

Publications

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S.No	Publication Details
1	<p>Title: Eco-friendly curing of hides/ skins using phyto based Citrus limon leaves paste</p> <p>Author(s): Selvi, AT (Selvi, A. Tamil); Brindha, V (Brindha, V.); Vedaraman, N (Vedaraman, N.); Kanagaraj, J (Kanagaraj, J.); Sundar, VJ (Sundar, V. John); Khambhaty, Y (Khambhaty, Yasmin); Saravanan, P (Saravanan, P.)</p> <p>Source: JOURNAL OF CLEANER PRODUCTION Volume: 247 Article Number: 119117 DOI: 10.1016/j.jclepro.2019.119117 Published: FEB 20 2020</p>
2	<p>Title: Tannery trimming waste based biodegradable bioplastic: Facile synthesis and characterization of properties</p> <p>Author(s): Muralidharan, V (Muralidharan, Vimudha); Arokianathan, MS (Arokianathan, Michael Selvakumar); Balaraman, M (Balaraman, Madhan); Palanivel, S (Palanivel, Saravanan)</p> <p>Source: POLYMER TESTING Volume: 81 Article Number: 106250 DOI: 10.1016/j.polymertesting.2019.106250 Published: JAN 2020</p>
3	<p>Title: g Biodegradation of phenolic resin used in leather processing by laccase producing Trichoderma aureoviridae</p> <p>Author(s): Lawrance, I (Lawrance, I.); Sivaranjani, V (Sivaranjani, V.); Selvakumar, AM (Selvakumar, A. Michael); Khambhaty, Y (Khambhaty, Yasmin); Saravanan, P (Saravanan, P.)</p> <p>Source: INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY Volume: 16 Issue: 11 Pages: 6857-6862 DOI: 10.1007/s13762-018-2046-7 Published: NOV 2019</p>
4	<p>Title: Batch experiments towards remediation of phenolic syntan using individual as well as co-culture of Bacillus cereus and Pseudomonas aeruginosa</p> <p>Author(s): Venugopal, S (Venugopal, Sivaranjani); Irudayarajan, L (Irudayarajan, Lawrance); Khambhaty, Y (Khambhaty, Yasmin); Palanivel, S (Palanivel, Saravanan)</p> <p>Source: WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY Volume: 35 Issue: 9 Article Number: 137 DOI: 10.1007/s11274-019-2683-0 Published: SEP 2019</p>
5	<p>Title: Recovery and reuse of spent chrome tanning effluent from tannery using electro-oxidation technique</p> <p>Author(s): Arokianathan, MS (Arokianathan, Michael Selvakumar); Muralidharan, V (Muralidharan, Vimudha); Irudayarajan, L (Irudayarajan, Lawrance); Sundaramoorthy, S (Sundaramoorthy, Sundarapandiyam); Baddipudi, R (Baddipudi, Ramanaiah); Palanivel, S (Palanivel, Saravanan)</p>

	Source: DESALINATION AND WATER TREATMENT Volume: 156 Pages: 323-330 DOI: 10.5004/dwt.2019.23825 Published: JUL 2019
6	Title: Removal of toxic pollutants using tannery sludge derived mesoporous activated carbon: Experimental and modelling studies Author(s): Ramya, V (Ramya, V.); Murugan, D (Murugan, D.); Lajapathirai, C (Lajapathirai, C.); Saravanan, P (Saravanan, P.); Sivasamy, A (Sivasamy, A.) Source: JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING Volume: 7 Issue: 1 Article Number: 102798 DOI: 10.1016/j.jece.2018.11.043 Published: FEB 2019
7	Title: A sustainable approach for degradation of leather dyes by a new fungal laccase Author(s): Pandi, A (Pandi, Ajitha); Kuppuswami, GM (Kuppuswami, Gowthaman Marichetti); Ramudu, KN (Ramudu, Kamini Numbi); Palanivel, S (Palanivel, Saravanan) Source: JOURNAL OF CLEANER PRODUCTION Volume: 211 Pages: 590-597 DOI: 10.1016/j.jclepro.2018.11.048 Published: FEB 20 2019
8	Title: Removal of Fat Components in High TDS Leather Wastewater by Saline-Tolerant Lipase-Assisted Nanoporous-Activated Carbon Author(s): Pounsamy, M (Pounsamy, Maharaja); Somasundaram, S (Somasundaram, Swarnalatha); Palanivel, S (Palanivel, Saravanan); Ganesan, S (Ganesan, Sekaran) Source: APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY Volume: 187 Issue: 2 Pages: 474-492 DOI: 10.1007/s12010-018-2833-0 Published: FEB 2019
9	Title: REMOVAL OF ORGANIC MATERIALS FROM TANNERY WASTEWATER CONTAINING AMMONIA FOR REUSE USING ELECTRO-OXIDATION Author(s): Sundarapandiyan, S (Sundarapandiyan, Sundaramoorthy); Raju, GB (Raju, Guntamadugu Bhaskar); Chandrasekaran, B (Chandrasekaran, Bangaru); Saravanan, P (Saravanan, Palanivel) Source: ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 17 Issue: 9 Pages: 2157-2164 Published: SEP 2018
10	Title: Improved microbial degradation of animal hair waste from leather industry using Brevibacterium luteolum (MTCC 5982) Author(s): Thankaswamy, SR (Thankaswamy, Shiny Renitha); Sundaramoorthy, S (Sundaramoorthy, Sundarapandiyan); Palanivel, S (Palanivel, Saravanan); Ramudu, KN (Ramudu, Kamini Numbi) Source: JOURNAL OF CLEANER PRODUCTION Volume: 189 Pages: 701-708 DOI: 10.1016/j.jclepro.2018.04.095 Published: JUL 10 2018
11	Title: Preparation and application of unhairing enzyme using solid wastes from the leather industry-an attempt toward internalization of solid wastes within the leather industry Author(s): Ramesh, RR (Ramesh, Renganath Rao); Muralidharan, V (Muralidharan, Vimudha); Palanivel, S (Palanivel, Saravanan) Source: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH Volume: 25 Issue: 3 Special Issue: SI Pages: 2121-2136 DOI: 10.1007/s11356-017-0550-9 Published: JAN 2018

