Welcome to

INDIA INTERNATIONAL SCIENCE FESTIVAL

Industry - Academia Interaction Meet
14-15 October 2017 at Vigyan Auditorium, CSIR-SERC, Chennai.

Stakeholders:

- Ministry of Science & Technology
- Ministry of Earth Science
- CSIR-Central Leather Research Institute
- CSIR-Structural Engineering Research Centre
- National Institute of Ocean Technology
Dear Doyens and Members of the Indian Leather Fraternity; Colleagues from CSIR; Mentors and Teachers, Colleagues and Friends! It gives us great pleasure in sending you our September 2017 edition of The LEATHER POST.

I am happy to inform you that CSIR-CLRI won CSIR’s DIAMOND Jubilee Technology Award on All India Basis Participation.

This edition coincides with the conclusion of the Platinum Jubilee celebrations of CSIR. The cover story is on the 3rd India International Science Festival and CLRI would be co-ordinating an Industry-Academia Meet during 14-15 October 2017. A Science Village would also be set-up on the Campus and we hope to reach out “Science” to the discerning. It would be a great pleasure to welcome you to join us in our endeavours.

I must mention that CLRI has won the CSIR Technology Award under Innovation Category for the Waterless Chrome Tanning Technology and I congratulate the Team. I also congratulate the Team involved in the launch of Dry Tanning. A women scientist has brought laurels to this Institute winning NABS-Women Scientist Award.

CSIR-CLRI has been reaching out to the Industry in every sphere with its technologies and services. We hope to live up to the expectations of the Indian Leather Sector at all times.

We must walk hand-in-hand in our journey ahead!

I wish to thank you all for your unstinted support and kind co-operation at all times,

We will strive to make this magazine informative and interesting and welcome your feedback for improvement.

27th September 2017
The Ministry of Science and Technology, Ministry of Earth Sciences and Vijnana Bharathi have come together to organise the India International Science Festival (IISF) every year since 2015. The 3rd series of IISF will be organized from 13-16 October 2017 at Chennai. This event is jointly Co-ordinated by NIOT, CSIR, IIT and Anna University.

Industry Academia Interaction Meet

The interaction meet aims at Industry – Academic Institutional tie ups in R&D and achieving improved efficiency in production and manufacturing. The interaction will bring out a brief proceeding on the recent paradigm changes in various sectors of Industry. Representatives from industry and academia will also have a good opportunity to discuss the changing trends on management principles, scientific advancement and technological assimilation in industry and economy.

A meeting was held on 28 August 2017 at in CLRI, to discuss and finalise the program schedule for forthcoming IISF 2017 Industry-Academia Interaction meet.

Dr. B. Chandrasekaran-Director CLRI, Prof. Nalinaksh Vyas- IIT Delhi, Dr. Asheesh Shah- VIBHA, Dr RS Rathore- AICTE, Mr Balamurugan- AICTE, Mr Rajeev- Nokia, Dr G.S. Palani- SERC, Dr K. Gunasekaran- SERC, Mr Dayalan- MSME, Ms. Givinder Guar- MSME, Mr V. Ramsunder- NIOT, Dr R. Venkatesan- NIOT, Dr. Narasimhaswamy, Scientist, CLRI and Dr. Nishad Fathima, Scientist, CLRI were present in the meeting. The Director welcomed the members and gave introductory remarks. Dr N Nishad Fathima made a presentation on the activities planned for Industry Academia Interaction meet. Prof. Vyas and Dr Asheesh Shah gave their opening remarks.

The following session themes for each session have been finalised. A lead person for each MSME sector selected, has been identified for contacting associations and industries of the sector assigned and ensuring their participation.

Message from Dr JR Rao, Co-ordinator Industry-Academia interaction meet

Industry-Academia interaction meet aims to bring together academicians and industrialists to bridge the gap between academia and industry. It would also pave way for new start-ups and entrepreneurs. Forum also exposes new technological developments for the sustainable growth of the manufacturing sector.
India International Science Festival

The 1st IISF was held at Indian Institute of Technology (IIT) New Delhi in December, 2015. The mega S&T expo attracted more than 3 Lakh people. VIBHA has become the Guinness Book World Record Holder for the successful conduct of the ‘Largest Practical Science Lesson’ by 2000 students from prestigious schools of Delhi.

