Theme:Process Technologies: Opportunities (PTO)					
S.No	**Authors**	**Organisation(s)**	**Country**	**Title (As submitted)**	**Paper No. as Allocated**
1	Sergio Alonso, Roberto Zitzumbo, Martín López	Research and Development Area. Applied Innovation in Competitive Technologies Center, CIATEC. León, Gto	Mexico	A New Drying Application on Garment Leather	74
2	Guo Jun, Chen Hui , Shan Zhihua*	National Engineering Laboratory for Clean Technology Leather Manufacture, Sichuan University, Chengdu 610065	China	Study on Fe(II)-THPS Tannage	50
3	Wang Yulu, Zhu Deyi, Jin Liqiang*	School of Light Chemistry and Environmental Engineering, Shandong Institute of Light Industry, Jinan, 250353, Shandong	China	Study on the tanning properties of triglycidylamine as a novel tanning agent	44
4	Sun Youchang Ma Jianzhong Bao Yan Lei Wenwei	College of Resources and Environment, Shaanxi University of Science and Technology, Xi'an, 710021	China	A Research on the Film-forming Performance of Finishing Agent Modified by Carbon Nanotubes	57
5	Goutam Mukherjee, Sanjoy Chakraborty*, Gopal Krishna Biswas+	*Department of Leather Technology Government College of Engineering and Leather Technology, Salt Lake City, West Bengal, Kolkata – 700 098; +Department of Chemical Engineering, Jadavpur University Jadavpur, West Bengal, Kolkata – 700 032	India	Greener chrome tanning process	78

6	Swarna V Kanth, Nandhini Ashok, A.Yasothai, S.Deepa, P.Ramesh Kannan, R.Venba*, B.Chandrasekaran	Centre for Human and Organizational Resources Development, *Tannery Division, Central Leather Research Institute (Council of Scientific and Industrial Research), Adyar, Chennai 600 020	India	Coloring of Leather using Areca catechu and Piper betle - Natural Alternative Material for Dyeing	115
7	Biswajit Debnath1, Goutam Mukherjee1 , Chanchal Mondal2	1. Govt. College of Engg. & Leather Technology, Kolkata 2. Department of Chemical Engineering, Jadavpur University	India	Energy Efficient Devices for Leather Industry	77
8	Raghava Rao J	Central Leather Research Institute, Chennai, India	India	Leather Processing: New Avenues	161

Theme:Chemicals - Challenges and Opportunities (CCO)

S.No	Authors	Organisation(s)	Country	Title (As submitted)	Paper No. as Allocated
1	K J Sreeram, J Raghava Rao, B Chandrasekaran and B Unni Nair	Central Leather Research Institute, Council of Scientific & Industrial Research, Adyar, Chennai 600 020	India	Reaching New Targets through Chemicals: Challenges and Opportunities for Leather Chemical Sector	99
2	Ding Zhiwen Pang Xiaoyan Ma Zhaoguo Xu Yanlin	China Leather & Footwear Industry Research Institute; Beijing 100016	China	Modification of Collagen Protein by Polyurethane and Its Application in Leather Chemicals	71
3	Zhang Hui, Qiang Xi huai	Resource and Environment Institute, Shaanxi University of Science and Technology, Xi'an, China 710021	China	Study on the oxidized sulfited process of fish oil with photo-catalyzed system	145
4	Stephen D. Bryant, Elton L. Hurlow, and Marilyn S. Whittemore	Buckman International, 1256 North McLean Blvd., Memphis, Tennessee 38108-1241.	U.S.A.	A New Antifungal Agent for the Leather Industry: S-Hexyl-S´-Chloromethyl-cyanodithiocarbimate (CHED)	84

5	Jens Fennen1 , Eric Kientz1, Daniela Iordache2 and Milind Parkhi3	1 TFL Leather Technology Ltd, Klybeckstr. 15, CH-4057 Basel, Switzerland 2 TFL Italia SpA, Via Lungochiampo snc, VI-36054 Montebello, ITALY 3 TFL Quinn India pvt. Ltd., TFL Estate, Bachupally Village, Near Miyapur, Hyderabad, India	SWITZERLAND/ Italy/ India	Leather topcoats with anti-soiling and non-squeak properties	86
6	SivarajSudhahar a, S.Prabhakar b and SanjeevGupta c	a :Department of Leather Technology, Anna University, Chennai. b :National Centre for Nano Sciences and Nano Technology,University of Madras,Chennai. c :Central Leather Research Institute(CLRI), Chennai.	India	Preparation and Applications of Nanoparticles in Leather Coating	118
7	S. N. Jaisankar*, Sanjeev Gupta#, Y. Lakshminarayana*, J. Kanakaraj#, A. B. Mandal*	*Polymer Lab, #Tannery, Central Leather Research Institute, Adyar, Chennai 600 020	India	A NOVEL ANIONIC CONDENSATE OLIGOMER AS RE-TANNING AGENT FOR LEATHER PROCESSING	83

