

# The Leather Post

*"News that you can use"*

CSIR-Central Leather Research Institute

## LEATHER WEEK 2017



**XXXIV  
IULTCS  
2017 - INDIA**  
5-8 February 2017,  
Hotel ITC Grand Chola

[www.iultcs2017.org](http://www.iultcs2017.org)

**2<sup>nd</sup> DESIGNERS FAIR** Feb, 1-3  
HOTEL ITC GRAND CHOLA | CHENNAI **2017**

[designersfairindia.com](http://designersfairindia.com)



**India  
International  
Leather  
Fair**  
February  
**01 02 03 2017**  
**CHENNAI**



[indiatradefair.com/iilf](http://indiatradefair.com/iilf)



**Dr B Chandrasekaran,**  
Director, CSIR-CLRI

Dear Doyens and Members of the Indian Leather Fraternity; Mentors and Teachers, Colleagues and Friends!

It gives us great pleasure in sending you January 2017 edition of The LEATHER POST.

We welcome Year 2017 with the most anticipated and most important event in this region: The INDIA LEATHER WEEK 2017.

For India International Leather Fair 2017, ITPO has raised the bar for itself. This year, IILF will have over 450 Exhibitors 300 plus from India and 150 plus from overseas.

The 2nd edition of the Designers Fair 2017 organised by CLE has more than 44 International Designers showcasing their new design collections which is 30% more than the maiden edition last year.

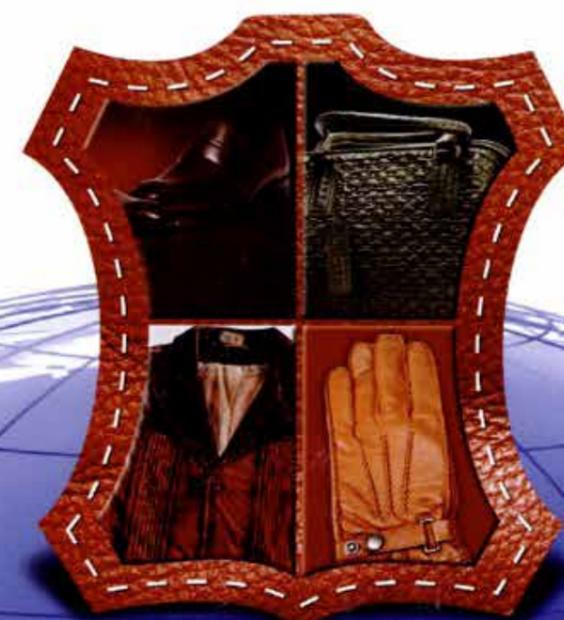
The most important event of all is the XXXIV IULTCS Congress 2017 which is back to India after seventeen long years. Nearly 600 delegates (both national and international) will participate in this event, which is jointly organised by CSIR-CLRI & ILTA and partnered by CLE & IFLMEA.

I exhort the entire fraternity to make the best of India Leather Week 2017 and together we will strive to make LEATHER WEEK 2017 both fruitful and meaningful.

24th January 2017



# INDIAN LEATHER INDUSTRY - STRIDING WITH CONFIDENCE



## COUNCIL FOR LEATHER EXPORTS

(An Export Promotion Organisation sponsored by Ministry of Commerce & Industry, Govt. of India)

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No	Description	
1.	Work towards Organizational Growth	4
2.	Titanium Tannage for making chrome-free leather	6
3.	CSIR-CLRI at STAHL's Sustainability Seminars	8
4.	WHAT TO EXPECT FROM INDIA LEATHER WEEK 2017?	10
5.	Curtain Raiser on "XXXIV IULTCS Congress"	14
6.	Enabling LEATHER: a joint endeavour of ITPO   CLE   CSIR-CLRI	15
7.	CURTAIN RAISER: MODEUROP Autumn Winter 18/19 season	17
8.	CSIR-CLRI to prepare a Blue Print for Secure Environment Protection measures for Jajmau Tannery Cluster	18
9.	GAIT Analysis for Development of Comfort Footwear	19
10.	Converting Leather Wastes, Trimmings and Bone Wastes into ENERGY	21
11.	FELICITATIONS to the Newly Elected Regional Chairmen, Council for Leather Exports	22



# “TITANIUM TANNAGE FOR MAKING CHROME - FREE LEATHER”



## CHROME FREE TANNING WITH DEPSON T

In view of the potential bio-toxicity of chromium, the environmental regulatory norms stipulate that the levels of chromium in the waste water to be controlled. For this reason, alternative tanning methods are of prime interest to the researchers worldwide.

As per the series of experiments held by CSIR-Central Leather Research Institute, Chennai, Depson T has come out as a promising substitute to chrome tanning. Marketed by M/s C & E Limited, Depson T is white crystalline powder based on ammonium salts of DOUBLE SULFATE OF TITANYL MONOHYDRATE. With active content 85 ± 1% and pH of 10% of its aqueous solution being 1.4± 0.1 at 20°C, Depson T is readily soluble in acidified water.