The 2nd IISF was held at CSIR-National Physical Laboratory, New Delhi in December, 2016 with a view to improve their scientific understanding, temperament and appreciation for various feats in science & technology by showcasing Indian achievements.

The 3rd edition of IISF will be organized from 13-16 October 2017, at Chennai, Tamil Nadu.

Industry-Academia Interaction

The interaction meet aims at Industry – Academic Institutional tie ups in R&D and achieving improved efficiency in production and manufacturing. The interaction will bring out a brief proceeding on the recent paradigm changes in various sectors of Industry. Representatives from industry and academia will also have a good opportunity to discuss the changing trends on management principles, scientific advancement and technological assimilation in industry and economy.
Programme Schedule

The Industry-Academia Interaction will focus on the theme “MSME and sustainable development” and endeavor to come out with preparative strategies to meet the challenges ahead and prepare the launch pad for the country to gain global leadership.

Session Themes

- Technology forecasting and changing trends in MSME sector
- Industry-academia partnership: Initiatives, issues and challenges
- Paradigm shifts and avenues for zero defect zero effect (ZED)
- Innovation led Incubators and Startups- SSR and CSR
- Mass transportation: New frontiers and challenges
- Energy and environment

Speakers

Eminent speakers from the industry and the academia representing National and International agencies will share their experiences and address major issues.

Registration

Wide participation is solicited from industry personnel as well as students. The registration is free and interested participants may please fill the registration form given online.

Online registration is available at
https://scienceindiafest.org/industry-academia-interaction.html

Important Information:

Last date for receiving Poster Abstracts 10 September 2017
Confirmation of acceptance 15 September 2017

Address for Correspondence

The Conveners
Industry-Academia Interaction- IISF 2017
CSIR-Central Leather research Institute
Adyar, Chennai, Email: clri.iisf2017@gmail.com, Tel: 044 2443 7188

Lead Coordinator : Director, CLRI
Chief co-ordinator IISF : Dr Asheesh Shah
Expert Members
academy-industry : Prof. Nalinaksh Vyas
Prof. Dev Agrawal
Dr Randhir Singh Rathor
Conveners
Dr J Raghava Rao
Mr Md Sadiq
Dr V Subramanian
Dr T Narasimhaswamy
Dr N Nishad Fathima
Dr R Venkatesan
Mr K Gunasekaran
Mr Noushad Forbes remarked that a strong and vibrant design community existed in this country. He outlined the programme and said that the focus of the meeting was to set the agenda, set potentials and priorities.

The members introduced themselves and participants were from different spheres of design covering a large ambit.

In his Introductory remarks, the Chairman of the India Design Council, Mr Noushad Forbes said that there is a “Great wealth and breadth of talent” in our country.

INDIA DESIGN COUNCIL is about how we impact design in our daily lives of people: a very ambitious agenda, he added.

He traced the history of design talent and said that in the beginning, there were a very few designers from Ahmedabad and a few from IIT’s, today there are hundreds. The real challenge is to control the quality of designers; particularly, the new designers in the country.

• Do we see the quality of each of the designers coming out?
• How do we rate the priorities of design? Design for public spaces, urban design and enhance quality of life of city dweller!

Prof Pradyumna Vyas, Member Secretary, India Design Council and Director, National Institute of Design presented the India Design Policy and also covered the highlights of the Japan-India comprehensive co-operation.

Some of the salient features of his presentation cover:

The India Design Council is a national strategic body for design in India. It is committed to establish India as a center for design excellence. It constantly endeavors to increase knowledge, develop design capability, encourage businesses to use design, and drive value creation through design.

In pursuance of the National Design Policy announced by the Government of India on 8th January 2007, the Central Government constituted the India Design Council on 2nd March 2009.
The council is presided over by Dr. Naushad Forbes, Co-Chairman, Forbes Marshall Group. Prof. Pradyumna Vyas, Director of National Institute of Design, Ahmedabad is the member secretary. The council is formed of 32 eminent people from the field of design, academia, media, industry organizations and Government departments. The council has started working on a number of initiatives for developing Indian Design Sector. It is working with other government agencies, the design community, industry and education institutions to promote design in business, society and public services. The council is spearheading the national design direction and is coordinating the resources of various agencies, institutions and industry in promoting and developing design excellence.

Objectives of the Council
Design Awareness & Design Promotion

• Creating public awareness on quality design & its effectiveness: Use of design as strategic element for business excellence and as a key factor for innovation, to improve people’s quality of life.

