



XXXIV IULTCS  
2017 - INDIA

## PROGRAMME OF XXXIV IULTCS CONGRESS

5-8 February 2017,  
Chennai, India

# “Science and Technology for Sustainability of Leather”



INTERNATIONAL UNION OF LEATHER  
TECHNOLOGISTS AND CHEMISTS SOCIETIES

### O R G A N I Z E R S



CSIR-Central Leather  
Research Institute  
(CSIR-CLRI)



Indian Leather  
Technologists'  
Association (ILTA)

### I N D I A P A R T N E R S



Council for  
Leather Exports  
(CLE)



Indian Finished Leather  
Manufacturers & Exporters  
Association (IFLMEA)





# XXXIV IULTCS CONGRESS

6-8 FEB 2017, CHENNAI INDIA

## PROGRAM SCHEDULE

DAY 1 : 6 <sup>th</sup> February 2017		
09.00 - 09.45 hrs	Inaugural Session	
<b>Timings</b>	<b>Heidemann Lecture</b> Chairman: T Ramasami	
09.45 - 10.30 hrs	<b>Title</b>	<b>Speaker</b>
	Probing collagen structure and function	John A M Ramshaw
10.30 - 11.00 hrs	Tea Break	
11.00 - 12.45 hrs	<b>Fundamentals in leather science</b> Chairman: T Ramasami / N K Chandra Babu	
	<b>Title</b>	<b>Speaker</b>
<b>Keynote</b>	Fundamentals of leather science	Anthony Covington
<b>FLS 1</b>	Site-specific interaction of polyphenols on collagen using model collagen peptide	Madhan B
<b>FLS 2</b>	Measuring the heritability of traits in sheep and deerskin	Geoffrey Holmes
<b>FLS 3</b>	Chrome-tanned leather shrinkage probed with modulated temperature differential scanning calorimetry	Richard Leslie Edmonds
<b>FLS 4</b>	Influence of naphthalenesulfonic acid derivatives on the properties of the hide. Part II	Olga Ballús
<b>FLS 5</b>	Surface area gain of leathers dried under different conditions	Hüseyin Karavana
12.45 - 13.45 hrs	Lunch Break	
13.45 - 15.30 hrs	<b>Advances in chemicals for smart and intelligent leathers</b> Chairman: Mukhtarul Amin / Campbell Page	
	<b>Title</b>	<b>Speaker</b>
Keynote	Tanning strategies for sustainable leather production	Ing Heinz-Peter Germann
<b>ACSIL 1</b>	Waste to wealth approach adhesive from the unused goat head skin	Md Abul Hashem



<b>ACSIL 2</b>	Fabrication of antibacterial casein-based ZnO nanocomposite for leather finishes through in-situ route	Wang Yanan
<b>ACSIL 3</b>	Ionic liquids new age designer chemicals for leather processing	Nishad Fathima N
<b>ACSIL 4</b>	A new age chromium-melamine syntan towards quality upgradation of lower-end raw materials	Sathish Murali
<b>ACSIL 5</b>	Novel surfactants in leather processing	Vijayabaskar V
<b>ACSIL 6</b>	Tanning with a Gallic extract in combination with a cationic ester for the production of high performance leathers.	Eric Poles
15.30 - 16.00 hrs	Tea Break and Poster Session	
16.00 - 17.45 hrs	<b>Innovation and value addition for leather</b> <b>Chairman: N Shafeeq Ahmed / Sanjoy Chakraborty</b>	
	<b>Title</b>	<b>Speaker</b>
<b>Keynote</b>	Study of the variation of chromium VI content inside the leather	Jean-Claude Cannot
<b>IVL 1</b>	Intelligent real time leather defect detection system using image processing technique	Malathy J
<b>IVL 2</b>	Analysis of characteristic odor compounds in leather by GC-MS and GC-Olfactometry	Hirohiko Washiya
<b>IVL 3</b>	Method for determining the optimized exhaustion of fatliquors to minimize the ETP-inflow	Dirick von Behr
<b>IVL 4</b>	Artificially induced collagen fibril orientation affects tear propagation in leather	Susyn Kelly
<b>IVL 5</b>	Chrome-free tannage suede garment leathers from rural vegetable sheep crust leathers	Ali Elnaeim Musa
<b>IVL 6</b>	Effect of binder selection on topcoat property retention after accelerated weathering	Joseph Hoefler
18.00 hrs	<b>Visit to Kalakshetra</b>	



