

CURRICULUM VITAE

Name : **Dr. Deepak Srivastava**
Designation : Professor
Office Address : Department of Plastic Technology
School of Chemical Technology
H. B. Technical University, Kanpur – 208 002
U. P., India.
Tel. Office : +91-0512 - 2534001 – 5
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Area of Interest
Major Area : Polymer Science and Technology
Minor Area : Polymer Degradation and Stability, Polymer
Blends & Alloys, Epoxy Composite Matrix, High
Performance Polymers, Liquid Crystalline Polymer



Personal Profile

Date of Birth : Oct. 04, 1963
Marital Status : Married
Residence : 34-A, Vikas Nagar, Kanpur – 208 024, U.P., India.
Contact Numbers :
Tel. Res. : 0512-2582232
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Category : Divyang (General)

Academic Qualifications

| Degree | Year | Institution / College | University/Board | Division |
|---|------|---------------------------|----------------------|-----------------|
| Ph. D. (Chem Tech - Plastic Tech.) | 1993 | HBTI, Kanpur | Kanpur Univ. | - |
| M. Tech. (Chem Tech - Plastic Tech.) | 1987 | HBTI, Kanpur | Kanpur Univ. | First with Hons |
| B. Tech. (Chem Tech - Plastic Tech.) | 1985 | HBTI, Kanpur | Kanpur Univ. | First with Hons |
| B. Sc. (Phy., Chem., Maths) | 1982 | PPN College, Kanpur | Kanpur Univ. | First with Hons |
| Intermediate (Phy., Chem., Maths, Hindi, Eng.) | 1980 | GSV Inter College, Kanpur | U P Board, Allahabad | First |
| High School (Science & Maths) | 1978 | GSV Inter College, Kanpur | U P Board, Allahabad | First with Hons |

- M. Tech. Dissertation : *Thermo-oxidative Degradation and Stabilization of Polypropylene with phenolic antioxidant.*
- Doctoral Thesis : *Synthesis and Characterization of Thermotropic Liquid Crystalline Polymers (LCPs) with Mesogenic Side Groups.*

Experience Record

- Industrial : NIL
- Academic : About 30 yrs in Teaching, Research and Administrative
- Scientific : 6 years (as Research Assistant & SRF of CSIR, India)
- Social : About 19 years working for the welfare of disables

Teaching Experience

- Professor & Head : 2017 - 2020
- Professor : 2009 – Till Date
- Associate Professor : 2006 – 2009
- Assistant Professor : 2001 – 2006
- Senior Lecturer : 1996 – 2001
- Lecturer : 1992 – 1996
- Department of Plastic Technology-School of Chemical Technology, HBTU, Kanpur

Teaching Records

Courses Taught at PG Level

Mechanics of Viscoelastic Materials
 High Polymer Technology
 Advanced Polymer Processing

Courses Taught at UG Level

Structure and Properties of Polymer
 Rheology and Testing of Polymers
 Advanced Polymer Materials
 Polymer Processing
 Polymeric Foams and Adhesives
 Fibre Technology
 Polymer Science and Technology
 Polymerization Engineering

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

1. Looking after as Dean, School of Humanities and Social Sciences, HBTU (2021)
2. Looking after as HoD, Dept of Leather Technology since June 17, 2018 to Till Date
3. Chairman of various committee of the HBTU, Kanpur , in 2020 and 2021
4. Looked after as HoD, Department of Oil Technology for more than 10 month.
5. Looked as HoD, Biochemical Engg Deptt for more than eight months.

6. Looked after as Dean, School of Chemical Technology, HBTU (2018-2020)
7. Looking after the Divyang Cell as Nodal Officer of Divyang grievances cell
8. Looked after the department of Plastic Technology as Head of Department from Aug 21, 2017 to Aug 20, 2020
9. Member of regular recruitment committee and CAS promotion Committee (2018) of the University
10. Assigned various Administrative assignments at university and Institute level.
11. Member, Printing of Information Brochure Committee of HBTU (2017 & 2018)
12. Associate Dean, School of Chemical Technology, HBTU (2017 to 2018)
13. Member, DPC, Dept. of Plastic Technology, HBTI (2014-2015).
14. Subject Expert, Syllabus modification committee for Plastic Mould Technology in IRDT, Kanpur (2014-2015).
15. Paper setter of various Universities and Polytechnics.
16. Worked as acting head of the department during summer/winter vacations.
17. Looking after the Departmental Library at Plastic Tech. Dept. HBTI
18. Acted as expert for the purchase of Plastic items in U P Police, Kanpur.
19. Contributed in designing the course structure for syllabus of UP Technical Education Board.
20. Member, Centre of Excellence on "Applied Research, Training and Education in Lipid Science" under TEQIP-II, World Bank Project at HBTI, Kanpur.
21. Faculty Advisor, Photography Club, CSA (2014 - 2015)
22. Convener, verification of Furniture purchased at the store (2014 - 2015)
23. Committee member for guest faculty appointment in Chemistry (2014 - 2015)
24. Member, Board of Studies (BOS), B. Tech. Plastic Technology, HBTI.
25. Deputy Coordinator, Institute Time Table Committee (2013-2014).
26. Member, Institute Time Table committee (2012-2013).
27. Member, Committee for starting QIP Centre at HBTI, Kanpur (2011-2012).
28. Member, Committee for publishing information brochure of the institute (2011-12).
29. Acted as an External Expert in the selection committee for the Post of JRF/SRF/RA under the CSIR project at Dept. of Petroleum Studies, AMU, Aligarh dated April 15, 2011.
30. Member, Draft committee for convocation-2010 and 2011.
31. Assistant Dean, Planning & Resource Generation (2009 – 2010).
32. Member, Security committee of the institute in the year (2009).
33. Assistant Dean, Research & Development (2008 – 2009).
34. Member, Anti-ragging committee (2007-10).
35. Engaged in SEE-2007 for Online counseling work for Sept. 05-06, 2007.
36. Engaged in SEE-2007 for Online counseling work for Sept. 05-06, 2007.
37. External Examiner for conducting chemistry practical examination at Chemistry Dept., DAV College, Kanpur (CSJMU) Jan 30, 2006.
38. Committee member for guest faculty appointment in Chemical Engg. and Chemistry (2005-2007).
39. Member, OBC/PH/GEN scholarship committee (2004-2005).
40. Subject expert, Ph.D. admission interview committee, HBTI, Kanpur, July 28, 2003.
41. Member, Literary Sub-Council of Students (2000-2001).
42. Member, Students sports Sub-Council (1996-1998).
43. Member, Verification of items purchased at the store (1995-1996).
44. Member, Other departmental stock verification committee (1992-2005).