CSIR-CLRI has successfully conducted trials with this titanium tanning agent on various species like cow, buffalo, sheep and goat. All the relevant parameters have been assessed in each case, including shrinkage temperature, tensile strength, tear resistance, compactness, grain strength, water drop absorption, titanium content, etc. and all these came out quite satisfactorily. Application processes have been designed which meet all the physio- chemical requirements along with excellent organoleptic properties. On the basis of overall observations & test results, following points are being jotted down:-

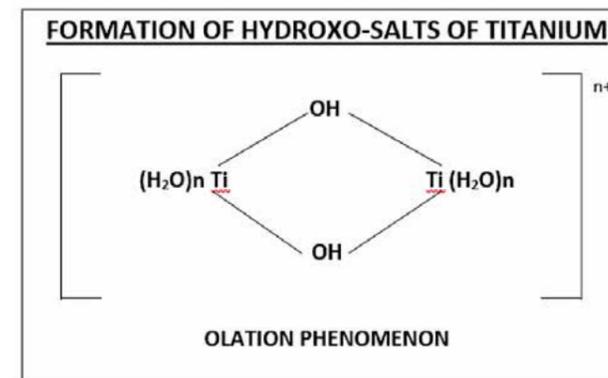
- The Shrinkage temperature of cow and buffalo crust leather was 80 degree centigrade while goat crust had 85 and sheep crust had 75.
- Tear strength of cow, buffalo, goat and sheep crust leather were in normal acceptable range of 120 to 140 N/mm for cow and buffalo, 48 to 55 for goat and 17 to 22 for sheep.
- Buff upholstery crust had very pleasant colour and excellent organoleptic properties.
- The goat crust leather showed fine grain with good fullness and compact structure, very much suitable for suede upper.
- Use of Depson T during Re-Chroming process enhanced fullness of leather with fine grain and softness along with intense shade & uptake of dye.
- The Depson T has 13.2% titanium content and 22% as TiO<sub>2</sub>. The buffalo, cow, goat & sheep crust displayed following results with respect to titanium content:

Buffalo	---	2.5% titanium (4.2% TiO <sub>2</sub> )
Cow	---	4.1% titanium (6.8% TiO <sub>2</sub> )
Goat	---	3.3% titanium (5.5% TiO <sub>2</sub> )
Sheep	---	3.4% titanium (5.7% TiO <sub>2</sub> )

In the light of above, Indian tanners can very well take up the challenge of manufacturing chrome free leathers in the bulk. As the salts of titanium are completely harmless and pose no problems of skin or mucous membrane sensitization, the global market can enjoy improved quality of the end leather products in terms of allergenicity. Also, the chrome free waste produced can be more easily managed in the disposal phase.

TITANIUM  
TANNAGE  
TANNING SALT  
DOUBLE SULFATE  
OF AMMONIUM  
AND TITANYL  
MONOHYDRATE  
 $TiO(NH_4)_2(SO_4)_2 \cdot H_2O$

Titanium tannage is double ammonium and Titanyl Sulphate Monohydrate. The cross linking of Tanning to the Carboxylic groups of collagen proteins depends both on the extent of Titanium olation in the tanning floats and on pre-treatment provided to the hides/skins. Basification is intended to get the Titanium salt fixed to the hides/skins in the form of TiO<sub>2</sub>.



The process is traditional form of Mineral Tannage and therefore Tannage with Titanium salt is started at precise pickle conditions of pH 1.0-1.2 with 3-4 hours rotation which can be easily detected by visual inspection of Tanning bath and penetration of Tanning agent in the cross section of leather is checked with Hydrogen Peroxide which gives Orange colour where Titanium is present. When tanning is over, then basification has to be started with slow dissolving basifiers at least for three hours for pH equalization. It is advisable to use Magnesium Oxide and Phosphate based basifying agent which does not show defect of over tanning. When Polyphosphate get inside the cross section of leather, it gives more homogeneous distribution and it turns into enhanced leather features: fullness and softness.

Tannage made by Titanium salt to make Chrome- free leathers which is non-hazardous and non-toxic. The ecological balance is the main object in leather making process which is described in phases from pickle to tannage, to neutralization, dissecting the entire process from the point of view of its impact on environment.

There are three environmental impacts from Tanning systems:

1. Waste water from processing
2. Solid waste from manufacturing
3. Finished leather which arrives to the customer and its disposal

### WASTE WATER FROM PROCESSING:

Waste water from processing is mainly divided into two main stages; viz; Beamhouse phase and Tannage and Re-tannage phase. Generally, Beamhouse and Tannage/ Retannage water ratio is 80% and 20% respectively. The study shows the high level of cleanliness of the waste water in Titanium Tannage.

### WASTE FROM MANUFACTURING:

There are two types of solid wastes in manufacturing; viz; Fleshings and Shavings. Research have been made by the Italian Health Department for the use of shaving from Titanium Tannage as meat floor. The study also confirms the total harmlessness of the meat floor produced from Titanium Tannage shaving dust.

### FINISHED LEATHER:

Finished leather obtained by Titanium wet white Retannage shows characteristics of mechanical resistance to tearing and bursting which is better than the conventional chrome tanning and therefore, capable of producing non-toxic finished goods. Having non-toxic finished goods made from leather allows:

- To avoid uncontrolled pollution which takes place from usual disposal
- Users to wear total harmless products

Titanium tanned leather, retanned with vegetable type of extracts and dyed with natural colours gives leather free from harmful-products. And also Titanium tanned leather gives bright colour after dyeing, so dye can be saved to a great extent.

# CSIR-CLRI at STAHL's Sustainability Seminars

## Raw Materials, Responsible Operations, Trusted Partnerships, Innovation, People and Society



Stahl resumed its sustainability seminars with a series of four presentations held in the key leather clusters across India from 29th November 2016 to 2nd December 2016. The seminars took the form of presentations from Stahl, CSIR-CLRI (Central Leather Research Institute), Unido and Solidaridad.

### Introduction

The Stahl presentation introduced the audience to the successful approach by which the company has integrated Sustainability into its overall corporate strategy. With transparency as the goal, Stahl's strategy is to collaborate intensively throughout the whole supply chain in order to promote responsible environmental and social practices throughout the industry. The implementation of this strategy takes the form of the five focus areas detailed in the Stahl 2015 Sustainability Report: **Raw Materials, Responsible Operations, Trusted Partnerships, Innovation, People and Society.**

Stahl's opening remarks also touched on the area of chemical compliance, emphasizing the historical reasons behind the recent launches of MRSLs and the change in responsibility that has occurred as a result. The differences between these industry initiatives, like the ZDHC, MRSL and other compliance regulations like TSCA and REACH were also discussed.

