised by Department of Chemistry, D.B.S. (P.G.) College (CSJM University), Kanpur Sponsored by UGC, New Delhi	Jan. 22-23, 2011
National Conference on Advancement of Nano Materials and its Applications	Organised by Department of Physics, DAV College, Kanpur (CSJM University), Kanpur Sponsored by CSIR, New Delhi	Feb. 15-16, 2011
International Conference on Chemistry : Frontiers and Challenges	Organised by Department of Chemistry, Aligarh Muslim University, Aligarh	March 5-6, 2011
Science Academies' Workshop on Advances in Bio-inorganic and Nano Chemistry	Organised by Department of Chemistry, DAV College, Kanpur (CSJM University), Kanpur	Nov. 12-13, 2011
National Conference on Advanced Polymers, Fibers and Fabrics (APF ² 2011)	DMSRDE, Kanpur	Dec. 26-28. 2011
Prof P N Tandon Memorial week-ends Lecture Series on Modeling and Computing	HBTI, Kanpur	Feb. 18 – March 18, 2012
All India Seminar Recent Techniques & Future of Information Technology	Jointly organized by Computer Engineering Division, The Institution of Engineers (India) Kanpur Local Centre & UPSC, Lucknow and Department of Computer Science and Engineering, HBTI, Kanpur	Sept 22-23, 2012
National Seminar on Science for Shaping the Future of India	Indian Science Congress Association, Kanpur Chapter,	Dec. 3-4, 2012

	Department of Zoology, DAV College and DG College, Kanpur	
Workshop on Environmental Degradation : Anthropogenic Problems and their Prospects	Faculty of Science, Harsahai P.G. College, Kanpur (CSJM University, Kanpur)	Jan. 23, 2013
Regional Rural Science Congress on Innovations in Science and Technology for Inclusive Development	Indian Science Congress Association, Kanpur Chapter, Department of Zoology, DAV College and Dr. VirendraSwaroop Education Centre, Unnao	Nov. 23-24, 2013
Faculty Development Programme on Advances in Enzyme Production & their Industrial Application	Organised by Biochemical Engineering and Food Technology, HBTI, Kanpur & Sponsored by TEQIP – II	Dec. 19-24, 2013
Conference on Microscopy in Materials Science & Biomimetic Technology	DMSRDE, Kanpur	Feb 26-28, 2015
Workshop on Water infrastructure management for performance, resiliency and sustainability	IIT, Kanpur	Dec. 17-18, 2015
National seminar on Recent innovations in Advanced Materials	CSIR-AMPRI, Bhopal	Dec. 29, 2015
National seminar on Biodiversity conservation and sustainable development	BND College, Kanpur	Jan. 20, 2016
National conference on Advances in Material Design and Manufacturing	Allenhouse Institute of Technology, Kanpur	Jan. 30-31, 2016
International conference on futuristic materials and emerging trends in chemical sciences	Dept. of Chemistry, DBS college, Kanpur,	Feb. 8-10, 2016
International workshop on Educational Technology and Green ICT	Faculty of Engg & Tech., Rama University, Kanpur	March 09, 2016
National conference on Current Advances in Science & Technology (CAST 2016)	Dept. of Applied Science & Humanities, Rama University, Kanpur	March 19, 2016
India International Science Festival	Lucknow	Oct. 3-8, 2018
International Conference on “Advances in Textile Materials and Processes (ATMP 2018)	At IIT Kanpur organized by UPTTI, Kanpur in Collaboration with KIT, IIT.	Nov 19-20, 2018
International Conference on “Value Addition in Oilseeds, oil and Derivatives through Innovative Technologies”	At IIT, BHU, Varanasi organized by OTAI, BHU Chapter in Collaboration with OTAI, HBTU, Kanpur.	Dec 22-23, 2018
National Seminar on “Food	Department of Chemistry, DAV	September 25-26, 2019

