RESUME

Dr. Shipra Jaswal
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Department of Chemistry
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PERSONAL PROFILE

Name	: Dr. Shipra Jaswal
Date of Birth	: 7th September,1985
Nationality	: Indian
Permanent Address	: W/o Sh. Surinder Singh Pathania, Vill. Chheorin, P.O. - Bohni, Teh. & Distt. Hamirpur, Himachal Pardesh, India.
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Martial Status	: Married

EDUCATIONAL QUALIFICATIONS

Qualification	Institute/University	Percentage	Year
Ph.D.	National Institute of Technology, Hamirpur, H.P.	9.25 (CGPI)	2016
B.Ed	HPU, Shimla	77%	2009
M.Sc.	HPU, Shimla	73%	2008
B.Sc.	HPU, Shimla	82%	2006
10+2	HPBSE	70%	2002
10th	HPBSE	87%	2000

AREAS OF RESEARCH

Polymers, Self Healing Coatings, Adhesives, Coatings.

Title of Phd Thesis : **Synthesis, Characterization and Evaluation of Gum Rosin Based Vinyl Ester Resins**

SERVICES

S.No.	Institute	Period of service in each post	Designation	Nature of work and level of responsibilities
1.	Gautam Group of Colleges, Hamipur	Feb. 2016 to till date	Assistant Professor	Teaching (M.Sc. and B.Sc.)
2.	Women Scientist in project sanctioned under WOS-A Scheme, DST, New Delhi.	Jan. 2013 to Jan. 2016	Principal Investigator	Research
3.	MIT Group of Colleges, Bani, Hamirpur.	July, 2010 to July 2011	Assistant Professor	Teaching

PROJECT SANCTIONED (From Jan. 2013 to Jan., 2016)

Project entitled, "Synthesis, characterization and evaluation of thermal and mechanical properties and chemical resistance of new series of dendritic/hyperbranched vinyl ester resins based on rosin acid" under Women Scientist Scheme-A with ref. no. SR/WOS-A/CS-41/2012, sanctioned by Department of Science and Technology, New Delhi.

LIST OF PUBLICATIONS (In SCI Journals)

1. Jaswal S., Gaur B., Curing and decomposition behaviour of cresol novolac based vinyl ester resins, Chemical Engineering Transactions, 32, 1591-1596, 2013. DOI:10.3303/CET1332266

2. Jaswal S., Gaur B., New trends in Vinyl Ester Resins, Reviews in Chemical Engineering, 30 (6), 2014.

3. Jaswal S., Gaur B., Green methacrylated lignin model compounds as reactive monomers with low VOC emission for thermosetting resins, Green Processing and Synthesis, 4 (3), 191-202, 2015.

4. Jaswal S., Gaur B., Morphological, Mechanical and Physio-chemical Performance of ortho-Cresol Epoxy Novolac Based Vinyl Ester Resin, Polish Journal of chemical Technology, 17 (3), 1-7, 2015.

5. Jaswal S., Gaur B., Structure-property correlation study of bio-based multifunctional vinyl ester resin in presence of methacrylated lignin model compounds, Polymer Science-series B, 57 (5), 417-433, 2015.

6. T. Thakur, S. Jaswal, S. Parihar, B.Gaur*., A. S. Singha., Bio-based epoxy thermosets with rosin derived imidoamine curing agents and their structure-property relationships., eXPRESS Polymer Letters Vol.14, No.6 (2020) 512–529.

7. Shipra Jaswal., Tamanna Thakur., Bharti Gaur., A. S. Singha., High-performance gum rosin-modifed hyperbranched vinyl ester resin derived from multifunctional pentaerythritol, Polymer Bulletin, Received: 24 April 2020 / Revised: 10 November 2020 / Accepted: 4 December 2020.

8. Tamanna Thakur, Shipra Jaswal, Bharti Gaur, Amar Singh Singha., Thermo-mechanical properties of rosin-modified o-cresol novolac epoxy thermosets comprising rosin-based imidoamine curing agents., Polym Eng Sci. 2021;61:115–135., DOI: 10.1002/pen.25562.

9. Shipra Jaswal., Tamanna Thakur., Bharti Gaur., Rosin-modified o-cresol novolac based vinyl ester thermosets containing methacrylated lignin model compounds: synthesis, curing and thermo-mechanical analysis., Journal of Polymer Research (2021) 28:111.

LIST OF PAPERS PRESENTED IN INTERNATIONAL/NATIONAL CONFERENCE

1. Jaswal S., Gaur B., Curing and decomposition behaviour of cresol novolac based vinyl ester resins, Chemical Engineering Transactions, 32, 1591-1596, 2013, DOI:10.3303/CET1332266
2. Shipra Jaswal, Vaishnav Kiran, Bharti Gaur, "Thermal performance of m-cresol Novolac Based Vinyl ester resin", National conference on Recent Advances in Condensed Matter Physics (RACMP-13), June 1-2, 2013,NIT Hamirpur, H.P. India.
3. Shipra Jaswal, Bharti Gaur*, "Effect of Methacrylated Lignin Model Compounds as Bio-Based Reactive Monomers on Thermal and Mechanical Behavior of O-Cresol Epoxy Based Vinyl Ester Resin", National conference on Recent Trends in Chemical sciences, Engineering and Technology (RTCET-14), May 29-30, 2014, NIT Hamirpur, H.P. India.
4. Shipra Jaswal, Bharti Gaur*, "Curing and thermal performance of bio-based and multifunctional vinyl ester resin based on Gum rosin" National Symposium on Innovations in Chemical Sciences, March 20-21 2015, Department of chemistry, Panjab University, Chandigarh.
5. Shipra Jaswal, Bharti Gaur*, Modification of Vinyl Ester Resin Based on O-Cresol Epoxy Novolac With Gum Rosin" National Conference on Analytical Chemistry and Molecular Spectroscopy, 13-14 October, 2016, National Institute of Technology, H.P., India.

I hereby declare that the details mentioned above are correct to best of my knowledge.

Dr. Shipra Jaswal