• Promoting design awareness and effectiveness through programs in private & public sectors- Country based Brand building - Design Promotion/ Exhibitions/ Conferences/ Seminars.

• Promoting Design as a tool for innovation, productivity and economic competitiveness in business and industry.

• Encouraging Micro, Small & Medium industries to follow the best design practices.

• Promoting the concept of environment friendly designs and promote designers and industry to work towards environment friendly design.

Design Development

• Promoting design investment in Industry & research organizations - work towards tax benefits for design research.

• Assisting industries in appreciating the importance of quality and effective design management in product manufacturing to upgrade market competitiveness

• Initiating Educational Institution - Industry Partnerships to impart both design knowledge and business knowledge such as marketing/ entrepreneurship

• Promoting best design practices & innovation in Design - India Design Mark

• Encouraging Design Research and Establish National Grants for design research.

• Building a common platform for integrating design resources of the government, the manufacturing and academic circles.

• Acting as a primary knowledge management body for design in India- integrate domestic cultural and creative design information, building a platform to share and exchange knowledge, exploring creativity - Operate a design database.

• Undertaking awareness programs in IPR in the Design Industry - Provide workshops on Intellectual Property management and design

Positioning India as a Top Design Destination

• Setting up a museum/design centre to showcase the role of design in everyday life to visitors from India and abroad.

• Building a smooth mechanism and channels of international cooperation, promoting exchange of Indian design and Indian designers
This was followed by a presentation by Mr Hridayssh Deshpande:

- Mr Deshpande informed the members that the term of the new GD was for a period of three years.
- He also informed about the co-operation with Japan Institute of Design Promotion and how IDC was taking forward the I-mark and G-Mark.
- He presented a few snapshots from the G-mark exhibition held recently in New Delhi
- Spoke about the study tour of the MSME delegation to Japan
- How I-mark is gaining its importance and proving to be a benchmark of good design in the Industry with conditions to comply with any two of the following factors:
  - Make in India
  - Design in India
  - Manufactured in India
- Interaction between first generation designers with the younger designers
- How IP can be created for design
- Roadshow for good industry practice
- Good design exhibition along with CII summits & CII Design Excellence Awards
- Make in India Week: Design in India Show
- Good design seminars
- The annual date of 29th June as the day for I-mark
- Setting-up Embassy of Design at World Industrial Design Conference in Hangzhou

Representing the Indian Leather Sector, Mr Md Sadiq from CSIR-Central Leather Research Institute, presented the highlights of the Indian Leather Industry. He introduced the Industry as a US$ 17.85 billion industry accounting for 12.93% of the world’s production of hides and skins; producing 12.5 billion sft. of leather and accounting for 13% of the global production.

The product mix and the percent share was detailed as: Finished Leather comprising 16%, Leather Footwear as 38%, Shoe Components as 5%, Leather Garments as 9%, Leather Goods as 23%, Harness & Saddlery as 3% and Non-Leather Footwear as 3%.

He traced the history of the Indian Leather & Leather products Industry from the early days of being a mere resourcing partner to being able to develop the right kind of product for the right market and the right season TODAY. He also spoke about the growing importance of design in the Indian domestic market and how this has impacted the per capita consumption from just 1.5 pairs until recently to about 4 pairs per person.

He gave a brief on the largest importing countries that included: USA, Germany, UK, Italy, Spain, France, Hong Kong and The Netherlands and the major brands that source from India. Mr sadiq added that LEATHER is a prominent sector in Indian economy in terms of employment generation employing nearly 3 billion people with 30% of them being women. He moved on to introduce the Council for Leather Exports and the CSIR-Central Leather Research Institute and the signature contribution in “The Travel of India in ‘fashion forecasting’ for LEATHER.”
Dr. A. Gnanamani was born on 1st June 1964 at Dindigul, Tamilnadu, India. Dr. Gnanamani made several original and novel discoveries, especially in remediation of pollutants and biological material for human health care. She has developed new microbial products from microbes of different origin and also from new plant bioactive constituents to combat microbial and fungal infections in skins, wounds and leather.

A novel product developed by her team for internal wound management received greater attention and the technology transferred to pharmaceutical company. Her research work is cited in Pharmabiz and Materials Today. She has filed 14 patents and published 160 research papers with h-index of 18. She is a recipient of TANSA (Tamilnadu Scientist Award), Prestigious TATA Innovative fellowship, DBT-CREST and FICCI Innovative awards.