Chemistry, Processed Food & Toxicology”	(PG) College, Kanpur and sponsored by Board of Management, DAV (PG) College, Kanpur held at DAV (PG) College, Kanpur	
National Seminar on “Application of Elements of Periodic Table in Natural Sciences”	Department of Chemistry and Department of Physics, Christ Church College, Kanpur	November 14-15, 2019
1 st International Conference on Environment and Society (ICES 2019) with theme “Socio-economic Challenges of Agriculture, Biodiversity & Environment”	Global Environment & Social Association (GESA), New Delhi; Harcourt Butler Technical University (HBTU), Kanpur; DG PG College, Kanpur; Indian Thinkers Society (ITS), Kanpur; Asian Biological Research Foundation (ABRF), India; Department of Biotechnology, Govt of India held at HBTU, Kanpur	December 22-23, 2019
National Seminar on “Recent Advanced Techniques in Analytical Chemistry”	Sponsored by Department of Higher Education, Government of Uttar Pradesh and organized by Department of Chemistry, Dayanand Girls’ (PG) College, Kanpur held at Dayanand Girls’ (PG) College, Kanpur	January 16-17, 2020
National Seminar on “Online Teaching-Learning and Higher Education in India”	Organized by Department of Political Science, Government Girls PG College Binki, Fatehpur at Department of Political Science, Government Girls PG College Bindki, Fatehpur	March 29-30, 2022
International Conference (CHEMCON – 2022) on “Sustainability in Chemical Processes through Digitalization, Artificial Intelligence and Green Chemistry”	Organized by Harcourt Butler Technical University, Kanpur	December 27-30, 2022
National Seminar on “Right to Health : Problems and Future Prospects”	Organized by Department of Law, VSSD College, Kanpur	February 19-20, 2023
9 th PACT Vision Seminar on Advances in Frontiers of Paint and Printing Ink Technology	Jointly organized by Paint and Coating Technologists’ Association (PACT), Department of Paint Technology, HBTU, Kanpur and Printing Ink Technologist Association	March 18-19, 2023
International conference on CHEM-TECHNOVA 2023	Organized by IChE-Student Chapter, Kanpur and Dept of Chemical Engg, HBTU, Kanpur	May 26-27, 2023
National Seminar on Climate change and water security : Environment and Health concerns	Brahmanand P G Colleg, Kanpur	Nov 3-4, 2023
Two days workshop on Recent advances in water purification and waste water treatment	Jointly organized by Department of Chemical Engineering and Biochemical Engineering, HBTU,	Nov 29-30, 2023

	Kanpiur	
International conference on Advancement in Energy	Organized by Department of Mechanical Engineering, MNNIT, Allahabad	Dec 18-20, 2023
International conference on global perspectives in pedagogy-Innovations and Challenges in the teaching-learning continuum	Jointly organized by Institute of Educational Technology & Vocational Education, Panjab University, Chandigarh and Department of Educational Studies, Jamia Millia Ismalia, University, New Delhi	Jan 17-18, 2024
Workshop on Intellectual Property Rights	Sponsored by Council of Science & Technology, UP and organized by Harcourt Butler Technical University, Kanpur	Jan 29, 2024
International conference CHEM-TECHNOVA 2024 on Sustainable Green Chemical Technologies : Challenges and opportunities	Jointly organized by Department of Chemical Engineering and Biochemical Engineering, HBTU, Kanpur co-sponsored by American Chemical Society	March 21-23, 2024
International Conference INDACON 2025 on “Chemical Resilience & Sustainable Practices : Advanced materials in water purification strategies for Desalination, Energy production & Environmental conservation”	Jointly organized by Department of Chemical Engineering and Biochemical Engineering, HBTU, Kanpur and Indian Desalination Association in collaboration with Dallousie University, Canada	Feburary 20-22, 2025

Administrative Assignments

- Member of Admission committee in B Sc III from session 2012-2018 and in M Sc from the year 2018 to Till Date.
- Worked as Assistant Exam Supritendent (AS) in the year 2022.
- Member of Research Project Evaluation Committee of M Sc students in the year 2023-24.

