Research Articles

S. No.	Title of Paper	Name of the author	Name of Journal	Year of Publication	DOI Number	ISSN Number
1	Structure–Property Relationship in Bio-Based Epoxy Novolacs Through Phenol Modification	Dev Tiwari, Radha Sachan, Arun Maithani, Durgesh Kumar Soni	Polymer Engineering & Science	2026	10.1002/pen.70898	Print ISSN: 0032-3888 Online ISSN: 1548-2634
2	Rheological Study on Blend Solutions of Non-mulberry Silk Fibroin and Gelatin Biopolymers	Priti, Roli Purwar, Radha Sachan	Journal of Polymer Materials	2024	10.32381/JPM.2023.40.3-4.6	ISSN 0973-8622
3	Study of MgO-Incorporated Acrylic Emulsion-Based Coating for Antimicrobial Application	Awanish Singh, Priti, Radha Sachan	Protection of Metals and Physical Chemistry of Surfaces	2024	10.1134/S2070205124702526	Print ISSN: 2070-2051 Online ISSN: 2070-206X
4	Acrylic emulsion modified with cow dung for architectural paints	Durgesh Soni, Arun Maithani, Pramod Kamani	AIP Conference Proceedings	2024	10.1063/5.0195169	Online ISSN 1551-7616 Print ISSN 0094-243X
5	Effect of PCL chain length on rheological and mechanical properties of PCL-PDMS-PCL triblock copolymer films	Radha Sachan, Roli Purwar	Journal of Applied Polymer Science	2024	10.1002/app.55542	Online ISSN:1097-4628 Print ISSN:0021-8995
6	Utilization of carbon dioxide for preparation of polyurethane coatings without using the toxic isocyanates	Durgesh K Soni, Arun Maithani, Pramod K Kamani	Materials Today: Proceedings	2023	10.1016/j.matpr.2022.09.465	ISSN: 2214-7853
7	A review on acrylic emulsion based coatings: synthesis, properties and application	Awanish Singh, Radha Sachan	Paint India	2023		ISSN: 0556-4409

8	Chemistry and Technology of stoving/baking Enamel	Arun Maithani, Durgesh Kumar Soni	Paint India	2023		ISSN: 0556-4409
9	Concept of non-volatile by Weight and Volume in coating Formulation and Application	Arun Maithani, Durgesh Kumar Soni	Paint India	2023		ISSN: 0556-4409
10	Soil burial degradation studies of photo-crosslinked PCL-PDMS-PCL triblock copolymer films	Radha Sachan, Roli Purwar	Polymer Engineering & Science	2023	10.1002/pen.26511	Online ISSN:1548-2634 Print ISSN:0032-3888
11	Rheological Study on Blend Solutions of Non-mulberry Silk Fibroin and Gelatin Biopolymers	PRITI, RADHA SACHAN, ROLI PURWAR	Journal of Polymer Materials	2023	0.32381/JPM.2023.40.3-4.6	ISSN:0973-8622
12	Silica modified candelilla wax/thermoplastic polyurethane blend coatings for hydrophobic textiles	Radha Sachan, Roli Purwar	The Journal of The Textile Institute	2022	10.1080/00405000.2021.1926128	Print ISSN: 0040-5000 Online (e-ISSN): 1754-2340
13	Water based quad acrylic copolymer/cloisite 30B nanocomposite heat resistant adhesive: thermal and rheological properties	Radha Sachan, Roli Purwar	Journal of Adhesion Science and Technology	2022	10.1080/01694243.2021.1979760	Print ISSN (pISSN): 0169-4243 Online ISSN (eISSN): 1568-5616
14	Photocrosslinked Poly (ϵ-caprolactone)–Polydimethylsiloxane–Poly (ϵ-caprolactone) Triblock Copolymeric Films: Structural, Thermal and Shape Memory Properties	Radha Sachan, S. G. Warkar, Roli Purwar	ChemistrySelect	2022	10.1002/slct.202201340	ISSN / eISSN: 2365-6549
15	Studies on semi-batch emulsion polymerization: Role of surfactant	M Yadav, R Shekhar, V Joshi, R Purwar, R Sachan	Journal of Surface Science and Technology	2022	10.18311/jsst/2019/23508	Online ISSN : 0976-9420 Print ISSN : 0970-1893
16	Formation of urethane linkage using copolymers of glycidyl methacrylate, methyl methacrylate, and butyl acrylate	DK Soni, A Maithani, PK Kamani	Materials Today: Proceedings	2022	10.1016/j.matpr.2022.05.309	Print/Online ISSN: 2214-7853

Book Chapters

S.No.	Title of Chapter	Name of the author	Name of Book	Year of Publication	Publisher	ISB Number
1	Conversion of biomass waste to lubricants and plasticizers	D Tiwari, V Singh, DK Soni, A Maithani	Sustainable Technologies for Value Addition to Biomass Waste	2026	Elsevier	ISBN: 978-0-443-36318-4
2	Surface Morphology, Structural, and Interfacial Features of Polymers at Nanoscale	Priti, Radha Sachan	Nanostructured Polymers: Synthesis and Performance	2026	Springer Nature Singapore	ISBN 978-981-95-3580-4 ISBN 978-981-95-3581-1 (eBook)
3	Nanomaterials for Thermoelectric Energy Conversion	Satyarth Mishra and Radha Sachan	Convergence of Nanomaterials for Sustainable Energy Solutions	2026	NIPA Genx Electronic Resources & Solutions P. Ltd.	Print ISBN: 978-93-72192-12-44 ebook ISBN: 978-93-72197-65-5
4	Superhydrophobic nanopaints	Radha Sachan, Priti	Nanopaints	2025	Elsevier	ISBN: 978-0-443-26512-9
5	Conducting and thermal barrier nanopaints	Priti , Radha Sachan	Nanopaints	2025	Elsevier	ISBN: 978-0-443-26512-9

Books

S. No.	Title of the Book	Authors	Year of Publication	Publisher	ISB Number
1	Surface Coatings Technology (PART–2)	Dr. Arun Maithani & Dr. Pramod Kumar	2026	Authors Click Publishing	9789366655437
2	Surface Coatings Technology (PART–1)	Dr. Arun Maithani & Dr. Pramod Kumar	2026	Authors Click Publishing	9789366655437
3	Paint Technology: Bahuvikalpiya prashnottari evam saral sankhyatmak prashnavali	Dr. Arun Maithani & Dr. Pramod Kumar	2026	Authors Click Publishing	13789366659534
4	Paint Technology: Fundamentals To Modern Practices	Dr. Arun Maithani & Dr. Pramod Kumar	2026	Authors Click Publishing	9789366659817
5	Technology of Surface Preparation and Coating Application	Dr. Arun Maithani & Dr. Pramod Kumar	2025	Colour Publication	