### Technology for reducing the environmental footprint of the leather process

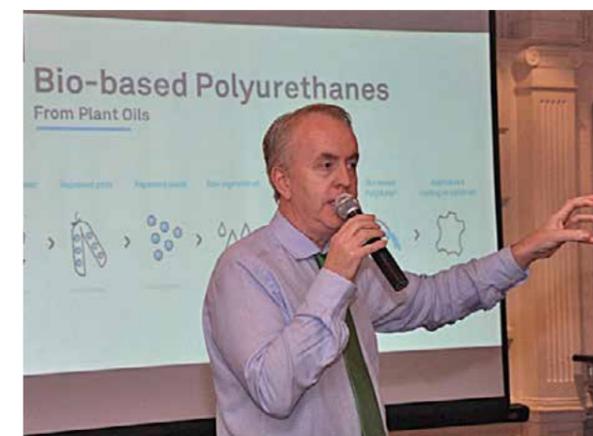


In picture (L to R): Mr N Shafeeq Ahmed, Chairman, IFLMEA; Dr Harald Bauer; Mr Michael Costello; Dr B Chandrasekaran; Mr Tuncay Deriner; Shri M Vishwanathan and Dr Carlos

The main body of the presentation showcased the innovative chemical technologies that Stahl has introduced to tanners in order to reduce the impact of leather manufacturing on the environment. Much of this technology development is focused on the wet end process, where Stahl believes the big gains can be made. Indeed the water effluent improvements offered by **Provia Pribiotics for Leather** was the first concept introduced by Dr. Bauer. Manufactured via a fermentation process, these natural products can be used in replacement of or in combination with surfactants, enzymes and bacteriacides in the beamhouse process. It was pointed out that these Pribiotics are already fully available and commercialized.

Secondly, the **EasyWhite Tan™** and **EasyBlue Tan™** systems were introduced, emphasizing the significant savings in water, salt and energy/CO<sub>2</sub> that can be gained by eliminating the pickling and basification steps in the tanning process when these new systems are used. The flexibility in decision-making, thanks to the EasyWhite/EasyBlue concept, was also emphasized, ie: producing a base wet-white that can either be reprocessed into wet blue or continued into a wet-white /chrome-free leather can allow the tanners to keep lower levels of stock and make better decisions.

Dr. Bauer continued the story of reducing environmental impact by introducing the latest products in Stahl's **Catalix** and **Dermalix** range of retanning polymers and fatliquors. As always, even greater improvements in BOD and COD levels can be achieved with the newest products in the range.



Advances in Stahl's leather finishing product range were presented by Mr Costello. For example, the recently introduced range of MRSL-compliant products known as **Stahl NEO**. He pointed out that not only are Stahl NEO products compliant, but they are completely free of the substances listed in the ZDHC MRSL (v 1.1), and they are free of NMP, NEP, Toluene, Xylene and many other chemicals which may be restricted in the future.

Mr. Costello rounded of the presentation with an introduction to **bio-based polyurethane technology**, in which part of the polymer background which is currently sourced from petroleum-based feedstock chemicals can now be substituted by plant-based derivatives, which is a renewable resource. Collaboration with the biotech industry has been the secret to making this breakthrough possible for Stahl, and the work has only just begun.



The presentation closed with a final summary of the key technologies and a reminder of how each of them can reduce the environmental impact at each step in the leather manufacturing process.

## LEATHER WEEK 2017

### Welcome to India Leather Week 2017: the annual fete in Chennai!

A meeting place of who's who in the Indian Leather Sector from the different regions of our country: North, Central, East, West and South. And not to forget our International Guests.

In association with the Organizers: ITPO and CLE, CSIR-CLRI presents an 'outline' of the LEATHER WEEK 2017 programs to enable you to plan your calendar.

### WHAT TO EXPECT FROM INDIA LEATHER WEEK 2017

### INDIA INTERNATIONAL LEATHER FAIR 2017:

organized by India Trade Promotion Organization

IILF 2017 will be held at the Chennai Trade Centre, Nandambakkam, Chennai during 31st January 2017 to 3rd February 2017.

**Fair Timings:** 10.00 am to 6.00 pm

**Sale of Tickets:** Through Registration Counters at Halls 3A and 1D

**Country and Group Pavilions:** Brazil, China, France, Germany, Italy and group pavilions by: Wenzhou Donnor Exhibition Group, G&F (Fujian Foreign Economic Service Trade Corp); CICB, Brazil; ASSOMAC/ ITC, Italy; Federal Ministry for Economic Affairs & Energy, Germany.

New Features at IILF 2017: Online booking for Exhibitors with payment gate; free distribution of Guide to Trade Visitors; Ticket Sale at Entrance Gate of TNTPO and at registration counters at Hall 3A and Convention Centre; Radio Taxi bay at TNTPO at the entrance gate for exhibitors going back to the city/ hotels in the evening.

**Theme Pavilion:** ITPO | CLE | CSIR-CLRI in association with the Indian Leather Industry will present 'Enabling LEATHER' a Trend & Technology Pavilion at the foyer of the Convention Centre, CTC

**Happenings:** CSIR-CLRI in association with ITPO & CLE will bring out a 'daily newsletter' during 31st January 2017 to 3rd February 2017 (on all four days) covering the highlights of IILF 2017 and related events.