ANNEXURE I

List of Publications

S. No.	Title of the papers published	Authors	Name of the Journal	Publication Details i.e. Volume, No., Year, Pages, etc.
1.	Mechanical and Rheological Study of Reduced Graphene Oxide filled thermoplastic polyester elastomer nanocomposites	Gyanesh Katiyar, Kavita Srivastava , Deepak Srivastava and Arun Maithani	J Harbin Engg Univ.	Vol 45, No. 10., pp. 122-130, 2024.
2.	Co-pyrolysis of diaper cellulose and sugarcane bagasse : Investigating Kinetics, Thermodynamics, and possible synergies	Parul Dwivedi, Ashwani Kumar Rathore, Deepak Srivastava, R K Mishra, Kavita Srivastava	J Hazardous, Toxic, and Radioactive waste mgmt	Vol 28 (4), pp. 04024016-1 to 04024016-9, 2024
3	Simulation of the thermal degradation and curing kinetics of fly ash reinforced diglycidyl ether bisphenol A composite	Shilpi Tiwari, Chhagan Lal Gehlot, Kavita Srivastava and Deepak Srivastava	J. Ind. Chem. Soc.	98 (6), pp 10077, 2021
4.	Epoxy/Fly ash from thermal power plant/nanofiller nanocomposite : Studies on mechanical and thermal properties : A Review	Shilpi Tiwari, Kavita Srivastava , C L Gehlot, & Deepak Srivastava	Intl. J Waste Resources	Vol 10, Issue 1, No. 375, pp 1-16, 2020
5.	Studies on mechanical and thermal properties of epoxy/fly ash/nanofiller nanocomposites	Shilpi Tiwari, Kavita Srivastava , Chhagan Lal Gehlot, & Deepak Srivastava	Intl. J. civil engg. and Tech.	11 (2), pp 120-139, 2020
6.	Reactive extraction of caproic acid using mixed tertiary extracStudies on thermal tant in non-toxic diluents	Praneet Mishra, Kavita Srivastava , Deepak Srivastava, and A K Rathore	Intl. J. res. applied sci. engg.	Vol 7 (Issue X), pp 82-86, 2019
7.	Studies on the structural changes during curing of epoxy and it's blend with CTBN	Kavita Srivastava , Ashwani Kumar Rathore and Deepak Srivastava	Spectrochemi ca Acta Part A : Molecular and Bimolecular spectroscopy	181, pp 99-105, 2018
8.	Renewable resource material – I : A study to utilize the potential attributes of cardanol	Kavita Srivastava and Deepak Srivastava	Intl J community Sci Tech	3 (1), pp 13-18, 2017
-9.	Studies on the kinetics of copolymerization of methacrylate and fullerene using bismuthonium ylide-mercuric chloride complex as initiator	Kavita Srivastava , Ravindra Singh and Deepak Srivastava	Intl J community Sci Tech.	3 (1), pp 19-26, 2017
10.	Extraction of propionic acid from	Sarvesh Patal, Sunder	Intl J Engg.	3 (6), pp 730-733,

	aqueous solution using tributyl phosphate in modified soybean oil	Lal Pal, Alok Deep, Kavita Srivastava , Deepak Srivastava, Diwakar Z Shende, and A K Rathore	And Techniques	2017
11.	Studies on the effect of concentration of HTPB on the physic-thermal and physic-mechanical properties of blends of isocyanate-terminated prepolymer from epoxy novolac resin and HTPB	Kavita Srivastava , Manoj Kumar Kaushik, Deepak Srivastava and Santosh K. Tripathi	Intl. Innov. Res. Sci. Engg. Tech.	5(3), 3560-3567, 2016
12.	Bioremediation : Its Limitations & Recent Developments in Solid Waste Management	Kavita Srivastava , Kiran Singh, Shalini Dwivedi & Santosh Kumar Tripathi	Biochem. Cellu. Archiv.	16 (Suppl.), 206, 2016
13.	Microwave-assisted synthesis and characterization of resole-type phenolic resins	Kavita Srivastava , D. Srivastava, S K Tripathi	High Performance Polymers	27 (1), pp 19-30, 2015
14.	Physical and chemical toughening of cardanol-based vinyl ester resin using CTBN : A study on spectral, thermal and morphological characteristics	M S Garg, Kavita Srivastava , D. Srivastava	Progress in Organic Coatings	76, pp 307-317, 2015
15.	Synthesis, spectral and thermal degradation kinetics of the epoxidized resole resin derived from cardanol	S K Shukla. Kavita Srivastava , D. Srivastava	Advances in Polymer Technology	34 (1), pp21469 (1-8), 2015
16..	Studies on the thermal, mechanical and chemical resistance properties of natural resource derived polymers	Shrawan Kumar Shukla, Kavita Srivastava and Deepak Srivastava	Materials Research	18, pp 1217-1223, 2015
17.	Study of degradation kinetics of bio-based vinyl ester resin using thermogravimetic analyzer	M S Garg, Kavita Srivastava , D. Srivastava	Malaysian Polymer Journal	9, pp 10-17, 2014
18.	Studies on the effect of curing agent concentration and type of phenol on various physic-chemical properties of resole and epoxy blends	Kavita Srivastava , D. Srivastava, S K Tripathi	Journal of Applied Polymer Science	110 (6), pp 3812-3819, 2008
19.	Synthesis and characterization of resoles and their blends with epoxy resin : A review	Kavita Srivastava , C Kumar, D Srivastava, S K Tripathi	Macromolecules – An Indian Journal	3 (4), pp 176-200, 2007
20.	The effect of orientation of various phenols on the degradation kinetics of blends of resole and epoxy	Kavita Srivastava , M K Kaushik, D Srivastava, S K Tripathi	Journal of Applied Polymer Science	102 (5), 4171-4176, 2006