Dr. A Gnanamani
CSIR-Central Leather Research Institute
during the NABS-Annual General Body Meeting & Awards ceremony held at Bharathiar University, Coimbatore on 8th September 2017

(In picture: An award and the citation being received by Dr Gnanamani from NABS)
Report on CSIR-CLRI’s participation in World Leather Congress & All China Leather Exhibition, China
29th August to 1st September, 2017

Dr. J Raghava Rao and Dr. R Aravindhan visited Shanghai, China during the period 27th August to 3rd September, 2017. During this period, 3rd World Leather Congress was taking place at Hotel Pullman Shanghai South and All China Leather exhibition was taking place at all Shanghai New International Expo Center, Shanghai, China.

World Leather Congress was organized by Taiwanese International Leather Association (TILA), International Council of Tanners (ICT), and by China Leather Industry Association (CLIA). World Leather Congress was attended by close to 750 participants from all over the world. Congress represents an opportunity to remind everyone of the important part the leather industry plays in international business and the enormous steps that the industry has made in demonstrating its technical expertise, its social and environmental responsibility and its sustainability. This was a one-day event, held on 29th August 2017. The Theme of the World Leather Congress this year was “The Leather Revolution: How The Industry Will Respond”.

The Congress commenced with a welcome note by the organizers from TILA, CLIA and ICT. The first presentation was by Mr Luca Boltri, Vice Director, Head of Economic Department – UNIC Italian Tanners’ on “The Global Perspective – The Leather Industry Today”. This was followed by lectures on “Forecast on China Economy” and “The Leather Industry in China- What Next?” by members from CLIA. In the forenoon section, the key note lecture was given by Mr Simon Yarwood, publisher, World Leather on the presentation titled “A Vision of the Future for the Leather Industry”

The theme of the next session was “The New Consumer”, which was moderated by Mr Thomas Yu, Vice President of IULTCS. “The New Consumer of China”, “E-Commerce of Leather goods” and “Post-Modern Marketing” by eminent speakers from the industry. This lecture session was followed by a panel discussion. The theme of the next session was “The Future for Leather Product Manufacturers”, which was again moderated by Mr Thomas Yu, Vice President of IULTCS. “International Trade Rules – Where Will Industry Be?”, “Is Leather the Material of the Future?” “Vehicle Production – Why Use Leather?” and “Tyson – A Solid Partner to the Leather Industry” by eminent speakers from the industry. This lecture session was followed by a panel discussion.

The third session was themed “The Tanners’ Response”, which was moderated by Mike Redwood, Director, Clayton’s Leather Group of Chesterfield. “Driving Industry Change- The Tannery of the Future”, “Future Trends in Raw Materials and the Leather Industry” and “Alignment on Realistic and Scientific Sound Restriction of Chemicals” and “Zero Discharge of Hazardous Chemicals” by eminent speakers from the industry. This lecture session was followed by a panel discussion. The World Leather Congress concluded with a Grand Gala Dinner.

All China Leather Exhibition (ACLE) was inaugurated on 30th August 2017. There were over 1000 exhibitors from 39 different countries present in this edition. ACLE aims to showcase the latest collections in Leather, footwear design and leather products, Synthetic leathers and chemicals for leather and leather allied sectors. This exhibition also offered a two-way platform for local and international exhibitors and trade buyers to further explore business opportunities
in China. All China Leather Exhibition (ACLE, also known as Shanghai Leather Fair) is the definitive and only international leather fair in China, organized by China Leather Industry Association (CLIA) and APLF Limited. ACLE is the premier event for international companies seeking opportunities in China’s huge market - the focus of the global leather industry. This edition hosted national pavilions from Brazil, China, Hong Kong, India, Germany, Italy, Ethiopia, Pakistan, Taiwan and Thailand.

ACLE has proven itself to be the fastest-growing leather fair in the context of China being the main areas of growth in the global leather industry, and the strong demand for leather from surrounding countries such as Vietnam and Indonesia. ACLE target the Chinese tanning (upstream) sectors which source raw hides and skins, semi-finished leather, leather chemicals and leather machinery to manufacture finished leather to be used in the domestic footwear, leather goods and automotive upholstery sectors. International tanneries also exhibited in this leather platform to promote their products to domestic footwear and automotive leather importers.