**Exhibitors:** over 450 exhibitors with more than 300 exhibitors from India and more than 150 exhibitors from overseas.

**Area booked:** over 10, 000 sq. mts

**Display Profile:** At the Convention Centre (Finished Leather & Synthetic Materials; Chemicals & Leather Products); Hall 1A,B,C (Machinery, Equipment & Technology); Halls 2&3 (Chemicals, Footwear Components); Hall 3A (Finished Leather, Synthetic Material, Chemicals and Components); Hall 1D (Finished Leather, Synthetic Material, Chemicals and Components)

**Visitor Profile:** Overseas Business Delegations and Visitors; Manufacturers & Importers; Buying Houses; Suppliers, Consultants, Opinion Makers; Retailers; Equipment & Machinery Suppliers & Importers; Marketing & Direct Selling Companies; Institutions.

**Main Supporting Organizations:** CLE; CSIR-CLRI; FDDI; ISF; IFLMEA; IFCOMA; AFCAMMI

**Contact:** Mr. Jayanta Das, General Manager, ITPO, New Delhi; Mr V Narayanan, Deputy General Manager, ITPO, Chennai; [email: itpohn@md4.vsnl.net.in](mailto:itpohn@md4.vsnl.net.in) [url: http://indiatradefair.com/iilf/](http://indiatradefair.com/iilf/)



### 2nd Designers Fair 2017:

organized by Council for Leather Exports



**About:** Overseas designers present their design collections/projects in overseas fairs which are procured by the individual exporters on payment basis. However, the Indian exporter has to travel all the way to major fairs to have exposure to such designs. The Designers Fair will provide an opportunity to the overseas designers to present their design Projects in India to the Indian manufacturers of leather and leather products.

The Designers Fair will be organized by Council for Leather Exports (an autonomous organization under Ministry of commerce and Industry, Govt. of India) in Chennai during **1-3 February 2017 coinciding with India International Leather Fair**, Chennai, India, which is the largest leather fair in India and one of the popular fairs in Asia.

**Important Information:** The second edition of the Designers Fair 2017 will be held at Hotel ITC Grand Chola, Chennai during 1-3 February 2017.

**Fair Timings:** 9.30 am to 5.00 pm

**Exhibitors:** Forty-three International Designers and Design Institutions will be exhibiting at this Fair. The participation fee is Rs 2500/- per person to visit this Fair and to interact with the Designers.

**Country-wise break-up of Designers:** Italy (11), USA (11), France (2), Brazil (2), Russia (4), Spain (4), Portugal (1), India (3), Institutions (5)

**Product-wise break-up of Designers:** Shoes (18), Leather Goods (10), Leather Garments (2), All products (6), Institutions (5), Prints (1), CAD solutions (1)

**Contact:** The Executive Director, Council for Leather Exports, Chennai; [email: cle@cleindia.com](mailto:cle@cleindia.com) [url: designersfairindia.com](http://designersfairindia.com)

### XXXIV IULTCS Congress 2017

jointly organized by CSIR-CLRI & ILTA

India Partners: CLE and IFLMEA

International Union of Leather Technologists and Chemists Societies

[www.iultcs2017.org](http://www.iultcs2017.org)

**Preamble: A "Meeting of the Minds"**

IULTCS is founded for the purpose of encouraging Technology and Science of Leather on a worldwide basis. Most times, we pay attention to 'Science & Technology' only when in crisis. May the XXXIV IULTCS 2017 Congress re-ignite the 'spirit' for advanced preparedness. This Congress would bring in the 'Best Minds' in the area of Leather from across the globe for deliberation and for mapping the road ahead

**About:** R&D focus of research institutes, chemical companies and organizations around the world has been the sustainable development of the leather sector. In this scenario, the congress aims to address the following technological challenges: Fundamentals in leather science, Strategies for sustainability, Innovation and value addition for leather, Advances in chemicals for smart and intelligent leathers, Design innovation for lifestyle leather products, Emission control strategies, Enriching human capacity, Global research alliances and partnerships.

**Dates of Congress:** 5th February 2017 to 8th February 2017; 9.00 am to 6.00 pm

**Venue:** Hotel ITC Grand Chola, Chennai

**Participation/ Registration fees:** Rs 10,000/- per person. Payment by wire transfer or DD favouring 'Indian Leather Technologists Association'.

**Contact:** Dr KJ Sreeram, Secretariat, XXXIV IULTCS Congress 2017

[email: iultcs2017@gmail.com](mailto:iultcs2017@gmail.com) [url: http://www.iultcs2017.org/](http://www.iultcs2017.org/)





## PROGRAMME

(Tentative and subject to change by the respective organizers please)

Date	Time	Event	Organizer	Venue
<b>Tuesday, 31st January 2017</b>				
Tuesday, 31st January 2017	6.00 pm	Inaugural Function of India International Leather Fair 2017 & Distribution of CLE Export Awards	ITPO & CLE	Chennai Trade Centre (CTC)
<b>Wednesday, 1st February 2017</b>				
Wednesday, 1st February 2017	09.30 am	Inauguration of 2nd Designer Fair 2017	CLE	Hotel ITC Grand Chola
	10.00 am	IILF 2017	ITPO	Chennai Trade Centre (CTC)
	7.00 pm	Leather Fashion Show – Followed by Dinner (Against tickets)	IFLMEA	Hotel Taj Coromandel
<b>Thursday, 2nd February 2017</b>				
Thursday, 2nd February 2017	09.30 am	2nd Designer Fair 2017 (Day 2)	CLE	Hotel ITC Grand Chola
	02.05 pm	Seminar on Development & Eco-Friendly technology	CILTA	Seminar Hall A, CTC
	10.00 am	IILF 2017	ITPO	Chennai Trade Centre (CTC)
<b>Friday, 3rd February 2017</b>				
Friday, 3rd February 2017	09.30 am	2nd Designer Fair 2017 (Day 3)	CLE	Hotel ITC Grand Chola
	10.00 am	IILF 2017	ITPO	Chennai Trade Centre (CTC)
	05.00 pm	2nd Designers Fair (Day 3) Valedictory Function of Designers Fair CLE Design & MODEUROP Awards Distribution	CLE	Hotel ITC Grand Chola
<b>Sunday, 5th February to Wednesday, 8th February 2017 XXXIV IULTCS Congress 2017</b>				
Sunday, 5th February, 2017	6.00 pm	Registration & Networking	CSIR-CLRI & ILTA	Hotel ITC Grand Chola
<b>Monday, 6th February 2017</b>				
Monday, 6th February 2017	9.00 am	Opening Ceremony of XXXIV IULTCS Congress 2017	CSIR-CLRI & ILTA	Hotel ITC Grand Chola