Professional Committee Work:

1. Acted as Deputy Coordinator in a workshop on "Basic Liquid Chromatography" organized by Department of Chemical Engineering, SoCT, HBTU, Kanpur during March 27-28, 2017 at The Landmark Towers, Kanpur.
2. Acted as Vice-chairman in a Workshop on "CHEMCAD and PROLYN" organized by Department of Chemical Engineering, SoCT, HBTU, Kanpur on 21.03.2017 at HBTU, Kanpur.
3. Acted as organising committee member in a Workshop on "Advancements in Plastics Processing Techniques" organized by Department of Plastic Technology, SoCT, HBTU, Kanpur on 15.03.2017 at HBTU, Kanpur.
4. Acted as Co-Chairman in the Technical Session on **Novel Surfactants** in the National Conference on "**Newer Oleochemicals : Production and Industrial Application**" held during Jan. 10-11, 2015 organized by Dept. of Oil & Paint Technology, H.B.T.I., Kanpur.
5. Acted as Co-Chairman in the Thematic/Technical-3 Session in the National Conference, **POLYCON 2002** on **Recent Development of Polymers** held during Aug. 16-17, 2002 organized by Dept. of Plastic Technology, H.B.T.I., Kanpur.
6. Member of various committees of seminars/conferences in various department of the institute as well as other institute.
7. Hon. Treasurer in **POLYCON 2002** organized by Dept. of Plastic Tech., HBTI
8. Syllabus committee member of UP Technical Education Board
9. Acted as Co-Convener Publication Committee in the National Seminar on **Packaging Technology: Strategies for 21st Century**, held during Dec. 18-19, 1999 organized by OTAI at H.B.T.I., Kanpur.

Consultancy rendered to Govt. organization/industries:

1. Expert for the purchase of plastic dustbin in Kanpur Development Authority, Kanpur.
2. Consultancy given to various plastic industries nearby Kanpur region.
3. Expert for suggesting the names of books, its authors name and publication in Ordinance Factories Institute of Learning at Ambarnath (M.S.).

Lectures Delivered:

1. Delivered lectures in the areas of polymers in various organizations such as Directorate, UP Technical Education, IRDT, GCTI, DMSRDE, HBTI, Dr. BRAECIT, Bijnor (HBTI Campus), University of Lucknow, etc.

Membership of Professional Bodies

- Life member of Indian Society for Technical Education (ISTE)
- Life member of Oil Technologists' Association of India (OTAI)
- Fellow member of Paints & Coating Technologists' Association (PACT)
- Member of Research Board of Advisors nominated ABI, USA

- Life member of Electron Microscope Society of India (EMSI), Calcutta
- Life member of The Society for Polymer Science, India
- Life member of IChE, India
- Life Member of Academy of Microscope Science & Technology (AMST), India
- Life Member of Asian Polymer Association (APA), New Delhi, India.
- Life Member of The Indian Science Congress Association (TISCA), Calcutta
- Life Member of Indian Desalination Association, BARC, Mumbai (LM 439)

Editorial / Reviewer Work :

Served as reviewer of various journals such as Journal of Applied Polymer Science, Material Science Engineering A, Polymer Engineering and Science, Polymer Bulletin, Journal of Coatings Technology and Research, European Polymer Journal, etc.

Awards & Honours

| Year | Name of the award | Organization / institution giving award | The work which is awarded |
|-------------|----------------------------|---|---------------------------|
| 1991 - 1992 | Research Associate-ship | CSIR, New Delhi | Ph. D. |
| 1988- 1991 | Senior Research Fellowship | CSIR, New Delhi | Ph. D. |
| 1985 - 1987 | Junior Research Fellowship | MHRD, New Delhi | M. Tech. |

Short-term /Refresher Courses Attended

| S. No. | Name of Refresher Course | Organizer's Name | Period | | Sponsoring Agency |
|--------|--|------------------------|----------------|-----------------|-------------------|
| | | | From | To | |
| 1. | Three days TEQIP II sponsored workshop on "Management capacity enhancement programme in compliance with NBA and NAAC accreditation" organized by Department of Electrical Engineering, SoE, HBTU. | TEQIP II, HBTU, Kanpur | March 29, 2017 | March, 31, 2017 | TEQIP II |
| 2. | Three days TEQIP II sponsored workshop on "Effective pedagogy for engineering faculties" organized by Department of Electrical Engineering, SoE, HBTU, in collaboration with ECSI-The institution of Engineers (India), Hyderabad. | TEQIP II, HBTU, Kanpur | March 26, 2017 | March, 28, 2017 | TEQIP II |

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|-----|---|-------------------------------|----------------|-----------------|---------------------------|
| 3. | Two days TEQIP II sponsored workshop on "Energy conservation and energy audit in academic institutions" organized by Department of Chemical Engineering, HBTU, in collaboration with ECSI, The institution of Engineers (India). | TEQIP II, HBTU, Kanpur | March 07, 2017 | March, 08, 2017 | TEQIP II |
| 4. | TEQIP School on "Mechanics of reinforced polymer composites" organized by Knowledge Incubation for TEQIP, IIT, Kanpur. | TEQIP, IIT, Kanpur | Jan 22, 2017 | Jan 25, 2017 | TEQIP |
| 5. | Three days TEQIP II sponsored workshop on "Occupational health and safety management practices" organized by Department of Chemical Engineering, HBTU, in collaboration with ECSI-The institution of Engineers (India). | TEQIP II, HBTU, Kanpur | Oct. 03, 2016 | Oct. 05, 2016 | TEQIP II |
| 6. | Three days TEQIP II sponsored workshop on "Intellectual property rights (IPR) and patenting" organized by Department of BEFT, SoCT, HBTU, in collaboration with ECSI-The institution of Engineers (India), Hyderabad during Aug. 27-29, 2016. | TEQIP II, HBTU, Kanpur | Aug. 27, 2016 | Aug. 29, 2016 | TEQIP II |
| 7. | One day workshop on "Plastic Waste Management" | CIPET, Lucknow held at Kanpur | Aug. 23, 2016 | Aug. 23, 2016 | CIPET, Lucknow |
| 8. | Five days TEQIP School on "Computational methods in Engineering Applications" organized by Knowledge Incubation Centre | TEQIP, IIT, Kanpur | April 12, 2016 | April 16, 2016 | TEQIP-II |
| 9. | Five days workshop on Supply Chain Management | IIT Kanpur | Feb 04, 2015 | Feb 08, 2015 | TEQIP-II |
| 10. | One week FDP on Advances in Enzyme Production and their Industrial Application | HBTI, Kanpur | Dec. 19, 2013 | Dec.24, 2013 | TEQIP-II |
| 11. | FDP on Modelling, Simulation and Analysis of Engineering Systems | HBTI, Kanpur | Oct. 25, 2013 | Oct. 30, 2013 | TEQIP-II |
| 12. | Curriculum Development and Evaluation Methods in Technical Education | HBTI, Kanpur | July 1, 2013 | July 6, 2013 | TEQIP-II |
| 13. | Prof.P.N.Tandon Memorial week-ends Lecture Series on Modelling | HBTI, Kanpur | Feb18, 2012 | March 18, 2012 | Department of Mathematics |