Eight halls of the International expo were exhibiting under the following categories such as Hides & Skins, Semi-Finished / Crust Leather / Finished Leather, Synthetics, Leather Chemicals / Dye Shoe Components, Leather Tanning / Finishing Machinery, Technology / Services / Association / Trade Press, Woven & Natural Materials, Leather craft Machines / Tools / Supplies / Hardware / Fittings / Accessories.

On 30th August 2017, the Executive Committee Meeting of the IULTCS was organized. The agenda included: approval of the minutes of the EC meeting held in Chennai, India this year bestowing all praises to CSIR-CLRI for the fine organization of the Congress. Other items were discussing progress reports on the planning of the next two IULTCS in Dresden, Germany (2019) and Addis Ababa, Ethiopia (2021). Voting for the post of Vice President IULTCS was also conducted. Dr. J Raghava Rao and Dr R Aravindhan represented India and Dr. J Raghava Rao casted his vote at the EC meeting. Dr. Luis Zugno was selected as the next Vice President of the IULTCS.

Followed by Executive committee meeting, seminar on the total solution for chrome tanning was being organized by APLF at Hall E2 - Seminar Area - E2/ E25 around 11.00AM to 12.00 PM. Dr J Raghava Rao made a presentation on the topic “Waterless Chrome Tanning Technology”. Following this, a presentation was made by Dr R Aravindhan on the Topic “Zero Wastewater Discharge Technology Through In-Process Measures”. Both the presentations were well received by the audience.
Eliminating the Asphyxiator

One of the pollutants and a major hazardous chemical used in leather manufacturing is the sodium sulfide. Sodium sulfide is used as a sharpening agent in liming along with lime to remove the hair. As much as 25 kg of sulfide is used for every ton of rawhide or skin. This amounts to the use of about 20 million tons of sodium sulfide per annum by the Indian leather industry. Sodium sulfide is an asphyxiator and corrosive in nature. Use of sulfide results in the generation of toxic gas $\text{H}_2\text{S}$. Emission of hydrogen sulfide leads to many fatal accidents in Indian tanneries.

CSIR-CLRI has been carrying out a project of standardizing the application process of a protease in the process of sulfide-free and less-sulfide unhairing systems. After having standardized the application process at pilot scale, attempts have been made to validate the process at commercial scale. A week back, a commercial scale batch process (batch of medium buffalo hides weighing 1.8 tons) of less-sulfide, enzyme based unhairing process has been conducted at M/s Saba Tannery, Kanpur. For the unhairing process carried out in drum, 2% lime, 1.2% sulfide and 0.08% enzyme were used. The unhairing was found to be complete in 6 hours. The pelts have been processed further and converted into wet blue. The quality of wet blue was found to be on par with that of the conventionally processed leathers. The tanner was gratified to understand that the quality of the leathers was good and the pollution load could be reduced significantly.
No. 10/CDJTA/2017-RPPBDD

Subject: Winner of CSIR Diamond Jubilee Technology Award (CDJTA) 2016

Dear Dr. Chandrasekaran,

Our congratulations to CSIR-Central Leather Research Institute for being selected as winner of CDJTA 2016!

The award carries a cash prize of Rs. 10.00 lakh, a plaque and a citation. Following the practice in place, the award will be presented in a specially organized ceremony during the CSIR Foundation Day on September 26, 2017, which will be graced by National Dignitaries.

It is our pleasure to invite you / your representative to attend the Award Ceremony to receive the award. Kindly let us know the name of the person who would receive the award and the list of other people who would like to attend the ceremony. Also please send us the name and address in whose favor the demand draft is to be prepared.

Any other necessary details of the ceremony will be informed in due course of time.

With warm regards,

Yours sincerely,

Dr. B Chandrasekaran
Director
CSIR-Central Leather Research Institute
Adyar, Chennai 600 020

(Anjan Ray)
Dear Dr. B. Chandrasekaran,

Our congratulations to CSIR-CLRI Team!

Winners of CSIR Technology Awards - 2017 have been decided. CSIR-CLRI’s nomination titled “Water less Chrome Tanning Technology” has been selected jointly with CSIR-CMERI’s nomination titled “Development of Community Level Iron Removal Plant & Their Implementation in Rural Areas to Supply Iron Free Drinking Water” for the “Innovation” category of the said awards.

