

CURRICULUM VITAE

Dr. Riya Srivastava

G-50, 16th Avenue, Gaur City-2, Greater Noida West, Gautam Budh Nagar,
Uttar Pradesh, India-201801

E-mail: riya.pl24aug@gmail.com

Mobile: 9811915545



Research Experience: Ph.D in Applied Chemistry from Dr.APJ Abdul Kalam Technical University, Lucknow (Research Place: Harcourt Butler Technical University, Kanpur)
Degree awarded in December, 2017.

Worked as Project Fellow in UGC-MRP Project entitled “Development of modified epoxy matrix from renewable resource material” from 13.12.10 to 31.07.2012.

Area of Research: Synthesis and characterization of phenolic resin and epoxy resin from renewable resources

Teaching Experience:	Kanpur Institute of Technology, Kanpur	From July, 2016 to Dec, 2016 as Asst. Professor (Applied Science & Humanities Dept.)
	Vision Institute of Technology, Kanpur	From July-2015 to June, 2016 as Asst. Professor (Chemistry)

Tools and Technology Skills: Chem Sketch, Origin, MS Office (Excel, Word and Power Point)

LIST OF PUBLICATIONS

International Journals

1. **Riya Srivastava** and Deepak Srivastava (2015)
Mechanical, chemical and curing characteristics of cardanol furfural based novolac resin for application in green coatings, Journal of Coatings Technology and Research, 12 (2): 303-311; impact factor: 1.557.
<https://link.springer.com/article/10.1007/s11998-014-9630-7>
2. **Riya Srivastava** and Deepak Srivastava (2014)
Preparation and thermo-mechanical characterization of novel epoxy resins using renewable resource materials, Journal of Polymers and the Environment, 23 (3): 283-293; impact factor : 1.877
<https://link.springer.com/article/10.1007/s10924-014-0659-6>
3. **Riya Srivastava** and Deepak Srivastava (2013)
Studies on the synthesis and curing of thermosetting novolac resin using renewable resource material, International Journal of Chem Tech Research, 5: 2575-2581; impact factor: 0.4
<http://www.sphinxesai.com/2013/JulySept13/8CHEMTECHJULY-SEPT13.htm>

4. **Riya Srivastava** and Deepak Srivastava (2013)
Utilization of renewable resources in the synthesis of novolac polymers::Studies on its Structural And Curing., International Journal of Research Review in Engineering Science and Technology, 2: 22-25.
http://ijrrest.org/issues/?page_id=5

International Conferences /Symposium

1. **Riya Srivastava**, Shrawan K. Shukla, Priti Shukla and Deepak Srivastava (2011)
Synthesis and characterization of environmentally friendly cardanol-based polyurethane coating systems. International conference on Chemistry: Frontiers and Challenges organized by Department of Chemistry at Aligarh Muslim University, Aligarh, during 5-6 March 2011.
2. Shrawan Kr. Shukla, Priti Shukla, **Riya Srivastava**, and Deepak Srivastava (2011)
Studies on the preparation of ecofriendly copolymer of cardanol for application in Surface Coating, International conference on Chemistry: Frontiers and Challenges, 5-6th March'11, held at AMU, Aligarh.
3. Priti Shukla, Shrawan Kr. Shukla, **Riya Srivastava**, and Deepak Srivastava (2011)
Phenol/Cardanol-Based Novolac-Type Phenolic Resin: A Study On its Synthesis and Characterization, International conference on Chemistry: Frontiers and Challenges, 5-6th March'11, held at AMU, Aligarh.
4. **Riya Srivastava**, Shrawan K. Shukla, Priti Shukla, Minakshi Sultania and Deepak Srivastava (2012)
Studies on Water-Based Polyurethane Dispersion: A biomass derived system for application in surface coatings, Advanced Polymer Association (APA) 2012 at India Habitat Centre, New Delhi, during 20-23 Feb 2012.
5. Shrawan K. Shukla, **Riya Srivastava**, Priti Shukla, Minakshi Sultania and Deepak Srivastava (2012)
Synthesis and characterization of phenolic based resole resin from cardanol, APA International congress on Human Healthcare Systems Healthcare 2012 Organized by IIT, Delhi & Jamia Hamdard during 20-23 Feb. 2012.
6. Shrawan Kumar Shukla, **Riya Srivastava**, Kavita Srivastava and Deepak Srivastava
Interpenetrating Polymeric Network (IPN) from renewable resource material: A study on Thermal and Morphological Properties" International Conference on Advances in Polymeric Materials & Nanotechnology, (PolyTech – 2012) organized by The Society for Polymer Science, India at Bharati Vidyapeeth University, Pune during Dec. 15-17, 2012.
7. **Riya Srivastava** and Deepak Srivastava (2013)
Utilization of renewable resource in the synthesis of novolac polymers: A Study on its Analysis Proceedings of International Conference on Advancement in Polymeric Material. Organized by CIPET, Chennai, held at CIPET Lucknow, March 1-3, 2013.
8. **Riya Srivastava** and Deepak Srivastava (2014)
A Study on Analysis and Characterization of Epoxy Resin based on Renewable Resource Material for multifarious applications, International conference on Polymers: Vision and Innovations (APA-2014), organized by IIT, Delhi Feb. 19-21, 2014 at India Habitat Centre, New Delhi.

