

**(A) Workshop/Conference/FDP/Seminar/Webinar/Industrial Training organized/participated by the Department of Leather Technology**

| <b>Workshop/Conference/FDP/Seminar/Webinar/Industrial Training</b>  | <b>Date</b> |
|---|-------------|
| Industrial Visits at Smit & Zoon Jajmau Kanpur and CSIR-CLRI Jajmau Kanpur                                    | 21-11-2017  |
| Modern Practices in Leather Manufacture   | 15-09-2018  |
| Industrial Visits at Prachi Leather Pvt. Ltd. Jainpur Kanpur Dehat and Tirubala Exports Jainpur Kanpur Dehat  | 27-11-2018  |
| Invited Lecture   | 28-09-2019  |
| Invited Lecture   | 21.01.2020  |
| Recent developments in Leather Processing   | 05.08.2021  |
| Sustainability of Leather Industries  | 23.07.2021  |
| Industrial Visits at Reham Brothers and Smith & Zoon Jajmau Kanpur  | 05.09.2021  |
| Best Alternative Technique for Sustainable Leather Manufacture Process  | 14.09.2021  |
| Environmental Management in Leather Industries  | 16.11.2021  |
| Solid Waste Management  | 17.11.2021  |
| Latest Technology in Leather Processing   | 18.11.2021  |
| Industrial Visits at Tirubala Exports Jainpur Kanpur Dehat and Prachi Leathers Pvt. Ltd. Jainpur Kanpur Dehat | 29.12.2021  |
| Industrial Visits at Jama Corporation Pvt. Ltd. Khalilpur Kanpur Dehat  | 30.12.2021  |

**(B) Awards/Recognition received by the Department of Leather Technology**

| <b>Year of Award</b> | <b>Title of Award</b> | <b>Name of Awardee</b> | <b>Name Awarding Agency</b>                       |
|----------------------|-----------------------|------------------------|---|
| 2018                 | Bharat Jyoti Award    | Mr. Sumant Chatterjee  | India International Friendship society, New Delhi |
| 2018                 | Best citizen of India | Mr. Sumant Chatterjee  | International publication house, New Delhi        |

**(C ) Publications of the Department of Leather Technology**

| <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>   |
|---|-----------------------------|----------------------------------|--|----------------------------|--------------------|---|
| 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>   |

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|--|--------------------|--------------------|--|------|-----------|---|
| 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>   |

**(D) Books and Book Chapters published by the Department of Leather Technology**

| <b>Sr. no.</b> | <b>Name of Teacher</b> | <b>Title of Book(s)/Book Chapter(s)</b>  | <b>Year of Publication</b> | <b>ISSN.ISSBN No.</b> | <b>Name of the Publisher</b> |
|----------------|------------------------|--|----------------------------|-----------------------|------------------------------|
| 1              | Abhishek Kumar Lal     | Finite difference method for chocolate crystallization.                        | 2022                       | 9781003159520         | Taylor Francis, CRC Press    |
| 2              | Abhishek Kumar Lal     | Finite-Volume Simulation for Heat and Mass Transfer in Food Product/Processing | 2022                       | 9781003159520         | Taylor Francis, CRC Press    |