The award carries a cash prize of Rs. 2.00 lakh, a plaque and a citation.

Following the practice in place, the award will be presented to CSIR-CLRI in a specially organized ceremony on September 26, 2017, the CSIR Foundation Day at New Delhi. We’ll let you know the necessary details of the ceremony in due course.

It is our pleasure to invite you to attend the Award Ceremony along with lead member(s) of the team to receive the award.

We sincerely hope that this Award would inspire all those at CSIR-CLRI not only to accelerate their efforts of innovating more and more but also to deploy innovations, in an end to end manner successfully, for the benefit of the stakeholders.

With warm regards,

Yours sincerely,

(Anjan Ray)

Dr. B. Chandrasekaran
Director
CSIR- Central Leather Research Institute,
Adyar, Chennai-600 020, India
CSIR-CLRI’s participation at the

CSIR Mega Science Exhibition

at Hyderabad during September 1-6, 2017

Jointly organized By CSIR-IICT, CSIR-CCMB and CSIR-NGRI

As part of CSIR Platinum Jubilee Celebrations, CSIR-IICT, CSIR-CCMB and CSIR-NGRI have jointly organized CSIR Mega Science Exhibition in the twin cities of Hyderabad-Secundrabad during September 1-6, 2017.

The main purpose of the exhibition is to showcase and highlight the CSIR contributions to the Nation for the last 75 years under the following themes,

- Aerospace & Strategic Sector
- Agriculture & Floriculture
- Chemicals & Petrochemicals
- CSIR-800 Rural Development
- Ecology & Environment
- Energy
- Engineering & Infrastructure
- Food & Nutrition
- Healthcare & Generics
- Human Resource & IP
- Leather
- Mining, Minerals & Materials
- Skill Development
- Water

CSIR-CLRI put-up its stall in the Expo under the theme “Enabling Leather” and showcased the latest game changing, cutting edge & advanced technologies in the following areas:

- Cleaner Leather Processing
- Products segments like Children Footwear, Dia-step, Comfort Shoes
- Alternative raw materials like Chicken Feet Leather, Sole from Fish, skin from Emu and its Products like diary case, Key chain, hand bag, mobile case
- Regenerated leather from the trimming waste
- Health Care products
- Education and Training
The expo stall of CSIR-CLRI was visited by school children, research scholars, academicians, entrepreneur, many more people from the States of Telangana and Andhra predominantly from the twin cities Hyderabad- Secundrabad and its surrounding areas. The CSIR-CLRI technologies were explained to the visitors in detail. As per the organiser, there were about 100s of participants who attended this CSIR Mega Science Exhibition during the period 1-6 Sep 2017.

**Destination North East: North-east Calling Exhibition**

*September 9-10, 2017*

The Ministry of Development of North Eastern Region (DoNER), Government of India is organising an event “North East Calling” under its Destination North East series of this year during September 9-10, 2017 at India Gate Lawns, New Delhi.

The purpose of the event is to promote the art, culture, heritage, cuisine, handicrafts, business and tourism of North East India. The event had showcased all activities and products of North-East and it coincides with the 16th Anniversary of Ministry of DoNER.

CSIR-CLRI has showcased the North East based Products in the exhibition.
Meeting with Deputy Commissioner Mr Vairender Kumar Sharma of Jalandhar by Team CSIR CLRI, NEERI and PPCB officials in connection with the orders by Honourable high court of Haryana for inspecting the tanneries in Jalandhar.

Interaction with Kanpur Tanners by Team CSIR-CLRI

Team, consisting of Punjab Govt officials and CLRI-RCED Jalandhar, visit to Ghaziapur rendering plant, near Delhi, to see the feasibility in implementing the similar plants in Punjab

Commercial Scale Demonstration of enzyme based unhairing process in tannery at Kanpur

Signing of Agreement by AN Leathers for obtaining the license of “zero wastewater discharge through electro-oxidation”
Our heartfelt condolences to the family of Shri Purshotham Nath Rallan who left for his heavenly abode on 10th September 2017. Late P H Rallan was a Tanner and his family continues the business with expansion into Leather Garments and leather Goods Industries run by Shri Motilal Sethi, Managing Director, SAROJ International, Noida.

Diploma course in Leather goods manufacture under CSIR integrated Skill initiative commenced on 11 September 2017.