Theme:Environmental Challenges: New Developments (ECND)

S.No	Authors	Organisation(s)	Country	Title (As submitted)	Paper No. as Allocated
1	Kaiqui Shi, Lan Jiang, Ling Y	Key lab of biomass green transformation, Institute of Applied Chemistry, Ningbo University of Technology, Ningbo, 315016, China	China	Preparation of waste leather powder with higher thermal stability	158

2	He-wei Ma	State Center of Quality Supervision and Test for Leather, Building 12#, Haining China-Leather Market, Haizhou West Road, Haining, Zhejiang Province, PC: 314400	China	Determination of alkylphenols and alkylphenol ethoxylates in leather by cleavage treatment combined with gas chromatography – mass spectrometry	14
3	Dr. S Rajamani	Chairman, International Union of Environment (IUE) Commission of IULTCS, Chennai, India	India	RECENT DEVELOPMENTS IN CLEANER PRODUCTION AND ENVIRONMENT PROTECTION IN WORLD LEATHER SECTOR	100
4	G.Sekaran , R.Boopathi, A.Gnanamani and A. B. Mandal	Environmental Technology Division, Central Leather Research Institute, (Council of Scientific and Industrial Research), Adyar, Chennai – 600 020	India	Salt Recovery from Inorganic and Organic Mixture (SRIOM) - Reverse Osmosis reject stream Management in Leather sector	136
5	Jie Liu, Yikun Wang, Keyong Tang	College of Materials Science and Engineering, Zhengzhou University, Henan 450052	China	Preparation and Characterization of Hybrid Super Absorbent Materials Based on Collagen Hydrolysate from Tannery Wastes	59
6	S. V. Srinivasan, R.Suthanthararajan, K. Sribalakameshwari and E. Ravindranath	Department of Environmental Technology, Central Leather Research Institute, Chennai - 600 020	India	Life Cycle Assessment in tannery Wastewater Treatment	113
7	Francisco Castro-Vargas, y Yolanda Nieto-Urroz.	Departamento de curtiduría. Dirección de Transferencia tecnológica, CIATEC, León Gto., México. Omega 201 Fracc. Delta C.P. 37545	Mexico	Use of solid waste generated by the tanning industry as the main base to make fertilizer.	67

8	Anulipi Aich1, B. Chattopadhyay1, S. Datta2 and S. K. Mukhopadhyay3	1Govt. College of Engineering and Leather Technology, LB-III, Salt Lake, Kolkata-700 098, West Bengal. 2Department of Chemical Engineering, Jadavpur University, Kolkata-700 032, West Bengal. 3Department of Zoology, Hooghly Mohsin College, Chinsurah-712 101, West Bengal.	India	Toxicity Study of Tannery Effluents Using a Fish Model (Poecilia reticulata)	3

Theme:Collagen Stabilization: New Leads (CSNL)

S.No	Authors	Organisation(s)	Country	Title (As submitted)	Paper No. as Allocated
1	Dipankar Chaudhuri1*, Pinaki Bhattacharya2 and Ratna Chakraborty1	1. Regional Centre for Extension and Development (Central Leather Research Institute), 3/1C, Matheswartala Road, Kolkata 700 046 2. Department of Chemical Engineering, Jadavpur University, Jadavpur, Kolkata 700 032	India	Stabilization of Chromium (III) in Leather by Different Vegetable Tanning Extracts and Superior Performance of Myrobalan	91
2	Shangzhi Pu1,2, Wenhua Zhang2*, Qiang He2, Xuepin Liao2, Bi Shi2*	1 College of Chemistry, Sichuan University, Chengdu, 610064; 2 National Engineering Laboratory for Clean Technology of Leather Manufacture, Sichuan University, Chengdu, 610065	China	Molecular Level Understanding the Mechanism of Vegetable-Aldehyde Combination	75

3	Gladstone Christopher Jayakumar, Swarna Vinodh Kanth, Jonnalagadda Raghava Rao#, Bangaru Chandrasekaran	Centre for Human and Organizational Resources Development #Chemical Laboratory, Central Leather Research Institute, Council of Scientific and Industrial Research, Adyar, Chennai-600 020	India	INFLUENCE OF SCLERALDEHYDE IN STABILIZATION OF COLLAGEN	101
4	V Punitha1, S Sundar Raman, V Subramanian, J Raghava Rao, B U Nair	Chemical Laboratory, Central Leather Research Institute, Council of Scientific Industrial Research, Adyar, Chennai 600 020	India	An Approach to Stabilize Collagen through L→D Configurational Changes	96
5	Lihong Fu*, Yinglin Zhang, Wei Kuang, Huilin Tian, Qing Wang	Shandong Institute of Light Industry, Jinan 250353	China	Exploring Stability of Vegetable Tanned Leathers Resistance to Acids, Bases and Salts	61
6	N.SOMANTHAN*, M.D.NARESH and V. ARUMUGAM	*Polymer Lab, Bio-Physics Labaratory, Central Leather Research Institute, (Council of Scientific and Industrial Research), Adyar, Chennai – 600 020	India	VISCO-ELASTIC MODEL FOR THE MECHANICAL BEHAVIOUR OF SKINS/LEATHER	139
7	Jinsong Chen, Baoqin Zhang, Daguang He, Keyi Ding*	College of Chemistry & Environmental Protection Engineering, Southwest University for Nationalities, Chengdu 610041, Sichuan	China	Color-forming properties of iridoids in Paederia scandens with protein materials	66