9. **Riya Srivastava** and Deepak Srivastava (2014)
Mechanical and morphological study of renewable resource based heterocyclic aldehyde type epoxy resin, International conference on Electron Microscopy (EMSI-2014) organized by University of Delhi, Delhi, during July 9-11, 2014.
10. **Riya Srivastava**, Shrawan K. Shukla, and Deepak Srivastava (2014)
Mechanical, thermal and morphological characteristics of binary blends of non-glycidyl type epoxy resins” International conference on Electron Microscopy (EMSI-2014) organized by University of Delhi at University of Delhi, Delhi, during July 9-11, 2014.
11. **Riya Srivastava** and Deepak Srivastava (2014)
Mechanical, chemical and thermal properties of epoxy resins based on renewable resources for application in cost effective coatings, National Symposium on Advances in Biological & Material Sciences (ISABMS-2014) organized by Humboldt Academy, Lucknow & University of Lucknow, at University of Lucknow, 15 July, 2014.
12. Priti Shukla, **Riya Srivastava**, Shrawan K. Shukla and Deepak Srivastava (2014)
Studies on environment friendly high performance polymers from cardanol: An agro-waste bio-feedstock” International Symposium on Advances in Biological & Material Sciences (ISABMS-2014) organized by Humboldt Academy, Lucknow & University of Lucknow, at University of Lucknow, 15 July, 2014.

National Conferences/Seminars/Symposium

1. **Riya Srivastava**, Shrawan Kr. Shukla, Priti Shukla, and Deepak Srivastava (2011)
Studies on Cardanol-based Polyurethane Dispersion for Application in Surface Coatings National Seminar on Multifaceted Scope of Chemistry and Human welfare, 22-23 Jan’11 at D.B.S. P.G. College, Kanpur.
2. Shrawan Kr. Shukla, Priti Shukla, **Riya Srivastava**, and Deepak Srivastava (2011)
Studies on the Modified Cardanol Bioplastic with Good Thermoplasticity and High Durability Properties, National Seminar on Multifaceted Scope of Chemistry and Human welfare, 22-23 Jan’11 at D.B.S. P.G. College, Kanpur.
3. Priti Shukla, Shrawan Kr. Shukla, **Riya Srivastava**, and Deepak Srivastava (2011)
Studies On Phenol/Cardanol-Based Novolac-Type Phenolic Resin: Structural Elucidation By Spectroscopic Techniques, National Seminar on Multifaceted Scope of Chemistry and Human welfare, 22-23 Jan’11 at D.B.S. P.G. College, Kanpur.
4. **Riya Srivastava**, Shrawan K. Shukla, Priti Shukla and Deepak Srivastava (2011)
A study on the structure-property relationships of epoxy nanocomposites with nanofillers. National conference on Advancement of Nano Materials and its Applications at DAV College, Kanpur, during 15-16 Feb 2011.
5. Priti Shukla, Shrawan K. Shukla, **Riya Srivastava** and Deepak Srivastava (2011)
Studies on the blends of vinyl ester resin and carboxyl-terminated butadiene-acrylonitrile copolymer. National conference on Advancement of Nano Materials and its Applications at DAV College, Kanpur, during 15-16 Feb 2011.