## PROGRAMME

(Tentative and subject to change by the respective organizers please)

	9.45 am	Heidemann Lecture	CSIR-CLRI & ILTA	Hotel ITC Grand Chola
	11.00 am	Fundamentals in Leather Science	CSIR-CLRI & ILTA	Hotel ITC Grand Chola
	01.45 pm	Advances in Chemicals for Smart & Intelligent Leathers	CSIR-CLRI & ILTA	Hotel ITC Grand Chola
	04.15 pm	Innovation and Value addition for Leather	CSIR-CLRI & ILTA	Hotel ITC Grand Chola
<b>Tuesday, 7th February 2017</b>				
Tuesday, 7th February 2017	9.00 am	Strategies for Sustainability	CSIR-CLRI & ILTA	Hotel ITC Grand Chola
	1.30 pm	Emission Control Strategies	CSIR-CLRI & ILTA	Hotel ITC Grand Chola
	4.30 pm	Young Scientist Lecture + A peep into XXXVI IULTCS, XXXV IULTCS & AICLST Congresses	CSIR-CLRI & ILTA	Hotel ITC Grand Chola
	7.00 pm	Musical excellence of Mirudhangam – in tribute to Industrial Leadership Nagappan	CSIR-CLRI & ILTA	Hotel ITC Grand Chola
<b>Wednesday, 8th February 2017</b>				
Wednesday, 8th February 2017	8.30 am	Design innovation for lifestyle leather products	CSIR-CLRI & ILTA	Hotel ITC Grand Chola
	9.45 am	Enriching human capacity / Global research alliances and partnerships	CSIR-CLRI & ILTA	Hotel ITC Grand Chola
	11.30 am	IUE   IUUCI UR   IUT Commission Report and Asian Forum Report	CSIR-CLRI & ILTA	Hotel ITC Grand Chola
	12 Noon	Closing ceremony for XXXIV IULTCS Congress 2017	CSIR-CLRI & ILTA	Hotel ITC Grand Chola
<b>Jai-Hind!</b>				



# Curtain Raiser on “XXXIV IULTCS Congress”

**XXXIV  
IULTCS  
2017 - INDIA**  
5-8 February 2017,  
Hotel ITC Grand Chola

[www.iultcs2017.org](http://www.iultcs2017.org)



In Curtain raiser meeting for the XXXIV IULTCS congress, Shri Aqeel Ahmed highlighted how the Leather Post brought out by the institute has been informative to the industry. He also said that the appreciation for the XXXIV IULTCS should be on par with that of UITIC last year. Shri Rafeeqe Ahmed suggested that the 20th year of the Mecca Hajji Abdul Majid Award for best project to Anna University leather technology students should be celebrated and this year's award should be presented during the valediction of the XXXIV IULTCS Congress. Dr T Ramasami, the Congress President traced the history of the congress and how the congress which was predominantly held in Europe moved for the first time in 1999 to India. With a shift in the centre of gravity of the industry to Asia, there has been a better technologist

/ chemist to trade coupling. This has resulted in the XXXIV IULTCS Congress coming back to India. The Indian leather sector had to send a clear message to the global leather community through the congress by turning the present congress into a benchmark congress. Activities of the sector as whole should be showcased. Industry should participate in large number and demonstrate how well the technology and industry coupled in the country. Essentially Indian leather sector has to own the congress. At this point, Shri Rafeeqe Ahmed highlighted that though CSIR-CLRI was the organizer of the congress, industry should look upon the congress as one of “thaiveedu mathiri” (meaning a program in ones own mother’s home). He requested CLRI to take roadshows to ensure that the congress had participation from even outside Chennai.

# Enabling LEATHER

A joint endeavour of ITPO | CLE | CSIR-CLRI



“Enabling Leather” traces the growth of the unique partnership between ITPO, CLE and CSIR-CLRI required for the sustainable development of the Indian Leather Industry.

That the Leather Industry has grown from exporting about Rs 800 lakh worth of raw hides/ skins and semi-finished leather in 1944-45 to US\$ 5854 million in 2015-16 has to be attributed to the technologies imbibed by this Industry. The transition to an industry manufacturing high quality leather and customer-desired products has not been easy.

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finished leather in 1944-45 to US\$ 5854 million in 2015-16 has to be attributed to the technologies imbibed by this Industry. The transition to an industry manufacturing high quality leather and customer-desired products has not been easy.

Several paradigm changes had to be adopted bringing in sustainability and value addition. The trinity partnership between ITPO, CLE and CSIR-CLRI has enabled sustainable development of the leather industry. India International Leather Fair (IILF) plays an important role in these linkages.

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## Enabling Leather: Theme Pavilion at IILF 2017 focuses on:



**1.Shift towards Sports Footwear:** To strengthen India’s Sports footwear segment technologically and otherwise such that the vision of Hon’ble Prime Minister of India in sporting Nation could be realized sooner than later.

