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

CREDITS

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Printed by: Global Printing Press
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In his opening remarks, Dr B Chandrasekaran, Director, CSIR-Central Leather Research Institute (CSIR-CLRI) shared the important events of Year 2016 before presenting ‘What’s NEXT!’

He stressed that the mandate of CSIR-CLRI is to serve the Indian Leather Sector. He presented salient features of the Performance Appraisal Report of the last four years: qualitative publication profile is on the rise, nine technologies developed – five transferred. He indicated that these were good signs.

On the subject of Infrastructure development, he said that several new infrastructures would be coming up on the campus; Training Infrastructure including an academic block, new hostel, new guest house facility; Modernization of the Triple Helix Auditorium as well as the labs.

At this juncture, the Director read the message of the Director General to the CSIR Family and urged one and all to remain inspired.

The Director said that there is a strong felt need to take adequate measures to improve the visibility of the Institute.

“Ever since I took charge of this Institute as Director, I made a decision to visit all the leather clusters in the country more than a couple of times and assured the Industry that this Institute would work for sustained growth of the sector’, the Director said.

A massive Technology Mission Programme has been submitted to DIPP, Government of India envisaging various activities for the Indian Leather Sector. Likewise, a road map has also been made for the Institute.

WORK TOWARDS ORGANIZATIONAL GROWTH: personal growth not at the expense of organizational growth” said the Director at this point. Commitments can only be realized if every one of us is accountable for the action taken.

Director said that India would be hosting the XXXIV IULTCS Congress during 5-8 February 2017 in Chennai after 17 years and it is the most prestigious event for the International Leather Fraternity.

Presenting the financial outlay, the Director said the 12th Five Year Plan period was a good phase for the Institute.

He urged the colleagues to work with renewed commitments and to remain inspired from the various environment projects bio-glue, chrome melamine syntan, dry tanning and waterless chrome tanning technology; particularly the latter that had proven to be ‘game-changing’ technology for the global leather sector. He also mentioned about many new developments that included development of newer enzymes, electro-oxidation among others.

The Director said that in the coming years there is an urgent need to work cohesively and take this Institute to the NEXT level.

Create an atmosphere that we are the BEST: reorganize both mentally and physically to maximize our productivity. CSIR-CLRI features in four of the twelve country specific programmes covering water, environment, skill and energy. Help entrepreneurs in S&T based start-ups. Have a Business Plan for the next three years.

Director was overjoyed in mentioning that CSIR-CLRI was in the Top 5 of CSIR laboratories and urged all colleagues to set examples to the youngsters through punctuality, adhering to rules and working together to make the laboratory one of the BEST.

Director expressed great joy in mentioning that for the first time, a process based technology ‘Waterless Chrome Tanning Technology’ has reached all over the country and Internationally as well. Another significant product technology Dry Tanning is the single largest commercial exploitation.

In conclusion, Director appealed all colleagues to convert R&D outcomes into Technology Developments for the Industry and on to the next level. Urged to help and assist many of the challenges to be realized.

Director greeted the CSIR-CLRI Family a bright and prosperous New Year 2017!
“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 resistance, compactness, grain strength, water drop absorption, titanium content, etc. 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 TiO2. The buffalo, cow, goat & sheep crust displayed following results with respect to titanium content:

<table>
<thead>
<tr>
<th></th>
<th>Titanium</th>
<th>TiO2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buffalo</td>
<td>2.5%</td>
<td>4.2%</td>
</tr>
<tr>
<td>Cow</td>
<td>4.1%</td>
<td>6.8%</td>
</tr>
<tr>
<td>Goat</td>
<td>3.3%</td>
<td>5.5%</td>
</tr>
<tr>
<td>Sheep</td>
<td>3.4%</td>
<td>5.7%</td>
</tr>
</tbody>
</table>

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.
The Leather Post
The Leather Post

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

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 Provierea Priobiotics 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 bactericides in the beamhouse process. It was pointed out that these Priobiotics 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/CO2 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 off 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.
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
ILF 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;
Country and Group Pavilions:
Brazil, China, France, Germany, Italy and group pavilions by: Wenzhou Donnor
Through Registration Counters at Halls 3A and 1D
Sale of Tickets:
IILF 2017 will be held at the Chennai Trade Centre, organized by India Trade Promotion Organization
LEATHER FAIR 2017:
The Leather Post The Leather Post
WHAT TO EXPECT FROM INDIA LEATHER WEEK 2017