6. Priti Shukla, Shrawan K. Shukla, **Riya Srivastava** and Deepak Srivastava (2011)
A study on preparation of vinyl ester nanocomposite. National conference on Advancement of Nano Materials and its Applications at DAV College, Kanpur, during 15-16 Feb 2011.
7. **Riya Srivastava** and Deepak Srivastava (2011)
Synthesis and Characterization of Cardanol- Furfural Resin, National Conference on Advanced Polymers, Fibers and Fabrics, APF²-2011, held during 26-28th Dec, 2011 at D.M.S.R.D.E., Kanpur.
8. **Riya Srivastava**, and Deepak Srivastava (2012)
Synthesis And Characterization Of Novolac Resin From Renewable Resource Material'' All India National Seminar on Advance in Materials and Material Selection in Design (AMMSD- 2012) organized by Dept. of Mechanical Engineering, HBTI, Kanpur during 24-25 Aug. 2012.
9. Priti Shukla, Shrawan K. Shukla, **Riya Srivastava**, and Deepak Srivastava (2012)
Study on the mechanical and morphological behavior of blends of phenol-cardanol based epoxidized novolac resin and CTBN''All India National Seminar on Advance in Materials and Material Selection in Design (AMMSD-2012) organized by Dept. of Mechanical Engineering, HBTI, Kanpur during 24-25 Aug. 2012.
10. **Riya Srivastava**, A.K.Nagpal and Deepak Srivastava (2012)
Holographic Recordable Polymer: A New Material for Secure and High Capacity Storage Media'' All India National Conference in Recent Trend and Future information Technology (RTFIT-2012) Department of Computer Science and Engineering, HBTI, Kanpur during 22-23 Sept. 2012.
11. **Riya Srivastava**, Shrawan K. Shukla, Kavita Srivastava and Deepak Srivastava (2012) A Study on Polymer material for an alternative source of high capacity storage media'' National Seminar on Science for shaping the future of India organized by Indian Science Congress Association (Kanpur Chapter) Dept. of Zoology, D.A.V. College & D.G. College Kanpur during 3-4 Dec. 2012.
12. Shrawan K. Shukla, **Riya Srivastava**, Kavita Srivastava and Deepak Srivastava (2012) A comparative study on the reaction kinetics of cardanol and maleic anhydride using different catalyst'' National Seminar on Science for shaping the future of India organized by Indian Science Congress Association (Kanpur Chapter) Dept. of Zoology, D.A.V. College & D.G. College Kanpur during 3-4 Dec. 2012.
13. Shrawan Kumar Shukla, **Riya Srivastava** and Priti Shukla (2013)''High temperature Plastics: The most important areas of applications'' Workshop on Environmental Degradation: Anthropogenic Problems and Their Prospects, organized by Faculty of Science, Harsahai P. G. College, Kanpur held on 23 Jan' 13.
14. **Riya Srivastava**, Shrawan K. Shukla and Priti Shukla (2013)
Green Polymer Composites: A Study on its analysis and characterization Workshop on Environmental Degradation: Anthropogenic Problems and Their Prospects organized by Faculty of Science, Harsahai P. G. College, Kanpur held on 23 Jan' 13.
15. **Riya Srivastava** and Deepak srivastava (2013)
Water based polyurethane dipersions for coating applications, PACT VISION SEMINAR on Water-based Paints and Coatings: Technology adoption with

performance & cost justifiability organized by paints and Coating Technologists' Association (PACT) at HBTI, Kanpur, March 10, 2013.

