

Publications

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S.No	Publication Details
1	<p>Title: Fungus-Resistant Fatliquor from Blended Natural Oils-A Sustainable Lubricating Product</p> <p>Author(s): Sahu, B (Sahu, Bindia); Selvi, AT (Selvi, A. Tamil); Aravindhan, R (Aravindhan, R.)</p> <p>Source: JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION Volume: 115 Issue: 9 Pages: 324-329 Published: SEP 2020</p>
2	<p>Title: Synthesis of Fat Liquor Through Fish Waste Valorization, Characterization and Applications in Tannery Industry</p> <p>Author(s): Saranya, R (Saranya, R.); Selvi, AT (Tamil Selvi, A.); Jayapriya, J (Jayapriya, J.); Aravindhan, R (Aravindhan, R.)</p> <p>Source: WASTE AND BIOMASS VALORIZATION DOI: 10.1007/s12649-020-00944-3 Early Access Date: JAN 2020</p>
3	<p>Title: Studies on the Ethiopian Camel Hides for Their Suitability for Making Leather</p> <p>Author(s): Belay, M (Belay, M.); Karthikeyan, R (Karthikeyan, R.); Sundar, VJ (Sundar, V. John); Aravindhan, R (Aravindhan, R.)</p> <p>Source: JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION Volume: 114 Issue: 2 Pages: 48-54 Published: FEB 2019</p>
4	<p>Title: Natural Sunlight Assisted Bentonite-ZnO Mixed Oxide Catalyst for Organic Pollutant Removal in Leather Post Tanning Wastewater with Solar Reactor</p> <p>Author(s): Kumar, ETD (Kumar, E. T. Deva); Ramalingam, S (Ramalingam, Sathya); Thirumalai, K (Thirumalai, K.); Aravindhan, R (Aravindhan, R.); Swaminathan, M (Swaminathan, M.); Rao, JR (Rao, J. Raghava)</p> <p>Source: JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION Volume: 113 Issue: 8 Pages: 241-247 Published: AUG 2018</p>
5	<p>Title: Preparation of fatliquor having antifungal activity using the oil of Citrullus colocynthis for application in leather processing</p> <p>Author(s): Sahu, B (Sahu, Bindia); Aravindhan, R (Aravindhan, Rathinam); Abu Javid, M (Abu Javid, Mohammed); Gupta, S (Gupta, Sanjeev)</p> <p>Source: INDUSTRIAL CROPS AND PRODUCTS Volume: 108 Pages: 553-557 DOI: 10.1016/j.indcrop.2017.06.029 Published: DEC 1 2017</p>
6	<p>Title: Application of Calophyllum inophyllum oil as antifungal fat-liquor for leather industry</p> <p>Author(s): Sahu, B (Sahu, Bindia); Aravindhan, R (Aravindhan, R.); Abu Javid, M (Abu Javid, Mohammed)</p> <p>Source: INDUSTRIAL CROPS AND PRODUCTS Volume: 105 Pages: 104-112 DOI: 10.1016/j.indcrop.2017.04.064 Published: OCT 15 2017</p>

7	<p>Title: Non-polar Medium Enables Efficient Chrome Tanning</p> <p>Author(s): Thanikaivelan, P (Thanikaivelan, Palanisamy); Silambarasan, S (Silambarasan, Selvaraj); Aravindhan, R (Aravindhan, Rathinam); Rao, JR (Rao, Jonnalagadda Raghava)</p> <p>Source: JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION Volume: 112 Issue: 10 Pages: 338-346 Published: OCT 2017</p>
8	<p>Title: Solar light driven degradation of post tanning water at heterostructured BiVO₄-ZnO mixed oxide catalyst interface</p> <p>Author(s): Kumar, ETD (Kumar, E. T. Deva); Thirumalai, K (Thirumalai, K.); Balachandran, S (Balachandran, S.); Aravindhan, R (Aravindhan, R.); Swaminathan, M (Swaminathan, M.); Rao, JR (Rao, J. Raghava)</p> <p>Source: SURFACES AND INTERFACES Volume: 8 Pages: 147-153 DOI: 10.1016/j.surfin.2017.05.009 Published: SEP 2017</p>
9	<p>Title: A Non-destructive Evaluation of Fluffiness of Leather</p> <p>Author(s): Muthukrishnan, M (Muthukrishnan, M.); Jaimohan, SM (Jaimohan, S. M.); Naresh, MD (Naresh, M. D.); Ramesh, R (Ramesh, R.); Aravindhan, R (Aravindhan, R.); Chandrababu, NK (Chandrababu, N. K.)</p> <p>Source: JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION Volume: 112 Issue: 8 Pages: 263-269 Published: AUG 2017</p>
10	<p>Title: Successful use of Remnant: Attractive Reversible Grain Pattern Leather from Bovine Ear</p> <p>Author(s): Sathish, M (Sathish, M.); Sathya, R (Sathya, R.); Aravindhan, R (Aravindhan, R.); Rao, JR (Rao, J. Raghava)</p> <p>Source: JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION Volume: 112 Issue: 1 Pages: 1-6 Published: JAN 2017</p>
11	<p>Title: Highly clean and efficient enzymatic dehairing in green solvents</p> <p>Author(s): Aravindhan, R (Aravindhan, Rathinam); Monika, V (Monika, Venkatachalam); Balamurugan, K (Balamurugan, Kanagasabai); Subramanian, V (Subramanian, Venkatesan); Rao, JR (Rao, Jonnalagadda Raghava); Thanikaivelan, P (Thanikaivelan, Palanisamy)</p> <p>Source: JOURNAL OF CLEANER PRODUCTION Volume: 140 Pages: 1578-1586 DOI: 10.1016/j.jclepro.2016.09.211 Part: 3 Published: JAN 1 2017</p>
12	<p>Title: Studies on the use of Bi-functional Enzyme for Leather Making</p> <p>Author(s): Jayakumar, GC (Jayakumar, G. C.); Sathish, M (Sathish, M.); Aravindhan, R (Aravindhan, R.); Rao, JR (Rao, J. Raghava)</p> <p>Source: JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION Volume: 111 Issue: 12 Pages: 455-460 Published: DEC 2016</p>
13	<p>Title: Hierarchically structured bentonite loaded Bi₂O₃-ZnO and its multiple applications</p> <p>Author(s): Thirumalai, K (Thirumalai, K.); Kumar, ETD (Kumar, E. T. Deva); Aravindhan, R (Aravindhan, R.); Rao, JR (Rao, J. Raghava); Swaminathan, M (Swaminathan, M.)</p> <p>Source: SURFACES AND INTERFACES Volume: 5 Pages: 30-38 DOI: 10.1016/j.surfin.2016.09.005 Published: DEC 2016</p>
14	<p>Title: Dyeing of Chamois Leather using Water Soluble Sulphur Dyes</p> <p>Author(s): Prakash, AJ (Prakash, A. Jaya); Aravindhan, R (Aravindhan, R.); Fathima, NN (Fathima, N. Nishad); Rao, JR (Rao, J. Raghava)</p> <p>Source: JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION Volume: 111 Issue: 10 Pages: 383-388 Published: OCT 2016</p>