<b>DAY 2 - 7<sup>th</sup> February 2017</b>		
09.00 - 10.30 hrs	<b>Strategies for sustainability</b> <b>Chairman: Luis Zugno / R Ramesh Kumar</b>	
	<b>Title</b>	<b>Speaker</b>
<b>Keynote</b>	Advances in bio-based polyurethanes for leather finishing	Michael Costello
<b>SFS 1</b>	Enzymatic unhairing permeability assay of bovine skin epidermis with enzyme extracts	Betina Galarza
<b>SFS 2</b>	Preparation and characteristics of surface modified PAN fiber by collagen	Ding Zhiwen
<b>SFS 3</b>	Study on the recycling technology of unhairing-liming and tanning wastewater	Liqiang Jin
<b>SFS 4</b>	Different pre-treatments of chrome tanned leather waste and their use in the biogas production	Carolina Scaraffuni Gomes
10.30 - 11.00 hrs	Tea Break and Poster Session	
11.00 - 12.30 hrs	<b>Strategies for sustainability</b> <b>Chairman: Israr Ahmed / N R Jaganathan</b>	
<b>SFS 5</b>	Sustainable leather management: A mass balance bench mark of different chromium tanning technologies	Dietrich Tegtmeier
<b>SFS 6</b>	Formaldehyde and acetaldehyde in leather: similarities and discrepancies	Jochen Ammenn
<b>SFS 7</b>	Redefining chrome tanning: A waterless approach	Thanikaivelan P
<b>SFS 8</b>	Concept of sustainability - looking forward	Anne Lama
<b>SFS 9</b>	The elimination of effluent from liming acid/salt pickling and chromium tanning verified by five years high-volume wet blue leather manufacture.	Richard Daniels
<b>SFS 10</b>	Probiotic solutions for sustainable leather	Juan Carlos Castell Escuer
12.30 - 13.30 hrs	Lunch Break	



13.30 - 15.30 hrs	<b>Emission control technologies</b> <b>Chairman: P R Aqeel Ahmed / Arnab Jha</b>	
	<b>Title</b>	<b>Speaker</b>
<b>Keynote</b>	Controlling emissions in leather manufacture	Jurgen Christner
<b>ECT 1</b>	Clean salt recovery and water recycling using Nanofiltration and Reverse Osmosis	Wolfram Scholz
<b>ECT 2</b>	Biodecolorization and biot detoxification of leather dyes from aqueous solution and dye-containing effluents by native white-rot fungi strains	Santiago Ortiz Monsalve
<b>ECT 3</b>	Novel formaldehyde scavenger containing active methylene for efficient removal of formaldehyde in leather	Zhang Ting
<b>ECT 4</b>	Analysis of flow and energy aspects of Zero Liquid Discharge (ZLD) technology in treatment of tannery effluents in Tamil Nadu India	Jakov Buljan
<b>ECT 5</b>	Studies on simultaneous removal of nitrogen and organic carbon from tannery wastewater using airlift sequencing batch reactor	Aysanew Gorems Melesse
<b>ECT 6</b>	Microbial fuel cell a novel technology for effluent treatment and electrical energy generation	Divyalakshmi P
<b>ECT 7</b>	Technological developments for total dissolved solids (TDS) management and environmental sustainability in Asian leather sector	Rajamani S
15.30 - 16.30 hrs	Tea Break and Poster Session	
16.30 - 17.00 hrs	<b>Peep through into XXXV, XXXVI IULTCS &amp; AICLST Congresses</b>	
18.00 - 20.00 hrs	<b>Popular Lecture</b> <b>Chairman: M Rafeeque Ahmed</b>	
	<b>Leather and Isthmus: In Tribute to Nagappan</b>	T Ramasami U K Sivaraman
20.00 - 21.30 hrs	Dinner	



DAY 3 - 8 <sup>th</sup> February 2017		
08.30 - 09.45 hrs	<b>Design innovation for lifestyle leather products</b> <b>Chairman: D Tegtmeier / B N Das</b>	
	<b>Title</b>	<b>Speaker</b>
<b>DIP 1</b>	New dimensions in children shoes	Md Sadiq
<b>DIP 2</b>	Dynamic plantar pressure analysis of persons with diabetic, an approach to improve the design of therapeutic footwear	Sathish Babu G
<b>DIP 3</b>	Reduction of skin disorders by HCHO in leather products	Daisuke Murai
<b>DIP 4</b>	Comparison of visual assorting process and spectral photometer usage in leather apparel production	Mehmet Mete Mutlu
09.45 - 11.00 hrs	<b>Enriching human capacity / Global research alliances and partnerships</b> <b>Chairman: Habib Hussain / Thomas Yu</b>	
	<b>Title</b>	<b>Speaker</b>
<b>Keynote</b>	Coopetition in leather engineering education - A Strategy for a Win situation for concerned stakeholders	Sayed Sadulla
<b>EHC 1</b>	eLearning and blended training in the leather professional education	Ivan Kral
<b>EHC 2</b>	Role of CSIR-CLRI in Skill India initiative enriching primary level human resource through artisanal skill development	Kanimozhi B
<b>GRAP 1</b>	Indo-Ethiopian alliance for transformation of Ethiopian leather sector	Wondu Legesse
<b>GRAP 2</b>	Development of an international proficiency testing by inter-laboratory comparison applied to physical and chemical test methods for mineral tanned leather 2016	Carlos Amador Meza Moya
11.00 - 11.30 hrs	Tea Break	
11.30 - 12.30 hrs	<b>Council Meeting</b>	
12.30 - 13.00 hrs	<b>Closing Ceremony</b>	
13.00 - 14.00 hrs	Lunch	



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