

Faculty Publications in International Journals (in last 5 years)

Name of the faculty with co authors	Title of the paper	Title of the Journal	Publications	Impact Factor	Vol. No., Issue No., Page No., & Year
R Anbarasan, S Luna Eunice, B Meenarathi	Effect of magnetic nanohybride on the structure-properties relationship of polystyrene based copolymer	Journal of Inorganic and organo metallic polymers and meterials	Springer	3.13	854-862 (2018)
J. Dhanalakshmi, PK Vimalathithan and C.T.Vijayakumar	Studies on thermal degradation kinetics of structurally diverse polybispropargyl ethers	Science Letters Journal	Cognizure	0.891	5: 241 (2018)
J. Dhanalakshmi, C.T.Vijayakumar	Copper salt assisted polymerization of bispropargyl ether-bismaleimide blend	Journal of Elastomers and Plastics	SAGE Publications Ltd	1.833	51, 1, 52-63 (2019)
J. Dhanalakshmi, C.T.Vijayakumar	Thermal studies on dry bonding adhesive system for potential rubber article applications	Journal of Adhesion Science and Technology	Taylor and Francis Ltd.	2.077	34, 3, 233-245 (2019)
V. Sarannya, S.Shamim Rishwana, R. Mahalakshmy, A. Mahendran and C. T. Vijayakumar	Bis(isomaleimide) and diphenol blends: Non-isothermal degradation kinetics and TG-FTIR studies	Journal of Elastomers & Plastics	SAGE Publications Ltd	1.833	51, 7, 644-668 (2019)
J. Dhanalakshmi, C.T.Vijayakumar	Particulate nanocomposites based on bismaleimide–graphene oxide: Thermal studies	Nano-Structures & Nano-Objects	Elsevier	5.45	24, 100604 - 100614 (2020)
V. Sarannya, S.Shamim Rishwana, R. Mahalakshmy, A. Mahendran, R. Surender and C. T. Vijayakumar	Synthesis and thermal studies of bis(isomaleimide) / bisphenol A and ortho novalac blends	Journal of Elastomers & Plastics	SAGE Publications Ltd	1.833	52, 6, 495-520 (2020)
J. Dhanalakshmi, S. Siva Kaylasa Sundari and C.T.	Thermal Studies on Styryl Modified Resorcinolic Resin – Formaldehyde Donar Adhesion	A Comprehensive Guide	Nova science publishe	-	109-125 (2021)

Vijayakumar	Systems for Rubber Industry	to Formaldehyde	rs		
S. Siva Kaylasa Sundari, S. Shamim Rishwana, J. Dhanalakshmi, R. Ramani and Vijayakumar C.T,	Nanoporous metal organic frameworks: effect of thermal history on crystallinity and Thermal stability	Multidisciplinary science and advanced technologies	Nova science publishers	-	107 (2021)
S. Siva Kaylasa Sundari, S. Shamim Rishwana, J. Dhanalakshmi, R. Ramani and Vijayakumar C.T,	Nanoporous metal organic frameworks: effect of thermal history on crystallinity and Thermal stability	Multidisciplinary science and advanced technologies	Nova science publishers	-	107 (2021)
S. Shamim Rishwana, S. Siva Kaylasa Sundari, Arunjunai Raj Mahendran and C. T. Vijayakumar	Thermal curing characteristics of bisbenzoxazines based on 4,4-diaminodiphenyl sulphone and 4,4-dihydroxy diphenyl sulphone and thermal degradation of thermoset derived from these monomers	A Comprehensive Guide to Formaldehyde	Nova science publishers	-	45 (2021)
S. Siva Kaylasa Sundari S. Shamim Rishwana • T. M. Kotresh R. Ramani R. Indu Shekar C. T. Vijayakumar	Effect of structural variation on the thermal degradation of nanoporous aluminum fumarate metal organic framework (MOF)	Journal of Thermal Analysis and Calorimetry	Springer	4.626	147, 5067-5085 (2022)
S. Siva Kaylasa Sundari, S. Shamim Rishwana, S. Poornimadevi and C.T. Vijayakumar,	Synthesis of macromolecular brush and its thermal degradation studies	International Journal of Polymer Analysis and Characterization	Taylor and Francis Inc.	2.583	27, 3, 147-157 (2022)
S. Siva Kaylasa Sundari, S. Shamim Rishwana, R. Ramani and C.T. Vijayakumar,	Improvement in electrical and mechanical properties of di/trifunctional epoxies-based hybrid composites having metal organic frameworks (MOFs) as nanoparticulate filler	MRS Communications	Springer	2.566	2022