**2.New Dimensions in Children’s Shoes:** The Children’s feet grow at a rapid rate thus necessitating a frequent change in footwear to accommodate this foot growth. In order to provide correct fitting shoes for them it is essential to gather reliable foot dimensions of

children which was done through a ‘digital capture’ of the foot images.

**3.Bringing paradigm shift from Don’t to Do Ecology:** Technologies for reduction or elimination of chrome discharge in tannery waste waters. Demonstration of Waterless Chrome Tanning Technology.

**4.Fashion Forecasting for Leather:** Presentation of MODEUROP Leathers & Colours for the Spring Summer 2018 season.

Experience the Theme Pavilion @ India International Leather Fair, 31st January 2017 to 3 February 2017

# Invitation to visitor

**2<sup>nd</sup> DESIGNERS FAIR**  
HOTEL ITC GRAND CHOLA | CHENNAI  
www.designersfairindia.com

Feb, 1-3  
**2017**



The 1st Designers Fair organized by Council for Leather Exports at Hotel Le Royal Meridien, Chennai during Feb. 1-3, 2016 ended on a highly successful note. 29 designers (Italy – 10, USA – 8, Brazil – 3, Russia – 2, Belgium – 1, India – 2 and Design Institutions in India – 3) participated in this event.

A total of 1113 business meetings were held during the fair. Orders booked/expected indicated by Designers was USD 1,28,700. But many Designers have remarked that prices/orders are under Negotiations. A total of 300 visitors from 180 companies/institutions visited the fair.

In short, the 1st edition of Designers Fair has laid a strong foundation for more such events in future and has created a positive impact about Indian Leather Industry in the minds of Prominent Designers. The 2nd edition of Designers Fair will be held in Hotel ITC Grand Chola, Chennai during Feb. 1-3, 2017. 43 Designers / Institutions will be participating in this fair, as per break-up given below.

➤ COUNTRY-WISE & PRODUCT-WISE BREAK-UP OF DESIGNERS

Country	Designers	Products	Designers
Italy	11	Shoes	18
USA	11	Leather Goods	10
France	02	Leather Garments	02
Brazil	02	Garments, Shoes, Leather Goods	03
Russia	04	Shoes and Leather Goods	03
Spain	04	Institutions – India (CFTI • FDDI • NIFT • CLRI • NID • Freya Design Studio)	05
Portugal	01		
India	03	Printed Leathers	01
India Institutions	05	CAD Solutions	01
<b>Total</b>	<b>43</b>	<b>Total</b>	<b>43</b>

We are pleased to extend our invitation to manufacturers and exporters to visit this important fair and hold business discussions with the Designers. As in last year, the fee for participation has been fixed at Rs.2500/- per person. Thus, if two officials from a company attend the fair, the total fee will be Rs.5000/-.

The duly filled application form for participation (copy enclosed) in the Designers Fair 2017 can be sent along with the payment through a cheque drawn in favour of Council For Leather Exports. The application form is also available in the website www.designersfairindia.com

Kindly contact Council For Leather Exports for further details (e-mail: cle@cleindia.com)

Organised by:



CMDA Tower-II, 3rd Floor, Gandhi-Irwin Bridge Road, Egmore, Chennai 600 008.  
Tel: (044) 2859 4367-71(5 lines) Fax: (044) 2859 4363 & 28594364.

# CURTAIN RAISER MODEUROP Autumn Winter 18/19 season



The next MODEUROP Roundtable & Colour Club Meeting for the Autumn Winter 18/19 season will be held during 29-30 March 2017 at DYNAMIKUM Science Center in Pirmasens, Germany.

Israr Mecca, the newly elected Regional Chairman of the Council for Leather Exports (South) on 4th January 2017 at Hotel Ramada, Chennai in the august presence of Dr T Ramasami, Shri M Rafeeqe Ahmed, Dr B Chandrasekaran, Shri PR Aqeel Ahmed, Dr S Rajamani, Shri NR Jagannathan and Dr NK Chandrababu.

In preparation for this Roundtable, the tendencies in leathers/ colours for the season was released by Shri



In picture: Shri Md Sadiq, CSIR-CLRI Shoe & Product Design Centre demonstrating the 'official MODEUROP' Colour Card for the Spring Summer 2018 season to the dignitaries.

**Calendar of Events: MODEUROP Autumn Winter 18/19 season**

Curtain Raiser	4th January 2017
MODEUROP 'First View' AW 18/19 season	17th February 2017
Last date for readying leather/ colour proposals	20th February 2017
Showcase	9th March 2017
MODEUROP Colour Club Meeting: Autumn Winter 18/19	29-30 March 2017
New season's Colour Card	April 2017

## CSIR-CLRI to prepare a Blue Print for Secure Environment Protection measures for Jajmau Tannery Cluster

CSIR-CLRI has convened the stakeholders meeting of Jajmau cluster, Kanpur on 19 January, 2017 for addressing the need for integrated approach towards secure environment protection of Kanpur region. CLRI has brought the necessity of water and salt conservation in the tanning cluster, which has been recommended by NMCG. Later CLRI delegation and the industry representatives attended the meeting convened by NMCG at New Delhi on 20 January, 2017.

Jajmau is a major tannery cluster with complex grid of tiny, small and medium tanneries with 400 units. Jajmau is one of the initial site where first Ganga Action Plan was implemented in late 80's. It has been proposed to address the current status of Jajmau tanneries with the existing CETP which does not match the requirement. In order to achieve ensure environment and economic viability, an integrated approach comprising salt prevention and reduction at source during preservation stage, in process measures for water reduction, reduction of chromium through in plant process control measures in tanneries, waste utilization technologies with value addition and end of pipe treatment including proper of disposal of treated waste for secure environment protection.

