

## Research Paper

<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Department of the teacher</b>	<b>Name of journal</b>	<b>Year of publication</b>	<b>ISSN number</b>	<b>Link to the recognition in UGC enlistment of the Journal</b>	<b>Link to website of the Journal</b>
A novel approach of solid waste Management via Aromatization Using multiphase Catalytic Pyrolysis of Waste Polyethylene	Pramendra Gaurh	Leather Technology	Waste Management	2018	0956-053X	<a href="https://www.journals.elsevier.com/waste-management">https://www.journals.elsevier.com/waste-management</a>	
Production of benzene/toluene/ethyl benzene/xylene (BTEX) via multiphase catalytic pyrolysis of hazardous waste polyethylene using low cost fly ash synthesized natural catalyst,	Pramendra Gaurh	Leather Technology	Waste Management	2018	0956-053X	<a href="https://www.journals.elsevier.com/waste-management">https://www.journals.elsevier.com/waste-management</a>	
Production and Characterization of pyrolysis oil Using waste Polyethylene in A semi batch Reactor	Pramendra Gaurh	Leather Technology	Indian journal of chemical technology (IJCT)	2018	0975-0991	<a href="http://www.niscair.res.in/periodicals/researchjournals">http://www.niscair.res.in/periodicals/researchjournals</a>	
In-situ production of valuable aromatics via pyrolysis of waste polypropylene using commercial catalyst ZSM-5	Pramendra Gaurh	Leather Technology	Indian journal of chemical technology (IJCT)	2020	0975-0991	<a href="http://www.niscair.res.in/periodicals/researchjournals">http://www.niscair.res.in/periodicals/researchjournals</a>	
Performance and Reusability Assessment of Zsm-5 for the Production of Lighter Aromatics via Pyrolysis of Waste Polystyrene	Pramendra Gaurh	Leather Technology	Indian journal of chemical technology (IJCT)	2020	0975-0991	<a href="http://www.niscair.res.in/periodicals/researchjournals">http://www.niscair.res.in/periodicals/researchjournals</a>	
Dehydration of glucose/fructose to 5-hydroxymethylfurfural (5-HMF) over an easily recyclable sulfated titania (SO <sub>4</sub> <sup>2-</sup> /TiO <sub>2</sub> ) catalyst	Richa Tomer	Leather Technology	New Journal of Chemistry	2020	1369-9261	<a href="https://doi.org/10.1039/D0NJ04151C">https://doi.org/10.1039/D0NJ04151C</a>	

Enzymes in Leather Industry	Sumant Chatterjee	Leather Technology	LeatherAge Magazine	2021	097-1368	<a href="http://leatheragemag.in/">http://leatheragemag.in/</a>
Natural Resins	Sumant Chatterjee	Leather Technology	LeatherAge Magazine	2021	097-1368	<a href="http://leatheragemag.in/">http://leatheragemag.in/</a>
White Leather and White Pigments	Sumant Chatterjee	Leather Technology	LeatherAge Magazine	2021	097-1368	<a href="http://leatheragemag.in/">http://leatheragemag.in/</a>
Footwear Design	Sumant Chatterjee	Leather Technology	LeatherAge Magazine	2021	097-1368	<a href="http://leatheragemag.in/">http://leatheragemag.in/</a>
Plasticizers	Sumant Chatterjee	Leather Technology	LeatherAge Magazine	2021	097-1368	<a href="http://leatheragemag.in/">http://leatheragemag.in/</a>
Gums and waxes	Sumant Chatterjee	Leather Technology	LeatherAge Magazine	2021	097-1368	<a href="http://leatheragemag.in/">http://leatheragemag.in/</a>
Designing with Leather	Sumant Chatterjee	Leather Technology	LeatherAge Magazine	2021	097-1368	<a href="http://leatheragemag.in/">http://leatheragemag.in/</a>
Environmental impact of shoe material	Sumant Chatterjee	Leather Technology	LeatherAge Magazine	2021	097-1368	<a href="http://leatheragemag.in/">http://leatheragemag.in/</a>
Footwear Material	Sumant Chatterjee	Leather Technology	LeatherAge Magazine	2021	097-1368	<a href="http://leatheragemag.in/">http://leatheragemag.in/</a>
Experimental and computational analyses of material flow characteristics in friction stir welding	Abhishek Kumar Lal	Leather Technology	The International Journal of Advanced Manufacturing Technology	2021	1433-3015	<a href="https://www.springer.com/journal/170">https://www.springer.com/journal/170</a>
Dehydration of glucose over sulfate impregnated ZnO (hexagonal-monoclinic) catalyst in dimethyl sulfoxide (DMSO) medium: Production, separation, and purification of 5-hydroxymethylfurfural (5-HMF) with high purity	Richa Tomer	Leather Technology	Catalysis Today	2022	0920-5861	<a href="https://doi.org/10.1016/j.cattod.2022.02.009">https://doi.org/10.1016/j.cattod.2022.02.009</a>
Optimization of reaction parameters by using response surface methodology (RSM) for the selective dehydration of glucose to 5-hydroxymethylfurfural (5-HMF), a valuable platform chemical over a mesoporous TiO <sub>2</sub> catalyst in dimethylsulfoxide (DMSO) medium	Richa Tomer	Leather Technology	Catalysis Today	2022	0920-5861	<a href="https://doi.org/10.1016/j.cattod.2022.03.019">https://doi.org/10.1016/j.cattod.2022.03.019</a>
Reaction kinetics study and the estimation of thermodynamic parameters for the conversion of glucose to 5-hydroxymethylfurfural (5-HMF) in a dimethyl sulfoxide (DMSO) medium in the presence of a mesoporous TiO <sub>2</sub> catalyst	Richa Tomer	Leather Technology	Journal of the Taiwan Institute of Chemical Engineers	2022	1876-1070	<a href="https://doi.org/10.1016/j.jtice.2022.104427">https://doi.org/10.1016/j.jtice.2022.104427</a>