and Computing (only Saturdays and Sundays)

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|-----|---|---|----------------|----------------|---|
| 14. | Micro & Nano Fabrication | IIT Kanpur | Feb 27, 2012 | March 2, 2012 | Centre for Development of Technical Education |
| 15. | Quality Control Techniques in Oils and Allied Products | HBTI, Kanpur | March 20, 2009 | March 25, 2009 | Networking cell, TEQIP World Bank |
| 16. | Modern Analytical Techniques for Research and Industry | HBTI, Kanpur | Nov. 10, 2008 | Nov. 14, 2008 | Networking cell, TEQIP World Bank |
| 17. | Computer /aided Engineering | HBTI, Kanpur | June 8, 2007 | June 10, 2007 | Networking cell, TEQIP World Bank |
| 18. | Biotechnological approaches for chemical process industries | HBTI, Kanpur | May 11, 2007 | May 15, 2007 | Networking cell, TEQIP World Bank |
| 19. | Applied Mathematical Techniques for Chemical Sciences | HBTI, Kanpur | April 11, 2007 | April 17, 2007 | Networking cell, TEQIP World Bank |
| 20. | Organic Electronics | CDTE, Samtel Centre for Display Technologies, Deptt. of EE, MME, and Physics, IIT, Kanpur | July 17, 2006 | July 21, 2006 | QIP Short-term Course |
| 21. | Mathematical methods in Engg and Science | Deptt. Of mechanical Engg., IIT, Kanpur | July 3, 2006 | July 15, 2006 | QIP Short-term course |
| 22. | Intellectual property rights and patent information | HBTI, Kanpur | Sept 27, 2004 | Oct. 01, 2004 | TTTR, Chandigarh |
| 23. | Modelling of Industrial Reactors. | Deptt. of Chemical Engg., IIT, Kanpur. | July 12, 2004 | July 17, 2004 | SERC-DST |
| 24. | Scientific computing with MATLAB | Deptt. of mechanical Engg., IIT, Kanpur. | June 7, 2004 | June 11, 2004 | CDTE, IIT, Kanpur |
| 25. | Eco-friendly Chemical Technologies | HBTI, Kanpur | March 13, 2002 | March 24, 2002 | AICTE-ISTE |
| 26. | Developments in Textile Technologies | GCTI, Kanpur | Dec. 24, 2001 | Jan. 05, 2002 | AICTE-ISTE |
| 27. | Induction Training Programme under Staff Development Scheme | Applied Scienc Deptt. KEC, Dwarahat, Almora | March 13, 2001 | March 30, 2001 | AICTE-ISTE |
| 28. | Textiles in 21 st Century | GCTI, Kanpur | July 3, 2000 | July 15, 2000 | AICTE-ISTE |
| 29. | Application of Computers in Textiles | GCTI, Kanpur | June 5, 2000 | June 17, 2000 | AICTE-ISTE |
| 30. | Experimental Methods in Thermal Sciences | Deptt. of Mechanical Engg., IIT, Kanpur | Aug. 2, 1999 | Aug. 7, 1999 | MHRD, New Delhi |
| 31. | Reliability and Safety in Process Industries | Chemical Engg. Deptt., HBTI, Kanpur | Sept. 28, 1998 | Oct. 10, 1998 | AICTE-ISTE |
| 32. | QIP training program | M/s Uniflex Industries Pvt. Ltd., Kanpur | June 15, 1997 | July 20, 1997 | QIP Scheme |
| 33. | Polymer Processing – Analysis and Applications (PPAA) | IIT, New Delhi | Dec. 14, 1994 | Dec. 17, 1994 | CPSE, Delhi |

Seminars / Conferences/workshops Organized:

- Organized one day National webinar on “High performance polymers for paints and plastics”, as Coordinator, jointly organized by Department of Paint Technology and Department of Plastics Technology, SoCT, HBTU, Kanpur on Aug 21, 2021 at HBTU, Kanpur.
- Organized one day National webinar on “National Education Policy 2020”, as Coordinator, organized by Department of Paint Technology, SoCT, HBTU, Kanpur on Aug 13, 2021 at HBTU, Kanpur.
- Organized workshop on "Basic Liquid Chromatography", as Deputy Coordinator, organized by Department of Chemical Engineering, SoCT, HBTU, Kanpur during March 27-28, 2017 at The Landmark Towers, Kanpur.
- Organized workshop on "CHEMCAD and PRODYN", as Vice-chairman, organized by Department of Chemical Engineering, SoCT, HBTU, Kanpur on 21.03.2017 at HBTU, Kanpur.
- Organized workshop on "Advancements in Plastics Processing Techniques", as organising committee member, organized by Department of Plastic Technology, SoCT, HBTU, Kanpur on 15.03.2017 at HBTU, Kanpur.
- Organized refresher course on **Applied Mathematical Techniques for Chemical Sciences**, as Co-convener, under Networking cell, TEQIP, World Bank project during April 11-15, 2007.
- Organized six weeks course on **Development of Fibre Reinforced Plastics (products)** under STEP, HBTU, Kanpur during March 07, 2005- April 16, 2005.

