

## Details of Research Paper Published in here Peer Reviewed

### International Journals(Since 2010)

Sl. No.	Title of the papers published	Name of the Journal/Bok/ Paper	Status of the journal & place of publication	Publication Details i.e. Volume, Issue, Year
1.	Thermal and chemical resistance behaviour of cured Epoxy based on Diglycidyl ether of Bisphenol A AND Thiol treated liquid Polysulfide blend	Advanced Polymer Letters	International VBRI PRESS	1(3), 238-245; <b>2010</b>
2.	Synthesis and Characterizations of Poly (Hydroxy Ether of Bisphenol-A) or Phenoxy Modified Epoxy Blends," Varun Dixit, Arun Kumar Nagpal, <b>Reena Singhal</b>	Malaysian Polymer Journal	International Malaysia	Vol.5, no.2, p69-83 <b>2010</b>
3.	Influence of phenoxy modifier on mechanical, electrical and morphological properties of epoxy/DDS system Varun Dixit, Arun K. Nagpal & <b>Reena Singhal</b> ,	International Journal of Plastic Technology	Springer International ISSN: 0972-656X (Print) 0975-072X (Online)	Vol.14, no.1, 38-52, <b>(2010)</b>
4.	Effect of polysulfide modifier on mechanical and morphological properties of epoxy/ phthalic anhydride system; Arundhati Dubey, <b>Reena Singhal</b> & A. K. Nagpal	International Journal of Plastic Technology	International Springer ISSN: 0972-656X (Print) 0975-072X (Online)	Vol.13, no.2, 193-204, <b>(2010)</b>
5.	Study on Effect of Butyl methacrylate content on Swelling & Controlled Release Behaviour of Poly(Acrylamide-co-Butyl-methacrylate-co-Acrylic acid)Environment Responsive Hydrogels"; <b>Reena Singhal</b> , Indu Gupta	International Journal of Polymeric Materials	International Taylor & Francis	Vol. 59 :1–20, <b>(2010)</b>
6.	Copolymerization of Fuuerene (C <sub>60</sub> ) and Methyl methacrylate (MMA using Triphenyl bis uthonium ylide as a Novel initiator and characterization of the copolymers (C <sub>60</sub> -MMA)	J. Macromol. Sc. A: Pure & Appl. Chem.	International journal	47(5) <b>(2010).</b>

	R. Katiyar, D.S.Bag and <b>I. Nigam</b>			
7.	Blends of cardanol-based epoxidized novolac resin and CTBN for application in surface coating: a study on thermal, mechanical, chemical, and morphological characteristics.  Ranjana Yadav and <b>Deepak Srivastava</b>	<u>J. Coatings Tech. Research,</u>	International Journals	<b>(2010)</b> 7(5) 557-568, I. F: 0.838
8.	Kinetic modeling of esterification of cardanol-based epoxy resin in the presence of triphenylphosphine for producing vinyl ester resin: Mechanistic Rate Equation.  Minakshi Sultania, JSP Rai and <b>Deepak Srivastava</b>	J. Appl. Polym. Sci.,	International Journals	<b>(2010)</b> 118 (4) 1979-1989.
9.	Studies on the effect of epoxide equivalent weight of epoxy resins on thermal, mechanical, and chemical characteristics of vinyl ester resins: J. Appl. Polym. Sci.,  Neelam Pal, JSP Rai & <b>Deepak Srivastava</b>	J. Appl. Polym. Sci.,	International Journals	<b>(2010)</b> 117 (4) 2406–2412.
10.	A study on the kinetics of condensation reaction of phenol-modified cardanol–formaldehyde resin:  Priti Shukla, SB Yadaw and <b>Deepak Srivastava</b>		International Journals	<b>(2010)</b> Int. J. Chem. Kinet. 42 (6) 380-389.
11.	Laminates based on vinyl ester resin and glass fabric: A study on the thermal, mechanical and morphological characteristics.  Minakshi Sultania, S.B. Yadaw, JSP Rai and <b>Deepak Srivastava</b>	Mater. Sci. Engg, Part A,	International Journals	<b>(2010)</b> 527(18-19) 4560-4570.
12.	Studies on the synthesis and curing of	Euro. Polym. J.	International	<b>(2010)</b> 46 (10)