16. **Riya Srivastava** and Deepak Srivastava (2013)
Effect of Nanoclay modifier on the mechanical and thermal properties of epoxy nanocomposite, International Seminar on advances in Bio-& Nano-materials organized by Physics Department, University of Lucknow, November 17, 2013
17. **Riya Srivastava**, Kavita Srivastava and Deepak Srivastava (2013)
A Study on Polymer material for an alternative source of high capacity storage media-II, Regional Science Congress on Innovations in Science and Technology for Inclusive Development, organized by Indian Science Congress Association (ISCA Kanpur Chapter) Dept. of Zoology, D.A.V. College & D.G. College Kanpur during 23-24 Nov. 2013 at Dr. Virendra Swarup Education Centre, Unnao.
18. Kavita Srivastava, **Riya Srivastava** and Deepak Srivastava (2013)
Development of Acrylic acid based anti-dust agent for the textile industries, Regional Science Congress on Innovations in Science and Technology for Inclusive Development, organized by Indian Science Congress Association (ISCA Kanpur Chapter) Dept. of Zoology, D.A.V. College & D.G. College Kanpur during 23-24 Nov. 2013 at Dr. Virendra Swarup Education Centre, Unnao.
19. **Riya Srivastava** and Deepak Srivastava (2014)
Epoxy resin based on renewable resource for application in composite, National conference EFIME organized by Dept. of Mech. Engg., H.B.T.I., Kanpur during Feb. 15-16, 2014.
20. **Riya Srivastava** and Deepak Srivastava (2014)
Mechanical, thermal and chemical characteristics of renewable resource based epoxy resins for application in eco-efficient coatings, National conference on Newer oleochemicals: production and industrial applications under TEQIP-II, World Bank Project organized by Oil and Paint Department at HBTI, Kanpur during January 10-11, 2015.
21. **Riya Srivastava**, Kavita Srivastava and Deepak Srivastava (2015)
Studies on the dynamic mechanical and morphological characteristics of blends of cycloaliphatic epoxy resin and carboxyl terminated butadiene acrylonitrile copolymer (CTBN) liquid elastomer, Conference on Microscopy in Material Science and Biomimetic Technology organized by Academy of Microscope Science and Technology at DMSRDE, GT Road, Kanpur- 208013 held during Feb 26-28, 2015.
22. **Riya Srivastava**, Shrawan Kumar Shukla and Deepak Srivastava (2015)
Studies on the thermal, mechanical and morphological characteristics of blends of DGEBA epoxy, cycloaliphatic epoxy and CTBN, Conference on Microscopy in Material Science and Biomimetic Technology organized by Academy of Microscope Science and Technology at DMSRDE, GT Road, Kanpur- 208013 held during Feb 26-28, 2015.
23. **Riya Srivastava**, Kavita Srivastava and Deepak Srivastava (2015)
Furan substituted bio-renewable epoxy resin: A study on its mechanical and chemical characterization, Conference on Innovations in Materials, Design & Manufacturing organized by Department of Mechanical Engineering at HBTI, Kanpur- 208011 held during March 27-28, 2015.

24. **Riya Srivastava**, Kavita Srivastava and **Deepak Srivastava** (2015)
Studies on the physico-mechanical and morphological characteristics of ternary blends of epoxy resins, Conference on Innovations in Materials, Design & Manufacturing organized by Department of Mechanical Engineering at HBTI, Kanpur- 208011 held during March 27-28, 2015.

Workshops/Training

1. Participation in the Science Academies' Lecture Workshop on "**Advances in Bio-inorganic and Nanochemistry**" organized by Department of Chemistry, D.A.V. College, Kanpur during November 12-13, 2011.
2. Participation in the Prof. P. N. Tondon Memorial weekend lecture Series on "**Computing and Modeling**" organized by Department of Mathematics, H.B.T.I., Kanpur during 18 Feb.- 18 March 2012.
3. Participation in Workshop "**Clix**" organized by Photography Club, Harcourt Butler Technological Institute, Kanpur on 29 Sept. 2012.
4. Presentation at the workshop on **Environmental Degradation : Anthropogenic problems and their prospects** at Harsahai P.G. College, Kanpur on 23 Jan. 2013.
5. Participation in the **Faculty Development Programme on Engineering Education- Opportunities, Challenges & Future directions** at Department of Mechanical Engineering, H.B.T.I., Kanpur during March 7-12 ,2014.
6. Participation in the **Sensitization Workshop on Administrative Responsibilities for the Implementation of Societal Research Fellowship- DST, New Delhi**, organized by The National Academy of Sciences, India (NASI), on March 21, 2014 at Allahabad.
7. Participation in the workshop on "**Advances in Soaps and Detergents**" Department of Oil & Paint Technology, H.B.T.I., Kanpur during March 27-28, 2014

Educational Qualification

Exam passed	Board/University	Year of passing	Division/ Percentage
10 th	C.I.S.C.E. Board	2002	I st / 72%
12 th	C.I.S.C.E. Board	2004	I st / 80%
B.Sc. (Zoology, Botany, Chemistry)	K.K.Girls Degree College, Kanpur, Affiliated to C.S.J.M. University, Kanpur	2007	I st / 69%
M.Sc. (Chemistry)	A.N.D, College Kanpur, Affiliated to C.S.J.M. University, Kanpur	2009	I st / 65%
Ph.D.*	Dr. A.P.J. Abdul Kalam Technical University, Lucknow(Research place: H.B.T.U, Kanpur)	Awarded in 2017	-

* **Title:** Development of modified epoxy matrix from furfural

Personal details

Name : **Dr. Riya Srivastava**

Husband's Name : Mr. Pratyush Krishna

Permanent Address : G-50,16th Avenue, Gaur City-2, Greater Noida West,
Gautam Budh Nagar, Uttar Pradesh, India-201801.

Date of Birth : 24-08-1985

Nationality : Indian

Religion : Hindu

Sex & Marital Status : Female & Married

Languages Proficiency : English, Hindi