12	<p>Title: Effect of ultrasonic pretreatment on secondary sludge and anaerobic biomass to enhance biogas production</p> <p>Author(s): Divyalakshmi, P (Divyalakshmi, Palanisamy); Murugan, D (Murugan, Devaraj); Sivarajan, M (Sivarajan, Meenatchisundaram); Sivasamy, A (Sivasamy, Arumugam); Saravanan, P (Saravanan, Palanivel); Rai, CL (Rai, Chockalingam Lajapathi)</p> <p>Source: JOURNAL OF MATERIAL CYCLES AND WASTE MANAGEMENT Volume: 20 Issue: 1 Pages: 481-488 DOI: 10.1007/s10163-017-0603-7 Published: JAN 2018</p>
13	<p>Title: Processing and characterization of waste leather based polycaprolactone biocomposites</p> <p>Author(s): Joseph, S (Joseph, Seena); Ambone, TS (Ambone, Tushar S.); Salvekar, AV (Salvekar, Abhijit V.); Jaisankar, SN (Jaisankar, S. N.); Saravanan, P (Saravanan, P.); Deenadayalan, E (Deenadayalan, E.)</p> <p>Source: POLYMER COMPOSITES Volume: 38 Issue: 12 Pages: 2889-2897 DOI: 10.1002/pc.23891 Published: DEC 2017</p>
14	<p>Title: Sustainable packaging materials from tannery trimming solid waste: A new paradigm in wealth from waste approaches</p> <p>Author(s): Masilamani, D (Masilamani, Dineshkumar); Srinivasan, V (Srinivasan, Vijayaraghavan); Ramachandran, RK (Ramachandran, Ramya K.); Gopinath, A (Gopinath, Arun); Madhan, B (Madhan, Balaraman); Saravanan, P (Saravanan, Palanivel)</p> <p>Source: JOURNAL OF CLEANER PRODUCTION Volume: 164 Pages: 885-891 DOI: 10.1016/j.jclepro.2017.06.200 Published: OCT 15 2017</p>
15	<p>Title: Alkaline Protease Production from <i>Brevibacterium luteolum</i> (MTCC 5982) Under Solid-State Fermentation and Its Application for Sulfide-Free Unhairing of Cowhides</p> <p>Author(s): Rao, RR (Rao, R. Renganath); Vimudha, M (Vimudha, M.); Kamini, NR (Kamini, N. R.); Gowthaman, MK (Gowthaman, M. K.); Chandrasekran, B (Chandrasekran, B.); Saravanan, P (Saravanan, P.)</p> <p>Source: APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY Volume: 182 Issue: 2 Pages: 511-528 DOI: 10.1007/s12010-016-2341-z Published: JUN 2017</p>
16	<p>Title: Optimization and biokinetic studies on pretreatment of sludge for enhancing biogas production</p> <p>Author(s): Divyalakshmi, P (Divyalakshmi, P.); Murugan, D (Murugan, D.); Sivarajan, M (Sivarajan, M.); Sivasamy, A (Sivasamy, A.); Saravanan, P (Saravanan, P.); Rai, CL (Rai, C. L.)</p> <p>Source: INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY Volume: 14 Issue: 4 Pages: 813-822 DOI: 10.1007/s13762-016-1191-0 Published: APR 2017</p>
17	<p>Title: Photocatalytic degradation of highly refractive phenolic polymer Mechanistic insights as revealed by Electron Spin Resonance (ESR) and solid-state C-13 NMR spectroscopy</p> <p>Author(s): Sundarapandiyan, S (Sundarapandiyan, Sundaramoorthy); Renitha, TS (Renitha, Thanksawamy Shiny); Sridevi, J (Sridevi, Janardhanam); Saravanan, P</p>

