DR. G C Jeyakumar Scientist CLRI Chennai

Structural and magnetic properties of NiO and Fe-doped NiO nanoparticles synthesized by chemical	2016
co-precipitation method R Krishnakanth, G Jayakumar, AA Irudayaraj, AD Raj Materials Today: Proceedings 3 (6), 1370-1377	
Photocatalytic degradation of methylene blue by nickel oxide nanoparticles G Jayakumar, AA Irudayaraj, AD Raj Materials Today: Proceedings 4 (11), 11690-11695	2017
A novel approach to enzymatic unhairing and fiber opening of skin using enzymes immobilized on magnetite nanoparticles G Murugappan, MJA Zakir, GC Jayakumar, Y Khambhaty, KJ Sreeram, ACS Sustainable Chemistry & Engineering 4 (3), 828-834	2016
Particle size effect on the properties of cerium oxide (CeO2) nanoparticles synthesized by hydrothermal method G Jayakumar, AA Irudayaraj, AD Raj	2017
Synthesis and properties of CdO and Fe doped CdO nanoparticles R Ranjithkumar, AA Irudayaraj, G Jayakumar, AD Raj, S Karthick, Materials Today: Proceedings 3 (6), 1378-1382	2016
Extraction of cellulose from renewable resources and its application in leather finishing A Tamilselvi, GC Jayakumar, KS Charan, B Sahu, PR Deepa, SV Kanth, Journal of Cleaner Production 230, 694-699	2019
Investigation on the preparation and properties of nanostructured cerium oxide G Jayakumar, IA Albert, RA Dhayal, M Anusuya Наносистемы: физика, химия, математика 7 (4)	2016
Investigation on the synthesis and photocatalytic activity of activated carbon–cerium oxide (AC–CeO ₂) nanocomposite G Jayakumar, AA Irudayaraj, AD Raj Applied Physics A 125 (11), 742	2019
Extraction of elastin from tannery wastes: A cleaner technology for tannery waste management Z Yoseph, JG Christopher, BA Demessie, AT Selvi, KJ Sreeram, JR Rao Journal of Cleaner Production 243, 118471	2020
Preparation of aluminium sulphate from kaolin and its performance in combination tanning CR China, A Hilonga, MM Maguta, SS Nyandoro, SV Kanth, SN Applied Sciences 1 (8), 920	2019
Studies on the use of bi-functional enzyme for leather making G Jayakumar, M Sathish, R Aravindhan, J Raghava-Rao Journal of the American Leather Chemists Association 111 (12), 455-460	2016
Interaction of glyoxal with collagenous matrix and its behavioral aspects for non-toxic and sustainable tanning system J Kanagaraj, RC Panda, GC Jayakumar International Journal of Environmental Science and Technology 17 (2), 879-890	2020

DR. G C Jeyakumar Scientist CLRI Chennai

A comprehensive investigation on the properties of nanostructured cerium oxide G Jayakumar, AA Irudayaraj, AD Raj Optical and Quantum Electronics 51 (9), 312	2019
Nano-Bio Aldehyde system for Leather Manufacture-227 A Yasothai, GC Jayakumar, S Angayarkanny, NK Peter, VK Swarna	2019
High exhaustion system (HES) for leather process: role of Biocatalyst as an exhaustive aid for wet-end GC Jayakumar, V Karthik, AD AsanFathima, A Tamil Selvi, XXXVth IULTCS congress, Dreseden, Germany	2019
Studies on Paper and Pulp Industry Waste for Leather Making: An Insight in Converting Waste to Wealth P Balasubramanian, M Vedhanayagam, GC Jayakumar, KJ Sreeram, Waste Management and Resource Efficiency, 571-581	2019
Studies on the application of biocolorant for leather dyeing using Monascus purpureus A Selvi, G Jayakumar, N Rani, A Yasothai Journal of the American Leather Chemists Association 113 (4)	2018
Comparative Study of Properties of L-Histidine and L-Histidine Nickel Nitrate Hexahydrate Crystals Grown by Slow Evaporation R Vinayagamoorthy, AA Irudayaraj, AD Raj, S Karthick, G Jayakumar	2017
OPTIMIZATION OF CHAMOIS OXIDATION PROCESS OF LEATHER USING BENZOYL PER OXIDE AS OXIDIZING AGENT B Sahu, JP Alla, GC Jayakumar, K Janardhanan	
A fundamental insight on developing biological value product from plant wastes M Sujitha, GC Jayakumar, RVG Raj, KP Aaron, A Tamilselvi, SV Kanth Journal of Cleaner Production 278, 123043	2021
Development of Sustainable Strategies for Leather Waste Management through Bacterial Remediation A Sindhuja, C Kurinjimalar, GC Jayakumar, A Yasothai, SV Kanth Journal of the American Leather Chemists Association 115 (12), 454-458	2020
Study on structural, magnetic and electrical properties of perovskite lanthanum strontium manganite nanoparticles G Jayakumar, DS Poomagal, AA Irudayaraj, AD Raj, SK Thresa, Journal of Materials Science: Materials in Electronics 31 (23), 20945-20953	2020
Sclerosing Encapsulating Peritonitis Causing Delayed Intestinal Obstruction G Jayakumar, AUV Viswanath, A George, S Sahadevan, S Shameem INDIAN JOURNAL OF SURGERY 82 (5), 985-986	2020
Tuning the morphology and band gap of CdSe nanoparticles via solvothermal method X Venci, A George, AD Raj, AA Irudayaraj, DMA Raj, G Jayakumar, Materials Today: Proceedings	2020
Two step synthesis of vanadium pentoxide thin films for optoelectronic applications	2020

DR. G C Jeyakumar Scientist CLRI Chennai

A George, AD Raj, AA Irudayaraj, DMA Raj, X Venci, G Jayakumar, Materials Today: Proceedings	
Influence of Benzenecarboperoxoic Acid on Chamois Leather Process B Sahu, JP Alla, GC Jayakumar, A Raj Journal of the American Leather Chemists Association 115 (2)	2020
Neoteric Oxidizing Agent for Chamois Process B Sahu, JP Alla, JR Rao, KJ Sreeram Journal of the American Leather Chemists Association 114 (9)	2019
Leathers for marine applications-233 GC Jayakumar	2019
Studies on the Physico-chemical Behavior of Synthetic Tanning Agents in Non-aqueous Medium G Jayakumar, M Javid, A Raja, D Aruna, JR Rao Journal of the American Leather Chemists Association 112 (08), 277-282	2017
Effect of Different Unhairing Methods on the Ionic Liquid Based Fiber Opening Process M Azhar, G Jayakumar, JR Rao, N Fathima	2016

Journal of the American Leather Chemists Association 111 (06), 206-212