	epoxidized novolac vinyl ester resin from renewable resource material.  Minakshi Sultania, JSP Rai and <b>Deepak Srivastava</b>		Journals	2019-2032. I. F : 2.31
13.	Process modelling, optimization and analysis of esterification reaction of cashew nut shell liquid using response surface methodology.  Minakshi Sultania, JSP Rai and <b>Deepak Srivastava</b>	J. Hazard. Mater.	International Journals	(2011) 185 (2-3) 1198-1204, I. F : 4.14
14.	<u>The Effect of CTBN Concentrations on the Kinetic Parameters of Decomposition of Blends of Epoxy Resins Modified with Carboxyl-Terminated Liquid Copolymer.</u>  Minakshi Sultania and <b>Deepak Srivastava</b>	J. Polym. Eenvt	International Journals	(2011) 19 (6) pp. 950-956.
15.	Kinetics of fullerene inhibition in polymerization of methyl acrylate using bismuthonium ylide and bismuthonium ylide mercuric chloride complex as initiators.  Ravindra Singh, Santosh K. Upadhyay & <b>Deepak Srivastava</b>	J. Macromol. Sci. Pure Appl. Chem.	International Journals	(2011) 48 (8), 595-606.
16.	Kinetics of fullerene inhibition in polymerization of vinyl acetate using bismuthonium ylide as Initiator.  Ravindra Singh, Santosh K. Upadhyay & <b>Deepak Srivastava</b>	Designed Monomers and Polymers	International Journals	(2011) 15, 311-328.
17.	Study on the Effect of Carboxyl Terminated Butadiene Acrylonitrile (CTBN) Copolymer Concentration on the Decomposition Kinetics Parameters of Blends of Glycidyl Epoxy and Non-Glycidyl Epoxy Resin.	International Journal of Organic Chemistry.	International Journals	(2011) 1, 105-112

	Garima Tripathi, <b>Deepak Srivastava</b>			
18.	Synthesis and characterization of Poly(MMA-co-EHA-co-PPGDA) latices  Sweta Bajpai J. S. P. Rai and Indira Nigam	Journal of Applied Polymer Science.	International journal	122(1)676-684 <b>(2012)</b>
19.	Synthesis And Characterization Of Crosslinkable Copolymers Of Mma With Diacrylate/Dimethacrylate  Stuti, J. S. P. Rai and Indira Nigam	Malaysian Polymer Journal	International journal	Vol. 7 No. 1, p 34-41, <b>2012</b>
20.	Synthesis and Characterization of Novel Poly(acrylamide-co-acrylic acid-co-2-hydroxy ethyl acrylate) Hydrogels: Mathematical Approach investigation of Swelling Kinetics and Diffusion Models”	Journal of Applied Polymer Science	International Wiley Inter science Online ISSN: 1097-4628	Vol.124:3, 2348-2361 <b>(2012)</b>
21.	A Mathematical Study on Effect of 2-Hydroxyl Ethyl Acrylate on Controlled Drug Diffusion from Smart Hydrogels Based on Poly(acrylamide-co-hydroxy ethyl acrylate - co-acrylic acid) <b>Seema Awasthi, Reena Singhal</b>	Journal of Macromolecular Science, Part A: Pure and Applied Chemistry	International Taylor & ISSN 1060-1325 (Print), 1520-5738 (Online) Publication Frequency 12 issues per year	Vol. 49, No.5, 1–17, <b>(2012)</b>
22.	Poly (Acrylic acid / Acrylamide / Sodium Humate) superabsorbent hydrogels for metal ion/Dye adsorption: Effect of Sodium Humate concentration <b>Tripti Singh and Reena Singhal</b>	Journal of Applied Polymer Science	International Wiley Inter science Online ISSN: 1097-4628	Vol.125, 1267–1283 <b>(2012)</b>
23.	Fullerene as radical inhibitor in polymerization acrylonitrile initiated by arsenium ylide  <b>Ravindra Singh, Santosh K. Upadhyay &amp; Deepak Srivastava</b>	Polymer Sci. Ser. B	International Journals	<b>(2012)</b> 54 (1-2), 88-93.
24.	Modeling and simulation of curing kinetics	Materials Chemistry	International	<b>(2012)</b> 132 (2012)