A consensus has been arrived for establishment of dedicated collection and conveyance system and CETP for tannery wastewater. This calls for collective measures by industry stakeholders, institution and SPV for arriving at location specific environmental action plan in a time bound manner. This time bound action plan would ensure water conservation and salt recovery through Zero Liquid Discharge (ZLD) and shall be adopted during 3rd year while ensuring adequate measures for process control in tanneries. A gradual approach towards ZLD would ensure both environment and economic viability.

CSIR-CLRI would be overall implementing organisation for ensuring in plant process control measures and working with SPV for establishment of pre-treatment in tanneries, primary, secondary and tertiary treatment systems at CETP. A task force comprising NMCG, CPCB, UPPCB, UP Government, industry stakeholders, SPV and CLRI would monitor and ensure the progress as envisaged in the proposed time bound action plan.

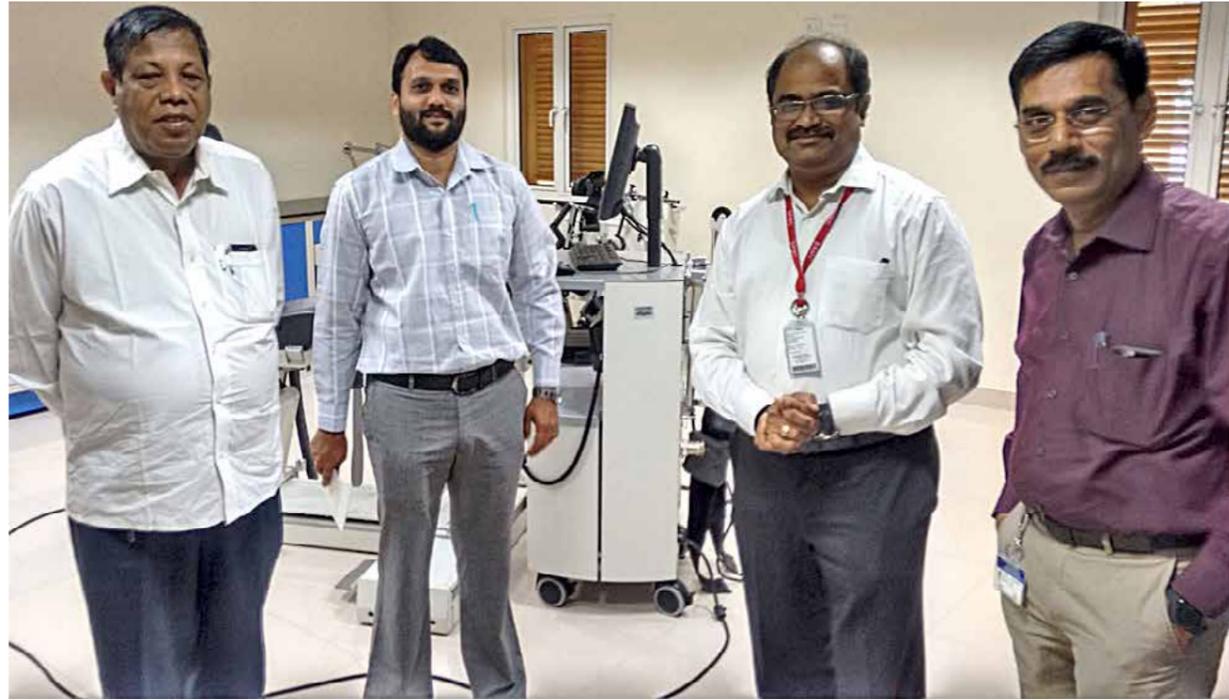
CSIR-CLRI would prepare the blue print in consultation with Tamilnadu water Investment Company (TWIC) and tanners associations of Jajmau shall submit to NMCG within 4 weeks.



## Director & Team CSIR-CLRI visited Sri Ramachandra Arthroscopy & Sports Sciences Centre (SRASSC), Sri Ramachandra University, Chennai on 26th December 2016 to discuss co-operation in GAIT Analysis Research and Development of Comfort Footwear.



Dr. K. A. Thiyagarajan initiated the meeting with a power point presentation about facilities available at SRASSC, International collaborations and affiliations with other institutes at Board room situated in the Central Research Facility. Prof S. P. Thyagarajan initiated about the collaborative project between SRU and CSIR-CLRI on “**Design & Development of indigenous high performing sports shoe for Indian Sports Personnel**” and also recommended data collection and analyzing the foot Anthropometry of the school students involved in sports activities vs those not involved to create a baseline for this project. Dr B. Chandrasekaran welcomed the proposal and agreed to work with SRU.



Prof S. Arumugam and Dr. K. A. Thiyagarajan introduced the team of CSIR-CLRI to team of Sri Ramachandra Arthroscopy & Sports Science Centre (SRASSC). The tour of the SRASSC facility was induced by Dr. K. A. Thiyagarajan and team CSIR-CLRI had visited the Sports Biomechanics laboratory equipped with Vicon Motion Analysis System, Exercise physiology lab equipped to measure Muscle strength and Aerobic capacity, High altitude chamber, State of the Art fitness center with Indoor Swimming pool and Indoor Running track and Sports Rehabilitation facility.

Prof S. Arumugam suggested to do the foot Anthropometry study with young adults for whom the growth would have been matured enough. Dr. B. Chandrasekaran recommended collecting the foot Anthropometric data with a follow up for 4 years. He also suggested collecting anthropometric data using a unique code so the data can be collected every year for the same individual. Dr BN Das discussed on earlier works on children's footwear at Shoe and Products Design Centre, CSIR-CLRI and agreed to share the foot anthropometry data with SRASSC for base line analysis. He also suggested a plan for testing the efficacy of the developed comfort footwear for adults by CSIR-CLRI at SRASSC Biomechanics laboratory.