	<p>(Saravanan, Palanivel); Chandrasekaran, B (Chandrasekaran, Bangaru); Raju, GB (Raju, Guntamadugu Bhaskar)</p> <p>Source: CHEMICAL ENGINEERING JOURNAL Volume: 313 Pages: 1112-1121 DOI: 10.1016/j.cej.2016.11.009 Published: APR 1 2017</p>
18	<p>Title: Enzyme based cleaner process for enhanced recovery of lipids from tannery fleshing waste</p> <p>Author(s): Puhazhselvan, P (Puhazhselvan, Puhazhendi); Aparna, R (Aparna, Ramchary); Ayyadurai, N (Ayyadurai, Niraikulam); Gowthaman, MK (Gowthaman, Marichetti Kuppuswami); Saravanan, P (Saravanan, Palanivel); Kamini, NR (Kamini, Numbi Ramudu)</p> <p>Source: JOURNAL OF CLEANER PRODUCTION Volume: 144 Pages: 187-191 DOI: 10.1016/j.jclepro.2016.12.148 Published: FEB 15 2017</p>
19	<p>Title: Utilization of soak liquor in microbial fuel cell</p> <p>Author(s): Rajeswari, S (Rajeswari, S.); Vidhya, S (Vidhya, S.); Krishnaraj, RN (Krishnaraj, R. Navanietha); Saravanan, P (Saravanan, P.); Sundarapandiyam, S (Sundarapandiyam, S.); Maruthamuthu, S (Maruthamuthu, S.); Ponmariappan, S (Ponmariappan, S.); Vijayan, M (Vijayan, M.)</p> <p>Source: FUEL Volume: 181 Pages: 148-156 DOI: 10.1016/j.fuel.2016.04.121 Published: OCT 1 2016</p>
20	<p>Title: Electric field induced formation of one-dimensional bismuth ferrite (BiFeO₃) nanostructures in electrospinning process</p> <p>Author(s): Sakar, M (Sakar, M.); Balakumar, S (Balakumar, S.); Saravanan, P (Saravanan, P.); Jaisankar, SN (Jaisankar, Sellamuthu N.)</p> <p>Source: MATERIALS & DESIGN Volume: 94 Pages: 487-495 DOI: 10.1016/j.matdes.2016.01.029 Published: MAR 15 2016</p>
21	<p>Title: A two step process for production of omega 3-polyunsaturated fatty acid concentrates from sardine oil using <i>Cryptococcus</i> sp MTCC 5455 lipase</p> <p>Author(s): Aarthy, M (Aarthy, Mayilvahanan); Saravanan, P (Saravanan, Palanivel); Ayyadurai, N (Ayyadurai, Niraikulam); Gowthaman, MK (Gowthaman, Marichetti Kuppuswami); Kamini, NR (Kamini, Numbi Ramudu)</p> <p>Source: JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC Volume: 125 Pages: 25-33 DOI: 10.1016/j.molcatb.2015.12.013 Published: MAR 2016</p>
22	<p>Title: Extraction of collagen from raw trimming wastes of tannery: a waste to wealth approach</p> <p>Author(s): Masilamani, D (Masilamani, Dineshkumar); Madhan, B (Madhan, Balaraman); Shanmugam, G (Shanmugam, Ganesh); Palanivel, S (Palanivel, Saravanan); Narayan, B (Narayan, Bhaskar)</p> <p>Source: JOURNAL OF CLEANER PRODUCTION Volume: 113 Pages: 338-344 DOI: 10.1016/j.jclepro.2015.11.087 Published: FEB 1 2016</p>
23	<p>Title: Improvement in treatment of soak liquor by combining electro-oxidation and biodegradation</p> <p>Author(s): Rajeswari, S (Rajeswari, S.); Vidhya, S (Vidhya, S.); Sundarapandiyam, S (Sundarapandiyam, S.); Saravanan, P (Saravanan, P.); Ponmariappan, S (Ponmariappan, S.); Vidya, K (Vidya, K.)</p>

	Source: RSC ADVANCES Volume: 6 Issue: 53 Pages: 47220-47228 DOI: 10.1039/c5ra28076a Published: 2016
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