Research Guidance

M. Tech. and Doctoral Thesis

| S. No. | Degree | Title of Thesis | Year awarded | Name | Co-supervisor |
|--------|------------------------------|---|--------------|--------------------|------------------|
| 1. | M. Tech. | Rheological and Thermal behavior of polypropylene/HDPE/Filler polyblends system. | 1995 | Manoj K. Shukla | Dr. J. S. P. Rai |
| 2. | Ph.D. (Applied Chemistry) | Studies on blends of epoxy, various resoles and carboxyl-terminated polybutadiene (CTPB). | 2002 | Shailesh K. Shukla | - |
| 3. | Ph.D. (Applied Chemistry) | Studies on the blends of cardanol-based epoxidised novolac and CTPB. | 2008 | Archana Devi | - |

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| 4. | Ph.D. (Applied Chemistry) | Studies on the blends of epoxy, cycloaliphatic epoxy and CTBN. | 2008 | Garima Tripathi | - |
| 5. | Ph.D. (Applied Chemistry) | Studies on the blends of cardanol-based epoxidized novolac resin and CTBN | 2009 | Ranjana Yadav | - |
| 6. | Ph. D. (Paint Tech.) | Studies on vinyl ester resins and their blends for use in surface coatings | 2010 | Arun Maithani | Dr. Deepak Srivastava |
| 7. | Ph.D. (Applied Chemistry) | Studies on the synthesis and characterization of vinyl ester resins from renewable resource material | 2012 | Minakshi Sultania | Dr. J. S. P. Rai |
| 8. | Ph.D. (Applied Chemistry) | Studies on Vinyl ester resins based on phenol cardanol novolacs | 2014 | Priti Shukla | Shri S. B. Yadaw, DMSRDE, Kanpur |
| 9. | Ph.D. (Chemistry) | Synthesis and Characterization of copolymers of vinyl monomers and fullerene | 2014 | Ravindra Singh | Dr Deepak Srivastava |
| 10. | Ph.D. (Applied Chemistry) | Development of modified epoxy matrix from furfural | 2017 | Riya Srivastava | |
| 11. | Ph.D. (Applied Chemistry) | Studies on cardanol based resin systems for application in protective coating | 2018 | Shrawan Kumar Shukla | Dr. Arun Maithani |
| 12. | Ph.D. (Polymer Tech.) | Study of thermal and mechanical properties of nano CaCO ₃ modified DGEBA Epoxy matrix/Glass fiber composites | 2018 | Manoj Kumar Shukla | |
| 13. | Ph.D. (Applied Chemistry) | Studies on method development for analysis of food and food products | 2021 | Indrajeet Sen | Prof R K Khandal |
| 14. | Ph.D. (Plastic Tech.) | Preparation and characterization of NBR-PP-MMT and NBR-PP-HNT elastomer nanocomposites | Under Progress | Harendra Kumar | Dr J A Rizwi, AMU |
| 15. | Ph.D. (Chemistry.) | Studies on effect of nano filler on chemical, mechanical and thermal properties of epoxy/Fly ash nano composite | Under Progress | Shilpi Tiwari | Dr C L Gehlot |

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|-----|---------------------------------|--|----------------|-------------------------------------|-----------------------|
| 16. | Ph D. (Plastic Tech.) | Studies on preparation and characteristics of starch based bioplastics | Under Progress | Nidhi Raj Yadav | A K Rathore |
| 17. | PhD (Plastics Technology) | Studies on the effect of nanofiller on mechanical, thermal, and morphological properties of thermoplastic elastomers | Under Progress | Gynesh Kumar Katiyar (Part Time) | Prof Arun Maithani |

Details of Sponsored Projects handled

| Title | Name of sponsor or funding agency | Amount (INR) | Duration | Consultancy project research / consultancy activities |
|---|---|---------------|-------------------------|---|
| Modified Epoxy Resins | M/s Ruchi Organics, Kanpur | 20,000 | 2 years (Completed) | To develop resole-modified epoxy resin |
| Development of high performance polymers from CNSL | AICTE, New Delhi | 5.00 Lacs | 5 years (Completed) | To develop toughened epoxy composite matrix from renewable resource material |
| Development of Elastomer - toughened composite matrix for high energy absorbing applications | CST, UP | 5.01 Lacs | 2 years (Completed) | To develop toughened epoxy composite matrix from renewable resource material |
| Development of modified epoxy matrix from renewable resource material. | UGC, New Delhi | 11.00 Lacs | 3½ years (Completed) | To develop high performance toughened epoxy composite matrix from renewable resource material |
| Development of environmentally preferred coating materials | CSIR, New Delhi (9 May 2009-31 March 2010) | 1.78 Lacs | 1 year | SRF (Ranjana Yadav) |
| Development of vinyl ester resins from renewable resource material. for application on composite and coatings | CSIR, New Delhi (April 01, 2011-Mqarch 31, 2012) | 2.684 Lacs | 1 year | SRF (Minakshi Sultania) |
| Studies on the | CSIR, New Delhi | 3.08 Lacs | 1 year | SRF (extended) (Minakshi Sultania) |

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|---|---|-----------|--------|--|--|
| modifications of thermosetting epoxy and vinyl ester resins from renewable resource material for multifarious application | (April 01, 2012-March 31, 2013) | | | | |
| Studies on the modifications of thermosetting resins from renewable resource material for multifarious application | CSIR, New Delhi (April 01, 2013-March 31, 2014) | 3.36 Lacs | 1 year | Research Associate (Minakshi Sultania) | |
| Development of Fullerene containing polymer nano composites sanctioned under Research & Development grant | TEQIP II (2016-2017) | 2.50 Lacs | 1 year | One year (Completed) | |