	for the cardanol-based vinyl ester resin by means of non-isothermal DSC measurements:  Minakshi Sultania, JSP Rai and <b>Deepak Srivastava</b>	and Physics	Journals	180– 186.
25.	Synthesis, Characterization and Curing Behaviour of Phenol-Cardanol Based Vinyl Ester Resin:  Priti Shukla and <b>Deepak Srivastava</b>	Malaysian Journal of Chemistry	International Journals	(2012) (14) 1, 005 – 020.
26.	Mechanical and Morphological Study of the Modification of Phenol-Cardanol-Based Epoxidized Novolac Resin:  Priti Shukla and <b>Deepak Srivastava</b>	International Journal of ChemTech Research	International Journals	(2012) 4, 1522-1526
27.	Statistical Design and Response Surface Technique for the Optimization of Cardanol Based Phenolic Polymer.  Ranjana Yadav and <b>Deepak Srivastava</b>	Archives of Applied Science Research,	International Journals	(2012) 4 (5), 2261-2273.
28.	Fullerene as radical inhibitor in polymerization acrylonitrile initiated by arsenium ylide  Ravindra Singh, Santosh K. Upadhyay & <b>Deepak Srivastava</b>	Polymer Sci. Ser. B	International Journals	(2012) 54 (1-2), 88-93.
29.	A study on interaction and solubility of acetaminophen with poly (AM-co-HEA-co-AA) hydrogels by DSC: Effect on drug diffusion behavior Seema Awasthi and <b>Reena Singhal</b>	Journal of Macromolecular Science, Part A: Pure and Chemistry	International Taylor & Francis ISSN 1060-1325 (Print), 1520-5738 (Online) Publication Frequency 12 issues per year	Vol. 50; Issue I, <b>January 2013</b> , 72-89
30.	Thermal Properties of Fullerene (C60) containing Poy (akyl methacrylate).	Thermochimica Acta	International journal	Vol.557 <b>April</b>

	R. Katiyar, D.S.Bag and <b>I. Nigam</b>			<b>2013</b> , 55-60
31.	Reuse of a Waste Adsorbent poly(AAc/AM/SH)-Cu Superabsorbent Hydrogel, for the Potential Phosphate ion Removal from Waste Water: Matrix Effects, Adsorption Kinetics, and Thermodynamic Studies. Tripti Singh, <b>Reena Singhal</b> *	Journal of Applied Polymer Science	International Wiley Interscience Online ISSN: 1097-4628	Vol.129( 6), <b>2013</b> ; 15 Sept.2013; 3126-3139
32.	Utilization of renewable resources in the synthesis of novolac polymers :: Studies on its Structural And Curing.  Riya Srivastava and <b>Deepak Srivastava</b>	Int. J. Res. Rev. Eng. Sci. Tec.	International Journals	<b>(2013)</b> 2: 22-25.
33.	Studies on the synthesis and curing of thermosetting novolac resin using renewable resource material.  Riya Srivastava and <b>Deepak Srivastava</b>	Int. J. Chem.Tech. Res.,	International Journals	<b>(2013)</b> 5: 2575-2581.
34.	Fullerene Containing Poly(N-isopropylacrylamide) Thermo-responsive Smart Hydrogels and their Swelling Behavior  R. Katiyar, D.S.Bag and <b>I. Nigam</b>	Journal of Polymer Materials		<b>(2013)</b> 30, 1, 15-26.
35.	Radical Polymerization of Ethyl Methacrylate (EMA) in the Presence of Fullerene using Triphenyl bismuthonium ylide as an Initiator and Characterization of the Synthesized Polymers  R. Katiyar, D.S.Bag and <b>I. Nigam</b>	Journal of Polymer Research		<b>(2013)</b> 20, 243- 253,
36.	Studies on the effect of concentration of formaldehyde on the synthesis of resole type epoxidized phenolic resin from renewable resource material.  Shrawan Kumar Shukla, Arun Maithani and <b>Deepak Srivastava</b>	Designed Monomers & Polymers Journal	International Journals	<b>(2014)</b> 17:1, 69-77.

37.	Compatibility, Thermal, Mechanical and Morphological Properties of Cardanol based Epoxidized Resin Modified with liquid rubber.  Ranjana Yadav and <b>Deepak Srivastava</b>	International Journal of Plastics Technology	International Journals	(2014) 18(1), 2014, p.27-28
38.	Reaction kinetics of esterification of phenol-cardanol based epoxidized novolac resins and methacrylic acid.  Priti Shukla and <b>Deepak Srivastava</b>	International Journal of Plastics Technology	International Journals	(2014) 18(8), 2014, p.1-15
39.	Preparation and thermo-mechanical characterization of novel epoxy resins using renewable resource materials.  Riya Srivastava and <b>Deepak Srivastava</b>	Journal of Polymers and Environment	International Journals	(2014) 23(3), 283-293
40.	Study of degradation kinetics of bio-based vinyl ester resin using thermogravimetric analyzer,  Minakshi Sultania Garg, Kavita Srivastava and <b>Deepak Srivastava</b>	Malysian Polymer Journal	International Journals	(2014) 9(1),2014, p.10-17
41.	Effect of glycidyl methacrylate (GMA) content on thermal and mechanical properties of ternary blend systems based on cardanol-based vinyl ester resin, styrene and glycidyl methacrylate, Progress in.  Minakshi Sultania Garg, <b>Deepak Srivastava</b>	Organic Coatings	International Journals	(2014) 77, 1208–1220
42.	Regenerable Hydrogels Based on poly(acrylic acid-sodium acrylate-acrylamide) Modified by Sodium Humate for High Removal of Pb <sup>2+</sup> and Fe <sup>2+</sup> ions: Metal Adsorption Kinetics and Thermodynamic Studies Tripti Singh, <b>Reena Singhal*</b>	Desalination and Water Treatment	International Taylor & Francis ISSN 1944-3994 (Print), 1944-3986 (Online)	Vol.52 (28-30), <b>2014</b> ; DOI:10.1080/19443994.2013.808588;p ages 5611-5628
43	Synthesis And Evaluation Of Swelling Characteristics Of Fullerene (C <sub>60</sub> ) Containing Cross-linked Poly(2-hydroxyethyl	Adv. Mater. Lett.		(2014) 5, 4, 214-222.