Papers presented by **Dr Kavita Srivastava** and **Co-authors** in various national and international seminars/conferences

S. No.	Title of the paper presented	Title of conference/ seminar	Organized by/ Held at	Whether international/national	Presented /attended	Co-Authors	Duration
1.	Synthesis and characterization of cardanol-furfural novolac-type phenolic resins	International conference INDACON 2025 on “Chemical Resilience & Sustainable Practices : Advanced materials in water purification strategies for Desalination, Energy production & Environmental conservation”	Jointly organized by Department of Chemical Engineering and Biochemical Engineering, HBTU, Kanpur and Indian Desalination Association in collaboration with Dallousie University, Canada	International	Presented	Dr Deepak Srivastava	Feb. 20-22, 2025
2.	CNTCS/Epoxy nano composite : A Study on Mechanical and Morphological Properties	Third International Conference CHEM-TECHNOVA 2025 on “ Greening the Future : Innovations and Challenges in Sustainable Chemical Engineering”	Jointly organized by Department of Chemical Engineering & IChE-Student Chapter, HBTU, Kanpur in collaboration with Dallousie University, Canada	International	Presented	Ms Pragati Sachan, Parul Dwivedi, Ashwani Kumar rathore, and Deepak Srivastava	April 03-05, 2025

3.	To study the effect of nano TiO ₂ on thermal, mechanical and morphological characteristics of starch-based bioplastics	International conference CHEM-TECHNOVA on Sustainable green chemical technologies : Challenges and Opportunities	Jointly organized by Department of Chemical Engg, Department of Bio-chemical Engg & IChE Student Chapter, HBTU, Kanpur and Co-sponsored by American Chemical Society	International	Presented	Pragati Sachan, Parul Dwivedi, Ashwani Kumar Rathore, Deepak Srivastava	March 21-23, 2024
3.	Blended Learning : A Creative Teaching Approach of Learning	International Conference on “Global Perspectives in Pedagogy : Innovations and Challenges in the Teaching-Learning Continuum”	Jointly organized by Kannur Salafi B Ed College, Kannur, Kerala, Institute of Educational Technology and Vocational Education, Punjab University, Chandigarh, Department of Educational Studies, Jamia Millia Islamia, New Delhi and Department of Education, Mother Teresa Women’s	International	Presented	NIL	Jan 17-18, 2024

			University, Kodaikanal				
4.	Elastomeric nanocomposites from waste nonwoven PP fibres, taken off from medical face masks and NBR : Studies on mechanical, thermal and electrical properties	First International Conference on Advancement in Energy UrjaSangam 2023	Organized by Department of Mechanical Engg, MNNIT, Allahabad, Prayagraj	International	Presented	Harendra Kumar, Ashwani Kumar Rathore, and Deepak Srivastava	Dec. 18-20, 2023
5.	The relationship between climate change and “within country inequalities” : A Basic Understanding	National Conference on Climate Change and Water Security : Environment and Health Concerns	Organized by Brahmanand P G College, Kanpur and sponsored by CSJM University, Kanpur	National	Presented	NIL	Nov. 3-4, 2023
6.	Overcoming the treat in modern civilization through plastic waste	International conference on CHEM-TECHNOVA 2023	Jointly organized by IICHe – Student Chapter and Department of Chemical Engg, SoCT, HBTU, Kanpur	International	Presented	NIL	May 26-27, 2023
7.	Composite Fabrication of nano-scale powdered cenosphere and epoxy resin	International conference on CHEM-TECHNOVA 2023	Jointly organized by IICHe – Student Chapter and Department of Chemical Engg, SoCT, HBTU, Kanpur	International	Presented	NIL	May 26-27, 2023
8.	Studies on the chemical resistance of epoxy/flyash/nanofillers nano-composite coatings	9 th PACT VISION Seminar on Advances in frontiers of Paint & Printing Ink	Jointly organized by PACT, Department of Paint of Paint	National	Presented	NIL	March 18-19, 2023