Research Publications:

a) In National Journals

1. Deepak Srivastava & G. N. Mathur (1991)
Physico-mechanical Properties of Waste Blended Polyethylene Films
Journal of Polymer Materials, **8**, p. 213
2. Deepak Srivastava. Sanjay K. Mathur & G. N. Mathur (1991)
Plastics for Electronics Industries
Instr. Elect. Devel., **10** (7), p. 37
3. V. N. Badoni, Deepak Srivastava & G. N. Mathur (1993)
Degradation Kinetics of Stabilized and Unstabilized Nylon-6 Films
Journal of Polymer Materials, **10**, p. 49
4. V. N. Badoni, Deepak Srivastava and G. N. Mathur (1995)
Thermo-oxidative Degradation and Stabilization of Nylon-6 Films: Structural Changes and its Correlation with Properties – I
Journal of Polymer Materials, **12**, p. 307
5. Deepak Srivastava, A. K. Nagpal and G. N. Mathur (1996)
Degradation Kinetics of Waste Blended Polyethylene Films
Journal of Polymer Materials, **13**, p. 289
6. V. N. Badoni, Deepak Srivastava and G. N. Mathur (1996)
Thermo-oxidative Degradation and Stabilization of Nylon-6 Films: Structural Changes and its Correlation with Properties – II
Journal of Polymer Materials, **13**, p. 279
7. A. K. Mishra, G. Parashar, D. Srivastava and P. Kumar (2000)
Evaluation of Corrosion Properties Performance of Surface Coatings by EIS : The Theoretical Aspects
Paint India, **L** (3), p. 33
8. V. N. Badoni, Pramod Kumar, Deepak Srivastava and G. N. Mathur (2001)
Unstabilized and Stabilized Nylon-6 Films – A Study on Degradation Mechanism and Kinetics
Ultra Science, **13** (1), p. 94
9. Shailesh Kumar Shukla and Deepak Srivastava (2001)
Thermo-oxidative degradation and stabilization of polypropylene : Structural changes and its correlation with properties
J. Polym. Mater., **18**, p. 259-266
10. Shailesh Kumar Shukla and Deepak Srivastava (2001)
Epoxy/Resole blends – A Study of its degradation kinetics
Ind. J. Chem. Tech., **8**, p. 357-361.

11. S. K. Shukla, Sachchidanand Prasad, Pramod Kumar and Deepak Srivastava (2001)
Plastic Packaging Waste Materials – I
Popular Plastic & Packaging, **XLVI** (2), pp. 55-59.
12. S. K. Shukla, Sachchidanand Prasad, Deepak Srivastava & Pramod Kumar (2002)
CNSL-Derived Polymers for use in Surface Coatings
Paint India, **LII** (2), pp. 29-32.
13. Shailesh Kumar Shukla, Sachchidanand Prasad & Deepak Srivastava (2002)
Biodegradable Polymers – I
Popular Plastic & Packaging, **XLVII** (2), pp. 79-81.
14. S. K. Shukla, Arun Maithani, Devendra Agarwal and Deepak Srivastava (2002)
Polymers from Renewable Resources - I
Popular Plastic & Packaging, **XLVII** (7), pp. 58-60.
15. Shailesh Kumar Shukla and Deepak Srivastava (2003)
Graft Copolymerization : A Kinetic Study
J. Polym. Mater., **20**, p. 207-211.
16. Garima Tripathi and Deepak srivastava (2007)
Studies on epoxy resins curatives and their applications
Paint India, **LVII** (5), 101.
17. Ranjana Yadav and Deepak Srivastava (2008)
Environmentally preferred coatings from modified cardanol-based epoxidized novolac resin
Paint India, **LVIII** (6), 85.
18. Ranjana Yadav and Deepak Srivastava (2009)
Studies on the extraction, modification and application of CNSL/cardanol based epoxy resin
Paint India, **LVIX** (3), 2009, p. 64-104
19. Ranjana Yadav and Deepak Srivastava (2009)
Studies on the blends of epoxy and different liquid rubber
Paint India, **LVIX** (4), 2009, p. 65-86
20. Minakshi Sultania, J.S.P. Rai and Deepak Srivastava (2009)
Synthesis and curing of cardanol-based vinyl ester resins for applications in surface coatings– I
Paint India, **LIX** (.9), 2009, p. 89-108.
21. Priti Shukla, S.B. Yadav and Deepak Srivastava (2009)
The effect of phenol concentration on the cure time and epoxide equivalent weight of cardanol-
based epoxidized novolac resin
Paint India **LVI** (10) p.85-96

b) In International Journals

1. Deepak Srivastava and G. N. Mathur (1997)
Degradation Kinetics of Resole Modified Epoxy – I
Journal of Macro Molecular Science – Pure and Applied Chemistry, **A34** (1), p. 59
2. Deepak Srivastava, D. C. Saxena and G. N. Mathur (1999)
Optimization Studies on the Development of Nylon-6 Films with High Tensile Strength
Journal of Macro Molecular Science – Pure and Applied Chemistry, **A36** (10), p. 1406.
3. D. Srivastava, R. Garg, P. Kumar, D. C. Saxena and G. N. Mathur (2000)
Optimization Studies of Blend Composition and Ageing Parameters for Making LDPE/HDPE/ LLDPE
Films by Response Surface Methodology
Macromol. Mater. Eng., **283**, p. 81
4. Shailesh Kumar Shukla, Pramod Kumar and Deepak Srivastava (2001)
Study of Degradation Kinetics of Blends of Epoxy and Resole : A Statistical Approach
Mater. Manuf. Process, **16** (2), p. 281
5. Geeta Parashar, Deepak Srivastava and Pramod Kumar (2001)
Ethyl Silicate Binders for High performance coatings
Prog. Org. Coatings, **42** (1-2), p. 1-14
6. Deepak Srivastava, Pramod Kumar and G. N. Mathur (2001)
Ageing characteristics of ternary blends of polyethylene – I
Mater. Manuf. Process, **16** (3), p. 419-425.
7. Deepak Srivastava (2002)
Optimization studies on the development of methyl methacrylate (MMA)-grafted nylon-6 fibers with
high percentage grafting.
Journal of Polymer Engg., **22** (6), p. 457-471.
8. Sudha Agrawal, Deepak Srivastava, A. Mishra, and J. S. P. Rai (2002)
Decomposition behaviour of vinyl ester resins prepared in presence of tertiary amines.
Polymer-Plastics Technology and Engg., **41** (2), p. 327-340.
9. Deepak Srivastava (2003)
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Effect of phenol concentration on the thermal behaviour of cardanol-based epoxidized novolac resin, Seventeenth National Symposium & Workshop on Thermal Analysis, THERMANS 2010, held at Kurukshetra University, Haryana from March 9-13, 2010.
116. Priti Shukla, Minakshi Sultania, S.B. Yadaw and Deepak Srivastava (2010)
Phenol- cardanol-formaldehyde based epoxidized novolac resin: a study on thermal behaviour, Conference on Embracing Technological Advances in surface Coatings, organized by IChE-KRC and OTA, at CSJM University Kanpur, during Mar 20-21, 2010.