15	<p>Title: Next generation greener leather dyeing process through recombinant green fluorescent protein</p> <p>Author(s): Priya, GK (Priya, G. Krishna); Abu Javid, MM (Abu Javid, M. Mohammed); George, A (George, A.); Aarthiy, M (Aarthiy, M.); Anbarasan, SD (Anbarasan, S. Durai); Kamini, NR (Kamini, N. R.); Gowthaman, MK (Gowthaman, M. K.); Aravindhyan, R (Aravindhyan, R.); Ganesh, S (Ganesh, S.); Chandrasekar, R (Chandrasekar, R.); Ayyadurai, N (Ayyadurai, N.)</p> <p>Source: JOURNAL OF CLEANER PRODUCTION Volume: 126 Pages: 698-706 DOI: 10.1016/j.jclepro.2016.03.105 Published: JUL 10 2016</p>
16	<p>Title: Use of Ternary Solvent (Water - Ethanol - Ethyl Acetate) Medium for Leather Processing: A Possible Paradigm Change</p> <p>Author(s): Gari, BNR (Gari, Bhargavi Narayana Reddy); Fessehay, S (Fessehay, Solomon); Aravindhyan, R (Aravindhyan, Rathinam); Sreeram, KJ (Sreeram, Kalarical Janardhanan); Rao, JR (Rao, Jonnalagadda Raghava); Nair, BU (Nair, Balachandran Unni)</p> <p>Source: JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION Volume: 111 Issue: 7 Pages: 250-258 Published: JUL 2016</p>
17	<p>Title: Value addition of fish waste in the leather industry for dehairing</p> <p>Author(s): Saranya, R (Saranya, R.); Prasanna, R (Prasanna, R.); Jayapriya, J (Jayapriya, J.); Aravindhyan, R (Aravindhyan, R.); Selvi, AT (Selvi, A. Tamil)</p> <p>Source: JOURNAL OF CLEANER PRODUCTION Volume: 118 Pages: 179-186 DOI: 10.1016/j.jclepro.2015.12.103 Published: APR 1 2016</p>
18	<p>Title: DEVELOPMENT OF ALUMINUM-MELAMINE FORMULATION FOR RETANNING APPLICATION</p> <p>Author(s): Sathish, M (Sathish, M.); Azhar, ZMJ (Azhar, Z. Mohammad Jamal); Aravindhyan, R (Aravindhyan, R.); Sreeram, KJ (Sreeram, K. J.); Rao, JR (Rao, J. Raghava)</p> <p>Source: JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION Volume: 111 Issue: 2 Pages: 44-52 Published: FEB 2016</p>
19	<p>Title: Oxidation of 4-chloro-3-methylphenol using zeolite Y-encapsulated iron(III)-, nickel(II)-, and copper(II)-N,N'-disalicylidene-1,2-phenylenediamine complexes</p> <p>Author(s): Hailu, SL (Hailu, Solomon Legese); Nair, BU (Nair, Balachandran Unni); Redi-Abshiro, M (Redi-Abshiro, Mesfin); Diaz, I (Diaz, Isabel); Aravindhyan, R (Aravindhyan, Rathinam); Tessema, M (Tessema, Merid)</p> <p>Source: CHINESE JOURNAL OF CATALYSIS Volume: 37 Issue: 1 Pages: 135-145 DOI: 10.1016/S1872-2067(15)61010-5 Published: JAN 2016</p>