		Technology	Technology, HBTU, Kanpur and Printing Ink Technologist Alumni (PITA)				
9.	Studies on Chemical Properties of cardanol based epoxidized resole resin for application on surface coating	9 th PACT VISION Seminar on Advances in frontiers of Paint & Printing Ink Technology	Jointly organized by PACT, Department of Paint Technology, HBTU, Kanpur and Printing Ink Technologist Alumni (PITA)	National	Presented	NIL	March 18-19, 2023
10.	Role of 3-methacryloxy propyl trimethoxysilane in surface modification of inorganic nanofillers and the effect on the properties of epoxy nano composites	Indian Chemical Engineering Congress & 75 th Annual Session of Indian Institute of Chemical Engineers CHEMCON 2022, an international conference on "Sustainability in Chemical Processes through Digitalization, Artificial Intelligence and Green Chemistry	Organized by Department of Chemical Engineering, HBTU, Kanpur	International	Presented	Shilpi Tiwari, C L Gehlot, Deepak Srivastava	Dec. 27-30, 2022
11	PromisingFly ash	National Seminar on Recent Advances in Analytical Chemistry	Organized by Department of Chemistry, Dayanand (P G) College, Kanpur and sponsored by Department of Higher	National	Presented	NIL	Jan 16-17, 2020

			Education, Govt of UP				
12	Epoxy/Flyash from thermal power plant/Nonofiller nanocomposites : Studies on Mechanical and Thermal Properties	First International Conference on Environment and Society (ICES 2019) on Socio-economic challenges of agriculture, biodiversity & Environment	Jointly organized by Global Environment & Social Association (GESA), New Delhi, HBTU, Kanpur, DG PG College, Kanpur, Indian Thinkers Society (ITS), Kanpur, Asian Biological Research Foundation (ABRF), India and Department of Biotechnology, Govt of India	International	Presented	NIL	Dec 22-23, 2019
13.	Plastic packaging Materials for Food Applications : A Comparison of Materials used for Packaging Purposes	National Seminar on “Food Chemistry, Processed Food and Toxicology”	Organized by Department of Chemistry, DAV (PG) College, Kanpur	National	Presented	NIL	Sept 25-26, 2019
14.	Phenol-based cardanol-formaldehyde on morphological properties	National Seminar on “Developments and opportunities in Material Science”	Organized by Department of Physics, DBS College, Kanpur	National	Presented	NIL	Feb 02, 2019
15.	Oil/Oil related products and Plastic Packaging	Value Addition in Oilseeds, oil and Derivatives through	OTAI, BHU Chapter in Collaboration	International	Presented	-	Dec 22-23, 2018

		Innovative Technologies	with OTAI, HBTU, Kanpur held at IIT, BHU				
16.	Epoxy Nano Composites : A Study on Thermal and Morphological Properties	International Conference on “Advances in Textile Materials and Processes (ATMP 2018)	UPTTI, Kanpur in Collaboration with KIT, IIT	International	Presented	-	Nov 19-20, 2018
17.	Delegate	India International Science Festival	Lucknow	International	Attended	-	Oct. 3-8, 2018
18.	Plastic Packaging Materials for Food Applications : A Comparison of Materials used for packaging purposes	National Seminar on “Food Chemistry, Processed Food & Toxicology”	Department of Chemistry, DAV (PG) College, Kanpur and sponsored by Board of Management, DAV (PG) College, Kanpur held at DAV (PG) College, Kanpur	National	Presented	-	September 25-26, 2016
19.	Studies on thermal and mechanical properties of isocyanate-terminated prepolymer from epoxy novolac resin and HTPB	National conference on Current Advances in Science & Technology (CAST 2016)	Dept. of Applied Sciences and Humanities, Rama University, Kanpur	National	Presented by Kavita Srivastava	Deepak Srivastava, Santosh K. Tripathi	March 19, 2016
20.	Modification of resole-type phenolic resin with nano filler : A study on thermal and morphological properties	International conference on Futuristic Materials & Emerging Trends in Chemical Sciences (ICOFMAETICS-2016)	Dept. of Chemistry, DBS College, Kanpur	International	Presented by Kavita Srivastava	Anuradha Tiwari, Santosh K. Tripathi	Feb. 8-10, 2016
21.	Bioremediation : Its limitations and recent	National	Dept. of	National	Presented	Kiran Singh,	Jan. 20,