117. Minakshi Sultania, Priti Shukla, J. S. P. Rai and Deepak Srivastava (2010)
Cardanol-based epoxidized novolac vinyl ester resin: a study on the synthesis and curing
Conference on Embracing Technological Advances in surface Coatings, organized by
IChE-KRC and OTA, at CSJM University Kanpur, during Mar 20-21, 2010.
118. Priti Shukla , Minakshi Sultania, Neelam Pal, and Deepak Srivastava (2010)
Renewable resource based green polymer composites: A critical viewpoint, National Seminar on
held at U.P. Merchants Chamber Auditorium, Kanpur during 22-23 Oct'10.
119. Priti Shukla, Minakshi Sultania and Deepak Srivastava (2010)
Effect of phenol concentration on the synthesis of vinyl ester resin from cardanol, International
Conference on Polymer Science and Engineering: Emerging Dimensions (PSE-2010)
organized by University Institute of Chemical Engineering and Technology, Punjab University,
Chandigarh, 26-27 Nov'10.
120. Priti Shukla, Minakshi Sultania and Deepak Srivastava (2010)
Studies on the kinetic parameters of modified vinyl ester resin (Macro-2010) held during
December 15th to 17th, 2010 Organized by Centre for Polymer Science and Engineering, Indian
Institute of Technology and Society for Polymer Science, India
121. Minakshi Sultania, Priti Shukla, J.S.P. Rai, Deepak Srivastava (2010)
Effect of CTBN concentrations on thermal and mechanical characteristics of blends cardanol –
vinyl ester resin, Macro-2010 held during December 15th to 17th, 2010 Organized by Centre for
Polymer Science and Engineering, Indian Institute of Technology and Society for Polymer Science,
India
122. Shrawan Kr. Shukla, Priti Shukla, Kavita Srivastava, and Deepak Srivastava (2011)
Bio-mass based polymer from renewable resource: A critical viewpoint, Third conference on
Recent Advances in Polymer Technology (RAPT-2011), 15 Jan'11 at NMU, Jalgaon.
123. Priti Shukla, Shrawan K. Shukla, Kavita Srivastava S. K. Tripathi and Deepak Srivastava (2011)
Study on Physico-mechanical and physico-chemical properties of acrylic based adhesive, Third
conference on Recent Advances in Polymer Technology (RAPT-2011), 15 Jan'11 at NMU,
Jalgaon. .
124. 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.
125. 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.

126. 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.
127. Riya Srivastava, Shrawan K. Shukla, Priti Shukla and Deepak Srivastava
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.
128. 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.
129. 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.
128. 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.
129. Minakshi Sultania, J.S.P. Rai, Deepak Srivastava (2011)
Studies on the thermal, mechanical and morphological characteristics of laminates based on vinyl ester resin and glass fabric, National Conference on Advanced Polymers, Fibers and Fabrics, APF²-2011, held during 26-28th Dec, 2011 at D.M.S.R.D.E., Kanpur.
130. Minakshi Sultania, J.S.P. Rai, Deepak Srivastava (2011)
Computational Studies on optimization of operational parameters of esterification reaction of cashew nut shell liquid (CNSL)-derived epoxy resin using response surface methodology (RSM), National Conference on Advanced Polymers, Fibers and Fabrics, APF²-2011, held during 26-28th Dec, 2011 at D.M.S.R.D.E., Kanpur.
131. 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.
132. Shrawan K. Shukla and Deepak Srivastava (2011)
Synthesis of Biomasses Polymer from Renewable Resource Material, National Conference Advanced Polymers, Fibers and Fabrics, APF²-2011, held during 26-28th Dec, 2011 at D.M.S.R.D.E., Kanpur.
133. Priti Shukla and Deepak Srivastava (2011)

Blends Of Cardanol-based Epoxidized Novolac Resin and CTBN : A Study On Curing And Degradation Characteristics, National Conference on Advanced Polymers, Fibers and Fabrics, APF²- 2011, held during 26-28th Dec, 2011 at D.M.S.R.D.E., Kanpur.

134. Priti Shukla and Deepak Srivastava (2011)
Phenol-Cardanol based Epoxidized Novolac Vinyl Ester Resin: Synthesis and characterization, National Conference on Advanced Polymers, Fibers and Fabrics, APF²-2011, held during 26-28th Dec, 2011 at D.M.S.R.D.E., Kanpur.
135. Riya Srivastava, Shrawan K. Shukla, Priti Shukla, Minakshi Sultania, and Deepak Srivastava
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.
136. Shrawan K. Shukla, Riya Srivastava, Priti Shukla, Minakshi Sultania and Deepak Srivastava
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.
137. Shrawan K. Shukla, Priti Shukla, Kavita Srivastava, Deepak Srivastava, (2012)
A study on the influence of the temperature on the formation of cardanol-based phenolic resin” 1st Internationalconference on functional Materials for defence (ICFMD-2012), organized by Defence Institute ofAdvanced Technology,(DIAT), Pune, India during 18-20 May 2012.
138. Shrawan K. Shukla, Arun Maithani and Deepak Srivastava (2012)
“Studies on Biomass-based Polymer 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.
139. 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.
140. Shrawan K. Shukla and Deepak Srivastava (2012)
“Studies on environment friendly Bio Based-Polymer Nanocomposites” Chemical Concellation Cheminar- An International Conference held at Dept. of Chemistry, Dr. B.R.A.NIT, Jalandhar (Punjab) during 10-12 Sept. 2012
141. Shrawan K. Shukla, Arun Maithani and Deepak Srivastava (2012)
“Modeling and simulation of kinetics of chemical reaction of the cardanol - based resin system by in situ polymerization setup” 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.
142. 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.