Theme:Leather Products: New Avenues (LPNA)

S.No	Authors	Organisation(s)	Country	Title (As submitted)	Paper No. as Allocated
1	P S Sureshkumar*, P Thanikaivelan, K Phebe Aaron, K Krishnaraj, R Jagadeeswaran and B Chandrasekaran	Centre for Leather Apparel & Accessories Development, Central Leather Research Institute, Adyar, Chennai 600020, India	India	Combining Leathers with Natural Fiber Based Fabrics: Potential of Pineapple Leaf Fiber and Non-mulberry Silk Based Fabrics	92

2	K Krishnaraj, P Thanikaivelan, K Phebe, PS Sureshkumar, G Sathiamoorthy and B Chandrasekaran*	Centre for Leather Apparel & Accessories Development Central Leather Research Institute (Council of Scientific and Industrial Research), Adyar, Chennai 600 020	India	Does Sewing Affect the Drape of Apparel Leathers?	104
3	N Nishad Fathima, K J Sreeram, J Raghava Rao, B U Nair	Chemical Laboratory, Central Leather Research Institute, Council of Scientific and Industrial Research, Adyar, Chennai-600020	India	SMART LEATHER FOR SMART FUNCTIONAL APPLICATIONS: NEW AGE MATERIAL	94
4	Yishan Liu,1 Xin Huang,1 Peipei Guo,2 Xuepin Liao ,2* and Bi Shi 2*	1Department of Biomass Chemistry and Engineering, Sichuan University, Chengdu 610065; 2National Engineering Laboratory for Clean Technology of Leather Manufacture, Sichuan University, Chengdu 610065	China	Collagen fiber: potential application in the radar waves absorbing material	30
5	Cuiqiang lu; fangling wei	Zhejiang Textile&Fashion College , 315211 ,Ningbo	China	From the shoes "concept design" about	5
6	BHABENDRANATH DAS, GAUTHAM GOPALAKRISHNA, MOHAMED SADIQ, ASIT BARAN MANDAL	Shoe Design & Development Centre, Central Leather Research Institute (Council of Scientific and Industrial Research), Adyar, Chennai 600 020	India	OPTIMIZATION of SAFETY SHOE TOE-CAP USING FINITE ELEMENT TECHNIQUE	112
7	GAUTHAM GOPALAKRISHNA, MOHAMED SADIQ, BHABENDRANATH DAS, GNANASUNDARAM SARASWATHY, ASIT BARAN MANDAL	Shoe Design & Development Centre, Central Leather Research Institute (Council of Scientific and Industrial Research), Adyar, Chennai 600 020	India	BIOMECHANICAL FOOTWEAR DESIGN FOR PRESSURE OFFLOADING BASED ON RISK CATEGORIZATION IN A DIABETIC FOOT	111

Theme:Human Resources and Management: Opportunities (HRMO)

S.No	Authors	Organisation(s)	Country	Title (As submitted)	Paper No. as Allocated
1	MOHAMED SADIQ, GAUTHAM GOPALAKRISHNA, BHABENDRANATH DAS, D CHANDRAMOULI, ASIT BARAN MANDAL	Shoe Design & Development Centre, Central Leather Research Institute (Council of Scientific and Industrial Research), Adyar, Chennai 600 020	India	Custom Made Shoes – the new age retailing "Applying technology to benefit Humanity"	108
2	Luis Sergio Nunes Costa	Rua Pedro Moro Redeschi, 133/A – São Pedro – São José dos Pinhas – Paraná, Code: 83005-060	Brazil	MULTI-FLOOR MANAGEMENT IN LEATHER INDUSTRY. A NEW FRAME AND HIS CHALLENGES	80
3	Benjamin Aguilar- Ruiz	Departamento de curtiduría. Dirección de Transferencia Tecnológica, CIATEC, León, Gto., México. Omega 201 Fracc. Delta C.P. 37545	Mexico	Improving productivity in tanning industries from Guadalajara Mexico	68
4	Masami Sugita1 and Toshinori Inatsugi2	1NPO Japanese Leather Technology Association (JLTA), 129, Toyosawa-cho, Himeji, Hyogo 670-0964. 2Technology Research Institute of Osaka Prefecture, Leather Testing Center, 1-18-3, Kishibenaka, Suita-shi, Osaka. 564-0002	Japan	Current Situation and Certification System of Japan Eco Leather Standard	85
5	D Chandramouli	Central Leather Research Institute, India	India	Human resource management for leather sector: leads from India	162