	developments in solid waste management	conference on Biodiversity Conservation and Sustainable Development	Chemistry, BND College, Kanpur		by Kavita Srivastava	Shalini Dwivedi and Santosk K. Tripathi	2016
22.	Studies on the toughening of thermosetting resin using elastomeric modifier	National conference on Advances in Material Design and Manufacturing (AMDM-2016)	Allenhouse Institute of Technology, Kanpur	National	Presented by Kavita Srivastava	Sharawan K. Shukla, Shailesh K. Shukla, Deepak Srivastava	Jan. 30-31, 2016
23.	Studies on the resins for coatings from natural resource material	National seminar on Recent Innovations in Advanced Materials	CSIR-AMPRI, Bhopal	National	Presented by Kavita Srivastava	Santosh K. Tripathi	Dec. 29, 2015
24.	Furan substituted bio-renewable epoxy resin: A study on its mechanical and chemical characterization	National Conference on Innovations in Materials, Design & Manufacturing	Department of Mechanical Engineering at HBTI, Kanpur	National	Presented by Co-author Riya Srivastava	Kavita Srivastava, Deepak Srivastava	March 27-28, 2015
25.	Studies on the physico-mechanical and morphological characteristics of ternary blends of epoxy resins	National Conference on Innovations in Materials, Design & Manufacturing	Department of Mechanical Engineering at HBTI, Kanpur	National	Presented by Co-author Riya Srivastava	Kavita Srivastava, Deepak Srivastava	March 27-28, 2015
26.	Studies on the properties of resole type phenolic resin derived from natural resources	National Conference on Innovations in Materials, Design & Manufacturing	Department of Mechanical Engineering at HBTI, Kanpur	National	Presented by Co-author Shrawan Kr. Shukla	Kavita Srivastava, Deepak Srivastava	March 27-28, 2015
27.	Thermal and morphological characteristics of cardanol based modified epoxy resin for use in surface coatings	Conference on Microscopy in Material Science and Biomimetic Technology	Academy of Microscope Science and Technology at DMSRDE, GT Road, Kanpur	National	Presented by Co-author Shrawan Kr. Shukla	Kavita Srivastava, and Deepak Srivastava	Feb. 26-28, 2015

28.	Studies on the dynamic mechanical and morphological characteristics of blends of cycloaliphatic epoxy resin and CTBN liquid elastomer	Conference on Microscopy in Material Science and Biomimetic Technology	Academy of Microscope Science and Technology at DMSRDE, GT Road, Kanpur	National	Presented by Kavita Srivastava	Riya Srivastava, and Deepak Srivastava	Feb. 26-28, 2015
29.	Nano-biocomposites from renewable resources: a Novel Biodegradable Material	Regional Rural Science Congress on Innovations in Science and Technology for Inclusive Development	Indian Science Congress Association (ISCA Kanpur Chapter) Dept. of Zoology, D.A.V. College & D.G. College Kanpur held at Dr. Virendra Swarup Education Centre, Unnao	National	Presented by Co-author Shrawan Kr. Shukla	Kavita Srivastava, and Deepak Srivastava	Nov. 23-24, 2013
30.	A comparative study on the reaction kinetics of cardanol and maleic anhydride using different catalysts	National Seminar "Science for Shaping the Future of India"	Indian Science Congress Association (ISCA), Kanpur Chapter, Dept. of Zoology, DAV College & DG College, Kanpur	National	Presented by Co-author Shrawan Kr. Shukla	Riya Srivastava, Kavita Srivastava, Deepak Srivastava	Dec. 3-4, 2012
31.	A study on polymer material for an alternative source of high capacity storage media	National Seminar "Science for Shaping the Future of India"	Indian Science Congress Association (ISCA), Kanpur	National	Presented by Co-author Riya Srivastava	Shrawan Kr. Shukla, Kavita Srivastava, Deepak Srivastava	Dec. 3-4, 2012