144. Riya Srivastava and Deepak Srivastava (2013)
Studies on the Kinetics Of Condensation Reaction Of Cardanol And Furfural using Catalyst”
Proceedings of International Conference on Advancement in Polymeric Material. ” 2013
Organized by CIPET, Chennai, held at CIPET Lucknow, March 1-3, 2013
145. Riya Srivastava and Deepak Srivastava (2013)
Utilization of renewable resource in the synthesis of novolac polymers: A Study on its Structural Analysis” *Proceedings of International Conference on Advancement in Polymeric Material.* ”
Organized by CIPET, Chennai, held at CIPET Lucknow, March 1-3, 2013.
146. Minakshi Sultania Garg and Deepak Srivastava (2013)
Cardanol-Based Vinyl Ester Resin, Styrene and Glycidyl Methacrylate Ternary Blend Systems: Studies on Preparation, Spectral, Curing and Mechanical Analysis” (2013) *Proceedings of International Conference on Advancement in Polymeric Material.* ” 2013 Organized by CIPET, Chennai, held at CIPET Lucknow, March 1-3, 2013.
147. Shrawan Kumar Shukla, Arun Maithani and Deepak Srivastava (2013)
“Indian and Global Market Scenario of Paint Industry: A Critical review” PACT VISION SEMINAR 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.
148. Riya Srivastava and Deepak srivastava (2013)
“Indian and Global Market Scenario of Paint Industry: A Critical review” PACT VISION SEMINAR 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.
149. Shrawan Kumar Shukla and Deepak Srivastava (2013)
A study on the thermal and mechanical properties of resole resin derived from cardanol”
International Conference on Emerging Trends and development in science, management and Technology (ICETDSMT-2013) at RKGIT, Ghaziabad during March 11-12, 2013.
150. Deepak Srivastava (2013)
Crosslinked cardanol-based vinyl ester-montmorillonite (MMT) clay nanocomposites, International Seminar on Advances in Bio-& Nano-Materials (ISABNM-2013) at University of Lucknow, Nov. 17, 2013.
151. Riya Srivastava and Deepak Srivastava (2013)
Effect of Nanoclay modifier on the mechanical and thermal properties of epoxy nanocomposite
International Seminar on Bio-inorganic and -nanomaterials (ISABNM-2013) at University of Lucknow, Nov. 17, 2013.

152. Shrawan K. Shukla and Deepak Srivastava (2013)
"Studies on materials properties and bio-degradability of bio-nano composites" International Seminar on Bio-inorganic and -nanomaterials (ISABNM-2013) at University of Lucknow, Nov. 17, 2013
153. Shrawan K. Shukla, Kavita Srivastava and Deepak Srivastava (2013)
Nano-biocomposites from renewable resources: a Novel Biodegradable Material, 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.
154. Riya Srivastava, Kavita Srivastava and Deepak Srivastava (2013)
Nano-biocomposites from renewable resources: a Novel Biodegradable Material, 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.
155. Shrawan K. Shukla and Deepak Srivastava (2013)
"Importance of science and technology in human welfare" International conference on "Contribution of Science & Technology in human welfare" (in Hindi) organized by DESIDOC, Met cafe House (A Unit of DRDO), New Delhi, during Dec. 5-7, 2013.
155. Shrawan K. Shukla and Deepak Srivastava (2013)
Preparation and evaluation of anti-corrosive properties of bio-based resin from cardanol," Research Scholar Day organized by I.I.S.T., Thiruananthpuram during Dec. 16-17, 2013.
156. Shrawan K. Shukla and Deepak Srivastava (2014)
"Comparative degradation studies of cardanol-based epoxidized resole resins using coat-redfern, horowitz-metzger and broido methods" First National symposium on "Advances in Sustainable Polymers", organized by Dept. of Chemical Engineering, I.I.T., Guwahati during Jan. 10-11, 2014.
157. Riya Srivastava and Deepak Srivastava (2014)
"Epoxy resin based on renewable resource for application in composite" EFIME National Conference organized by Dept. of Mech. Engg., H.B.T.I., Kanpur during Feb. 15-16, 2014.
158. Riya Srivastava and Deepak Srivastava (2014)
"A Study on Analysis and Characterization of Epoxy Resin based on Renewable Resource Material for multifarious applications" APA International Conference on Polymers: Vision and Innovations (APA-2014) organized by IIT, Delhi Feb. 19-21, 2014 at India Habitat Centre, New Delhi.
159. Shrawan K. Shukla and Deepak Srivastava (2014)

- “Studies on the preparation and characterization of cardanol-maleic anhydride based resin” APA International Conference on Polymers: Vision and Innovations (APA-2014) organized by IIT, Delhi Feb. 19-21, 2014 at India Habitat Centre, New Delhi.
160. Shrawan K. Shukla and Deepak Srivastava (2014)
“Studies on the blends cardanol-maleic anhydride based resin system and CTBN- Mechanical and morphological characteristics” International conference on Electron Microscopy (EMSI-2014) at University of Delhi, Delhi, during July 9-11, 2014.
 161. 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) at University of Delhi, Delhi, during July 9-11, 2014
 162. 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) at University of Delhi, Delhi, during July 9-11, 2014
 163. 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.
 164. Riya Srivastava and Deepak Srivastava (2014)
“Mechanical, chemical and thermal properties of epoxy resins based on renewable resources for application in cost effective coatings” 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.
 165. Shrawan K. Shukla and Deepak Srivastava (2015)
A study on reaction kinetics of cardanol and maleic anhydride. National Conference on Newer Oleo-Chemicals: Productions & Applications organized by Centre of Excellence on Applied Research, Training and Education in Lipid Science at H.B.T.I., Kanpur, during Jan. 10-11, 2015.
 166. Riya Srivastava and Deepak Srivastava (2015)
Mechanical, thermal and chemical characteristics of renewable resource based epoxy resins for application in eco-efficient coatings, National conference on Newer oleo-chemicals: production and industrial applications under TEQIP-II, World Bank Project organized by Oil and Paint Department at HBTI, Kanpur during January 10-11, 2015.
 167. Shrawan Kumar Shukla, Kavita Srivastava and Deepak Srivastava (2015)
Thermal and morphological characteristics of cardanol based modified epoxy resin for use in surface coatings 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.