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 url: 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
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-kindle the ‘spirit’ for advanced preparedness. This Congress would bring into 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 ‘India Leather Technologists Association’.
Contact: Dr KJ Seeram, Secretariat, XXXIV IULTCS Congress 2017 email: iultcs2017@gmail.com url: http://www.iultcs2017.org/
# Programme

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

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

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<th>Organizer</th>
<th>Venue</th>
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<tbody>
<tr>
<td>Tuesday, 7th February 2017</td>
<td>9.00 am</td>
<td>Strategies for Sustainability</td>
<td>CSIR-CLRI &amp; ILTA</td>
<td>Hotel ITC Grand Chola</td>
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<tr>
<td></td>
<td>1.30 pm</td>
<td>Emission Control Strategies</td>
<td>CSIR-CLRI &amp; ILTA</td>
<td>Hotel ITC Grand Chola</td>
</tr>
<tr>
<td></td>
<td>4.30 pm</td>
<td>Young Scientist Lecture + A peep into XXXVI IULTCS, XXXV IULTCS &amp; AICLST Congresses</td>
<td>CSIR-CLRI &amp; ILTA</td>
<td>Hotel ITC Grand Chola</td>
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<tr>
<td></td>
<td>7.00 pm</td>
<td>Musical excellence of Mirudhangam – in tribute to Industrial Leadership Nagappan</td>
<td>CSIR-CLRI &amp; ILTA</td>
<td>Hotel ITC Grand Chola</td>
</tr>
<tr>
<td>Wednesday, 8th February 2017</td>
<td>8.30 am</td>
<td>Design innovation for lifestyle leather products</td>
<td>CSIR-CLRI &amp; ILTA</td>
<td>Hotel ITC Grand Chola</td>
</tr>
<tr>
<td></td>
<td>9.45 am</td>
<td>Enriching human capacity / Global research alliances and partnerships</td>
<td>CSIR-CLRI &amp; ILTA</td>
<td>Hotel ITC Grand Chola</td>
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<td></td>
<td>11.30 am</td>
<td>IUE</td>
<td>IUCI</td>
<td>UR</td>
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<td></td>
<td>12 Noon</td>
<td>Closing ceremony for XXXIV IULTCS Congress 2017</td>
<td>CSIR-CLRI &amp; ILTA</td>
<td>Hotel ITC Grand Chola</td>
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Jai-Hind!
Curtain Raiser on

“XXXIV IULTCS Congress”

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 UIITIC last year. Shri Rafeeque 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 Rafeeque 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” 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.

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.

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.

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.

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

The Leather Post

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/indicated by Designers was USD 1,28,706. But many Designers have remarked that orders/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 breakup given below.

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

<table>
<thead>
<tr>
<th>Country</th>
<th>Designers</th>
<th>Designer Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Italy</td>
<td>11</td>
<td>Shoes 02</td>
</tr>
<tr>
<td>USA</td>
<td>11</td>
<td>Leather Goods 10</td>
</tr>
<tr>
<td>France</td>
<td>02</td>
<td>Leather Garments 02</td>
</tr>
<tr>
<td>Brazil</td>
<td>02</td>
<td>Garments, Shoes, Leather Goods 03</td>
</tr>
<tr>
<td>Russia</td>
<td>04</td>
<td>Shoes and Leather Goods 03</td>
</tr>
<tr>
<td>Spain</td>
<td>04</td>
<td>Institutions – India 05</td>
</tr>
<tr>
<td>Portugal</td>
<td>01</td>
<td>Printed Leathers 01</td>
</tr>
<tr>
<td>India</td>
<td>03</td>
<td>CAD Solutions 01</td>
</tr>
<tr>
<td>Institutions</td>
<td>05</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>43</td>
<td>Total 43</td>
</tr>
</tbody>
</table>

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: clc@clcindia.com)

Organized by:

COUNCIL FOR LEATHER EXPORTS
(Sponsored by Ministry of Commerce & Industry, Government of India)

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The Leather Post

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.

In preparation for this Roundtable, the tendencies in leathers/colours for the season was released by Shri 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 Rafeque Ahmed, Dr B Chandrasekaran, Shri PR Aqeel Ahmed, Dr S Rajamani, Shri N J Jagannathan and Dr NK Chandrababu.

Calendar of Events: MODEUROP Autumn Winter 18/19 season

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

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 GangAction 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 secure 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.
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 inducted 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.

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Converting Leather Wastes, Trimmings and Bone Wastes into ENERG Y

“Why pay for ELECTRICITY BILLS when you can generate SOLAR ENERGY” says Dr K Iyyappan, 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
Felicitation

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

22nd INDIA INTERNATIONAL
LEATHER FAIR
26 - 28 February 2017

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