			Chapter, Dept. of Zoology, DAV College & DG College, Kanpur				
32.	Interpenetrating Polymer Networks	National Seminar “Science for Shaping the Future of India”	Indian Science Congress Association (ISCA), Kanpur Chapter, Dept. of Zoology, DAV College & DG College, Kanpur	National	Presented by Kavita Srivastava	Shalini Dwivedi, Kiran Singh	Dec. 3-4, 2012
33.	Recent Advances in molecular modeling and computer aided drug design : An overview	All India seminar on Recent Techniques and Future of Information Technology (RTFIT 2012)	Institute of Engineers and Department of Computer Science, HBTI, Kanpur	National	Presented by Co-author Priti Shukla	Shailesh K. Shukla and Kavita Srivastava	Sept. 22-23, 2012
34.	A study on the influence of the temperature on the formation of cardanol-based phenolic resin	First International conference on functional Materials for defense (ICFMD-2012)	Defense Institute of Advanced Technology, (DIAT), Pune, India	International	Presented by Co-author Priti Shukla	Shrawan K. Shukla, Priti Shukla, and Deepak Srivastava	May 18-20, 2012
35.	Natural resin for application in coatings	National Seminar on Multifaceted Scope of Chemistry & Human Welfare	Organised by Department of Chemistry, DBS (PG) College, Kanpur	National	Presented by Kavita Srivastava	Manoj K. Kaushik, Santosh K. Tripathi	Jan. 22-23, 2011
36.	Study on Physico-mechanical and physico-chemical properties of	Third conference on Recent Advances in	North Maharashtra University,	National	Presented by Kavita Srivastava	Priti Shukla, Shrawan K. Shukla, S. K.	Jan. 15, 2011

	acrylic based adhesive	Polymer Technology (RAPT-2011)	Jalgaon.			Tripathi and Deepak Srivastava	
37.	Bio-mass based polymer from renewable resource: A critical viewpoint	Third conference on Recent Advances in Polymer Technology (RAPT-2011)	North Maharashtra University, Jalgaon.	National	Presented by Co-author Shrawan Kr. Shukla	Shrawan Kr. Shukla, PritiShukla, Deepak Srivastava	Jan. 15, 2011
38.	Recent developments in acrylic cement for total hip replacements	Third conference on Recent Advances in Polymer Technology (RAPT-2011)	North Maharashtra University, Jalgaon.	National	Presented by Kavita Srivastava	Shrawan K. Shukla, S. K. Tripathi	Jan. 15, 2011
39.	Mechanical and thermal properties of epoxy, resole and carboxyl-terminated polybutadiene (CTPB) blend	National conference on AAdvanced Polymers, Fibers & Fabrics (APF ² – 2011)	DMSRDE, Kanpur & The Society of Polymer Science, India, Kanpur-Lucknow Chapter	National	Presented by Kavita Srivastava		Dec. 26-28, 2011
40.	Studies on the effect of curing agent one and type of phenol on the degradation kinetics	59 th Annual Session Chemical Engineering Congress CHEMCON 2006	IICHEAnkles hwar Regional Centre at GNFC Ltd., Bharuch	National	Presented by Kavita Srivastava	Deepak Srivastava, S. K. Tripathi	Dec. 27-30, 2006

Guidance for Seminar : 12

Attended Faculty Development Programme : 12

Attended Refresher Course : 02

Attended Orientation Programme : 01

Book Chapters : 06

Patent (Published) : 05

Invited Lectures : 03

Details of Book Chapters

International

- Manoj Kumar Shukla, Archana Mishra, Kavita Srivastava, A K Rathore and Deepak Srivastava (2017), “DGEBA Epoxy/CaCO₃ Nanocomposites for improved Chemical Resistance and Mechanical Properties for Coating Applications” in *Trends and Applications in Advanced Polymeric Materials*, Sanjay K. Nayak, Smita Mohanty, and Lakshmi Unnikrishnana (eds.), John Wiley & Sons, USA (Publisher), Chapter 2, pp. 23-44, ISBN (Cloth) : 9781119363637.
- Parul Dwivedi, Ashwani Kumar Rathore, Deepak Srivastava, Jitendra Bhaskar, Kavita Srivastava, Deepa Agrahari and Shilpi Tiwari (2023), “Investigation of Novel Epoxy/Mixed plastic waste Char nanocomposite: Mechanical, thermal, and morphological properties”, *Recent Advances in Manufacturing and Thermal Engineering*, Anil Kumar, Mohammad Zunaid, K A Subramanian, and Heechang Lim (Eds), SpringerLink, Chapter 33, pp 451-464, ISBN : 978-981-97-1079-9
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National