168. 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.
169. Riya Srivastava, Shrawan Kumar Shukla and Deepak Srivastava (2015)
Studies on the thermal, mechanical and morphological characteristics of blends of DGEBAepoxy, 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.
170. 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.
171. 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.
172. Shrawan Kumar Shukla, Kavita Srivastava and Deepak Srivastava (2015)
Studies on the properties of resole type phenolic resin derived from natural resources, Conference on Innovations in Materials, Design & Manufacturing organized by Department of Mechanical Engineering at HBTI, Kanpur- 208002 held during March 27-28, 2015.
173. Kavita Srivastava and Deepak Srivastava (2015)
Studies on the determination of kinetic parameters for the copolymerization of methyl acrylate and styrene, in presence of fullerene, using triphenylstibonium 1,2,3,4-tetraphenylcyclopentadiene ylide as initiator, National seminar on Recent Innovations in Advanced Materials (RIAM 2015) organized by CSIR – Advanced Materials and Processes Research Institute (AMPRI), Bhopal, Materials Research Society of India (MRSI), Bhopal Chapter and MP Council of Science and Technology, Bhopal at CSIR – AMPRI, Bhopal held on Dec. 29, 2015.
174. Kavita Srivastava, Deepak Srivastava and Santosh K. Tripathi (2016)
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) organized by Dept. of Applied Sciences and Humanities, Rama University, Kanpur held on March 19, 2016.
175. Kavita Srivastava, Shrawan K. Shukla, Shailesh Kumar Shukla, and Deepak Srivastava (2016)
Studies on the toughening of thermosetting resin using elastomeric modifier, National conference on Advances in Material Design and Manufacturing (AMDM-2016) organized by Allenhouse Institute of Technology, Kanpur held during Jan. 30-31, 2016.

176. Shrawan Kumar Shukla, Kavita Srivastava, and Deepak Srivastava (2016)
A study on the thermal and mechanical properties of cardanol-based resins, National conference on Advances in Material Design and Manufacturing (AMDM-2016) organized by Allenhouse Institute of Technology, Kanpur held during Jan. 30-31, 2016.
177. Manoj Kumar Shukla and Deepak Srivastava (2016)
DGEBA Epoxy/CaCO₃ Nano Composites for improved Chemical Resistance & Mechanical properties for Coating Applications
Presented by Ph D student in International Conference on "Advancements in polymeric Materials (APM 2016)" at CIPET Ahmadabad during Feb.12-14, 2016.
178. Manoj Kumar Shukla, Archana Mishra, Kavita Srivastava and Deepak Srivastava (2017)
Nano calcium Carbonate Based Polymer Nano Composites: A Study on Structural and Mechanical Properties
Presented by co-author Manoj Kuamr Shukla in International Conference on Design, Materials Manufacturing Concern in Production of Quality Engineering Goods at Dept. of Mechanical Engg, SoE, Harcourt Butler Technical University (HBTU), Kanpur during March 27-29, 2017.
179. G. M. Sawood, Kavita Srivastava, A K Rathore, S K Gupta and Deepak Srivastava (2017)
Phenol-cardanol-formaldehyde based epoxidized novolac type resin : A study on cure characteristics
Presented by co-author G M Sawood in National Conference on "Advances in Chemistry for Sustainable Development (ACSD 2017) jointly organized by Department of Chemistry and Department of Mechanical Engineering, HBTU, Kanpur at HBTU, Kanpur during March 22-23, 2017.
180. Surbhi Dahiya, Kavita Srivastava, A K Rathore, S K Gupta and Deepak Srivastava (2017)
A study on copolymerization of MMA and styrene in presence of Fullerene, using ylide as initiator
Presented by co-author Surbhi Bahya in National Conference on "Advances in Chemistry for Sustainable Development (ACSD 2017) jointly organized by Department of Chemistry and Department of Mechanical Engineering, HBTU, Kanpur at HBTU, Kanpur during March 22-23, 2017.

Workshop/Conference/FDP/Short Course etc. organized

1. Organized TEQIP III sponsored Two Days workshop on “**Advanced Analytical Techniques**”, as Co-Chairman, organized jointly by Department of Oil Technology and Department of Plastic Technology, School of Chemical Technology at HBTU, Kanpur held during Sept 19-20, 2018.
2. Organized TEQIP III sponsored one day workshop on “**Latest Titration Technique, Ion Chromatography System and Water Purification System**”, as Co-Chairman, organized by Department of Plastic Technology, School of Chemical Technology at HBTU, Kanpur held on Sept 25, 2018.
3. Organized TEQIP III sponsored Six Days Faculty Development Programme (FDP) on “**Recent Developments in Food Processing and Packaging**”, as Co-Chairman, organized jointly by

Department of Food Technology and Department of Plastic Technology, School of Chemical Technology at HBTU, Kanpur held during Sept 24-29, 2018.

International Conference Attended

Deepak Srivastava (2016)

Attended international conference on Futuristic Materials & Emerging Trends in Chemical Sciences (ICOFMAETICS-2016) organized by Department of Chemistry, DBS College, Kanpur at C.S.J.M. University Kanpur during Feb. 8-9, 2016.

Book Published

- Ranjana Yadav and Deepak Srivastava (2012), “**Modification of cardanol - based epoxidized novolac resin with acrylonitrile liquid rubber**”, LAP Lambert Academic Publishing, 296p. ISBN-10: 3659291749, ISBN-13: 978-3659291746

Patents Filed for Publication

Deepak Srivastava, Ashwani Kumar Rathore, Kavita Srivastava, and Shilpi Tiwari
“High toughness epoxy/Bamboo Char Composite reinforced with silanized TiO₂”
Indian Patent, Application No. 202111011903, Filed on March 20, 2021.

Shubham Shukla, Ashwani Kumar Rathore, Manoj Kumar Shukla and Deepak Srivastava
“Touch-free dual liquid dispensing apparatus and method of using the liquid dispensing apparatus”
Indian Patent, Application No. 202111004220, Filed on Feb 01, 2021

Ashwani Kumar Rathore and Deepak Srivastava
“Microwave water distillation device”
Indian Patent, Application No. 202111011376, Filed on March 21, 2021

Chapter in an Edited Book

- 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.
- Minakshi Sultania and Deepak Srivastava (2011), “**Development of vinyl ester resins from renewable and non-renewable resources for advanced applications**” in *Advances in Polymeric Science*, Shishir Sinha, Prakash Biswas & Vinay Kumar (Editors), Studium Press LLC USA (Publisher), Chapter 3A, pp. 95-162, ISBN 10: 9380012519/13: 9789380012513

Invited Talks

- Invited lecture titled "**Studies on the structural changes during curing of epoxy and its blend with CTBN**" in Sixth International Conference on "Perspectives in Vibrational Spectroscopy (ICOPVS 2016) organized by Department of Physics, University of Lucknow, Lucknow at Golden Blossom Imperial Resort, Lucknow during Nov 5-8, 2016.

Industry-Institute interaction

- Under industry-institute interaction programme of TEQIP II undergone three days training in M/s Sachin Poly Industries, Amritsar during Feb 17-19, 2017.