Dr B. Chandrasekaran commented the absence of the scale up plans to manufacture the same kind of footwear available pan India. Dr Das recommended a study on comparison of Indian sports footwear with the imported sports footwear at SRASSC biomechanics laboratory as initial phase of the project. Dr.Thiyagarajan commented on this note by saying that it can be evaluated in lower level athletes and volunteers.

Dr.G.Saraswathy suggested conducting Questionnaire survey for athletes to understand their activities from school hood, and their experiences on foot related problems and also to get their feedback on the performance of the currently used sports footwear and their actual need about the sports shoes.

Dr. Chandrasekaran suggested that the study can be undertaken as a Mini project mode or Innovative Project mode with a time line. Prof S. P. Thiyagarajan discussed about the essential financial support required from both the Institutes and recommended the planning for essential man power to carry forward with the work. It was mutually agreed to start and do the following works at the earliest.

#### Work forward

##### Phase I

1. Analysis of the available school children's foot Anthropometry data with CSIR-CLRI by SRU Professors.
2. Collection of foot Anthropometric data of the Higher Secondary school students (KV, CLRI), College or University going students with a consent document.
3. Duly appoint essential man power from both the institutions to carry out the work.

##### Phase II

1. Analyze and compare the currently available Indian sports shoes with imported shoes and develop a protocol/ methodology to evaluate the same.
2. Performance based evaluation for the sports footwear using Questionnaire survey.

## Converting Leather Wastes, Trimmings and Bone Wastes into ENERGY



“Why pay for **ELECTRICITY BILLS** when you can generate **SOLAR ENERGY**” says **Dr K Iyappan**, Senior Technical Officer of the Chemical Engineering Department of CSIR-CLRI.



Dr Iyappan is focusing his research on harnessing ENERGY from Solar Power that could be utilized in the various unit operations of LEATHER PROCESSING. The output thus is not only economical, but also user-friendly and can be stored for utilization at any given point of time. His Laboratory team has also installed on the terrace a windmill for studies on generating alternate source of energy. A weather wane predicts the humidity, temperature and direction of the wind for optimal energy conversion and storage.

**AT ANY GIVEN POINT OF TIME, DR IYAPPAN GUIDES AND TRAINS NEARLY TEN STUDENTS IN HIS LABORATORY.**

The Indian Leather Sector could benefit from his expertise in the area - [iyappan@clri.res.in](mailto:iyappan@clri.res.in)

# Felicitations!

to The Newly Elected  
Regional Chairmen Council for Leather Exports



**Shri Puran Dawar**  
Regional Chairman (North) Second Term



**Shri Israr Mecca**  
Regional Chairman (South)



**Shri Javed Iqbal**  
Regional Chairman (Central)



**Shri Ramesh Juneja**  
Regional Chairman (East)  
Second Term



**Shri Naresh Bhasin**  
Regional Chairman (West)  
Second Term

# 22<sup>nd</sup> INDIA INTERNATIONAL LEATHER FAIR

26 - 28 February 2017

at Milan Mela Fair Grounds, Kolkata, India

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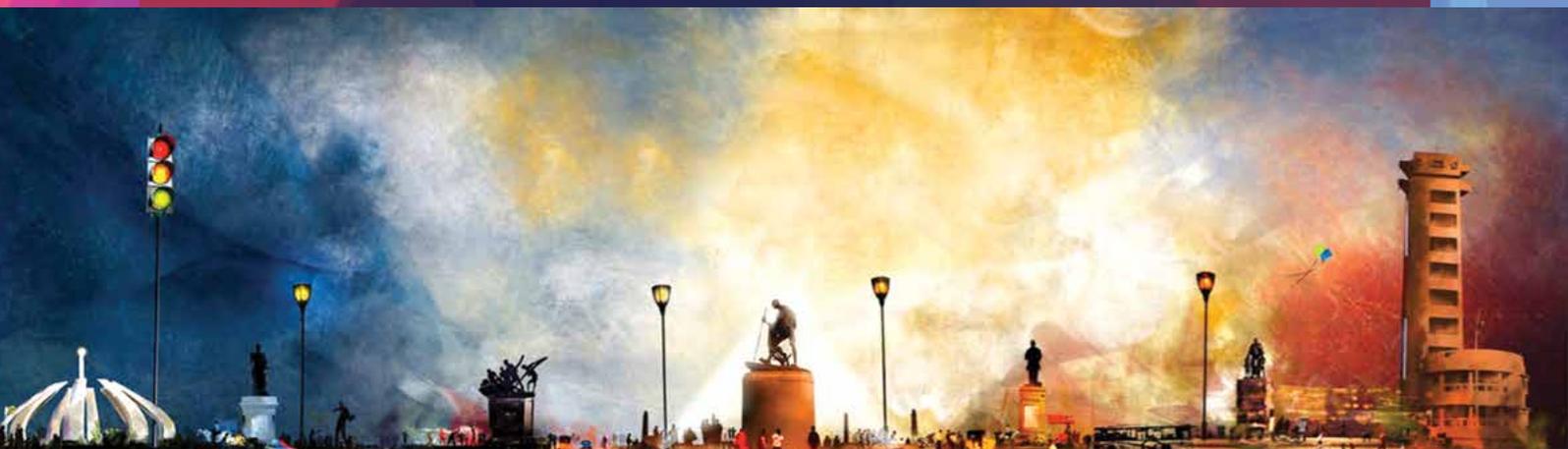
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For further details please contact: Congress Secretariat, CSIR-CLRI, Chennai, India, Email: [iultcs2017@clri.res.in](mailto:iultcs2017@clri.res.in)