- Kavita Srivastava (2022), “Crafting out novel aspects in *ONLINE* teaching and earning”, *भारत में उच्च शिक्षा एवं आनलाइन शिक्षण*, Dr Arvind Kumar Shukla (Ed.), IJARMS Publications, Chapter 28, pp 165-167, ISBN : 978-81-958911-1-5.
- Pragati Sachan, Kavita Srivastava and Deepak Srivastava (2024), “Reuse Plastic Waste : An Approach to Save Environment”, *Climate Change and Water Security: Environment and Health Concerns*, Prof Pankej Pandey (Chief Ed.); Prof Rita Awasti, Dr Amit Kumar, and Prof Meet Kamal (Eds), Bhakti Prakashan, Kanpur (Publisher), Chapter 1, pp 1-6, ISBN : 978-81-949874-6-8
- Kavita Srivastava (2024), “Machine Learning Algorithm Trained on Existing Datasets to learn and improve”, *Artificial Intelligence Technology and Cyber Law – Challenges and future prospects*, Prof Ajay Bhupendra Jaiswal, Ms Amrita Verma, Gyanendra Singh, Vishal Gupta, and Kaushiki Trivedi (Eds), Integrity Education India (Publisher), Chapter 31, pp 287- 290, ISBN 13 : 978-81-976436-0-6

Details of Patent Published

- Published in Indian Patent with application No 202111011903 A titled “High toughness epoxy/Bamboo Char Composite reinforced with Silanized TiO₂ nano particles” having applicant names Dr Deepak Srivastava, Dr Ashwani Kumar Rathore, Dr KAVita Srivastava, and Ms Shilpi Tiwari, 26.03.2021 (Publication Date).
- Published in Indian Patent with application No 202411032277 titled “Pyrolysisbased plastic waste to energy conversion system” having applicant names Dr Deepak Srivastava, Dr KAVita Srivastava, et al., 10.05.2024 (Publication Date).

- Published in Indian Patent with application No 202421059138 titled “Developing a Business Strategies for plastic waste-based fuel production” having applicant names Dr Deepak Srivastava, Dr KAvita Srivastava, et al., 08.11.2024 (Publication Date).
- Published in Indian Patent with application No.202411030059 titled “Biodegradable Plastic Material with enhanced environmental compatibility for Marine Life Protection” having applicant names Dr Deepak Srivastava, Dr Kavita Srivastava, et al., 10.05.2024 (Publication Date).
- Published in Indian Patent with application No 202411062262 titled “AI-optimized method for producing carbon nano tubes from plastic waste using thermal decomposition” having applicant names Dr Deepak Srivastava, Dr Kavita Srivastava, et al., 14.03.2025 (Publication Date).

Details of Invited Lectures

- Invited lecture in International Symposium on Advances in Functional & Biological Materials (ISAFBM – 2019) Jointly organized by Humboldt Academy, Lucknow & Department of Physics, University of Lucknow at Department of Physics, University of Lucknow on Feb 28, 2019.
- Invited lecturer in An Online one week Faculty Development Programme on Advanced Materials Characterization Techniques organized by Department of Plastic Technology, HBTU, Kanpur during May 20-24, 2024.
- Invited Lecturer in IOCL sponsored, Executive Training Programme in Polymer Engineering organized by Department of Plastic Technology, School of Chemical Technology, HBTU, Kanpur during July 15-27, 2024.

Details of Coordination

- Actively co-ordinated as *Organising Secretary* in organizing an *ONLINE* one Week Faculty Development Programme on “Advanced Materials Characterization Techniques” organized by Department of Plastic Technology, HBTU, Kanpur during May 20-24, 2024. “

Membership of Professional Bodies

- Life Member of The Indian Science Congress Association (TISCA), Calcutta
- Life Member of Indian Desalination Association, BARC, Mumbai

Administrative/Academic Development/Extra-curricular/Co-curricular activities

- Worked as Assistant Superintendent, Examination
- Member in UG & PG admission Committee
- Member in evaluating committee in minor projects

(DR KAVITA SRIVASTAVA)