	Methacrylate) Hydrogel R. Katiyar, D.S.Bag and <b>I. Nigam</b>			
44.	Kinetics and thermodynamics of cationic dye adsorption onto dry and swollen hydrogels poly(acrylic acid-sodium acrylate-acrylamide) sodium humate  Tripti Singh, <b>Reena Singhal</b>	Desalination and Water Treatment	International Taylor & Francis ISSN 1944-3994 (Print), 1944-3986 (Online)	Vol.53(13), <b>2015</b> ; DOI:10.1080/19443994.2013.871342; pages 3668-3680
45.	Methyl Orange Adsorption by Reuse of a Waste Adsorbent poly(AAc/AM/SH)-MB Superabsorbent Hydrogel: Matrix effects, Adsorption Thermodynamic and Kinetics Studies" Tripti Singh, <b>Reena Singhal</b>	Desalination and Water Treatment;	International Taylor & Francis ISSN 1944-3994 (Print), 1944-3986 (Online)	DOI:10.1080/19443994.2013.859098 Vol.53( 7), <b>2015</b> ; feb.2015;pages 1942-1956
46.	A Review: Tailor made Hydrogel Structures (Clamifications and Sythesis Parameters); <b>Reena Singhal</b> , Kshitij Gupta	Polymer Plastic and Technology and Engineering	International Taylor & Francis ISSN 0360-2559 (Print), 1525-6111 (Online) 17 Issues /yr	Published online in <b>Aug,2015</b> ; 55:1, 54-70, DOI: 10.1080/03602559.2015.1050520
47.	Mathematical modeling for the prediction of the overall swelling profile from poly(AM-co-AA-co-HEA) hydrogels: effect of glycidyl methacrylate and ammonium per sulphate S Awasthi, <b>Reena Singhal</b>	International Journal of Plastics Technology, 1-22	International Springer ISSN: 0972-656X (Print) 0975-072X (Online)	DOI 10.1007/S12588-015-9124-1 Published online <b>Dec 2015</b> ;1-22
48.	Microwave Assisted Synthesis and Characterization of Resole-type Phenolic Resins,  Kavita Srivastava, Santosh Kumar Tripathi and <b>Deepak Srivastava</b>	High Performance Polymers	International Journals	<b>(2015)</b>  27 (1), 19-30
49.	Synthesis, spectral and degradation kinetic study of the epoxidized resole resin derived from cardanol.  Shrawan Kumar Shukla, Kavita Srivastava and <b>Deepak Srivastava</b>	Advances in Polymer Technology	International Journals	<b>(2015)</b>  34 (1) 21469 (1-8).



50.	Mechanical, chemical and curing characteristics of cardanol furfural based novolac resin for application in green coatings.  Riya Srivastava and <b>Deepak Srivastava</b>	Journal of Coating Technology and Research	International Journals	<b>(2015)</b>  12 (2), 303-311.
51.	Physical and Chemical Toughening of Cardanol-based Vinyl Ester Resin using CTBN: A Study on Spectral.  Minakshi Sultania Garg, Kavita Srivastava and <b>Deepak Srivastava</b>	Thermal and Morphological Characteristics, Progress in Organic Coatings	International Journals	<b>(2015)</b>  78, 307-317.
52.	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, M. K. Kaushik, S. K. Tripathi and <b>Deepak Srivastava</b>	Intl. Innov. Res. Sci. Engg. Tech.	International Journals	<b>(2016)</b>  5 (3), 3560-3567.
53.	Mathematical modeling of swelling for Analyzing the effect of high and low nonionic monomer content for poly (AM-co-HEA-co-AA) hydrogels; Seema Awasthi, <b>Reena Singhal*</b>	Journal of polymer material	International M.D.I. Publications, India	Vol. 33, No. 2, <b>June 2016</b> , 271-292