Diploma course in footwear manufacture under CSIR integrated Skill initiative commenced on 11 September 2017.

Team CSIR-CLRI India Fashion Studio in the various Tanneries in Ranipet & Melisharam belt TODAY readying the leather/colour proposals for presentation at the forthcoming MODEUROP Roundtable for the Spring Summer 2019 season.

Mr. Shafeeq Ahmed stated that the industry is facing a Challenging Environment. While expressing his concern on the Global Slackness in the Leather Markets, he informed the members that IFLMEA with the support of CLE is keeping up with the situation and working hard for the improvement of the worsening situation.

Mr. Nazar Mohamed enquired whether any initiative has been taken to redefine pastel shades etc., into the finished leather norms

Mr. Israr Ahmed Mecca convinced the members that assurance has been given by the Joint Secretary that the matter will be looked upon and positive steps be taken in this regard.

Mr M Rafeeqe Ahmed currently the industry is facing the most difficult year. He said that all types of costs have increased. The raise in Raw Material costs are a big challenge which no other country is facing.

Mr PR Aqeel Ahmed informed the members about the Duty Drawback that as we all know, it is going to be reduced, CLE is constantly representing the matter and the current finance minister has assured to consider and CLE is closely following up.

Dr. B. Chandrasekaran, Director CSIR – CLRI: While addressing the members Dr. B. Chandrasekaran, Director, CLRI, informed that Finished Leather Norms are being considered and Finished Leather Samples collected from different parts of the country are being analysed.

He also informed the members that the recent innovation of the CLRI for Saltless Tanning, trials are being conducted in various tanneries, so that the accumulation of Salt generated in the CETPs is reduced and avoided. He said that the samples of salt generated from CETPs have been sent to the Marine Research Institute in Ahmedabad for a suitable technology for separation of impurities and other chemicals from pure salt.
NS ECO Solution Pvt Ltd, a Vellore based joint venture by Naser Group and Saba Group acquired the Dry Tan Technology from CSIR – CLRI for a license fee of Rs.2.0 Crores. After successful demonstrations, the DRY TAN Technology was launched on 18th September 2017 at Ambur Trade Center in the presence of Industry leaders and leather technologists. The launching of this technology gained much importance as the industry is desperate to tackle salinity issues and sustainability of CETP’s.

Mr. A.G. Naser Ahmed, Managing Director, Naser Group welcomed the august gathering with these words. “Water is an important medium in leather making and tanning process. The Dry Tan will eliminate the water consumption and thus help industries overcome the challenge of bringing down the polluting effluents. It can also safeguard the labours from getting exposed to more chemicals as majority of the process is done manually”.

The doyen of the industry, Mr. M. Mohammed Hashim, Chairman, KH Group, emphasized the tanning community to adopt innovative technologies and change the public perception towards the leather industry. He showered his praise on CSIR-CLRI for bringing out such a need of the hour technology.

Mr. Mecca Rafeeqe Ahmed, Chairman, Farida Group and President, AISHTMA highlighted the importance of cleaner processing and need to implement the technology for the sustenance of the leather industry.

Short video clippings of M/s. KH Group, M/s. VAS Noorullah & Co, M/s. Shakeel Ahmed & Co, M/s. Good Leather Company, M/s. TAW Tanneries (Pvt) Ltd, M/s. AXA Leather Group, M/s. Ejaz Tanning Company, M/s. Naser Tanning Company as customer’s feedback were played. All the tanners were happy with outcome of leather quality with respect of grain smoothness, flatness, colour with reduced amount of BCS and total water and salinity elimination.
Dr. B. Chandrasekaran, Director, CSIR – CLRI said that, “Dry Tan Technology is a game changer which will provide economical and environmental benefits to tanning sector.

Adding further to the benefits of Dry Tan, Inventor of the technology, Dr. C. Muralidharan, Chief Scientist, CSIR – CLRI said that, “The method does not require additional or new infrastructure and reduces the chemical input by 30% and eliminates use of salt, acid and water. Above all these benefits, the method helps in saving time and energy, thereby enhancing the overall production of leather. It is versatile in application for both hides and skins. This technology changes a century old practice for sustainable development of tanning industry”.

Mr. S.K. Sabapathy, Managing Director, Saba Group gave the vote of thanks and said, ‘Over the years, a lot of norms has been introduced to safeguard the environment and with this, a lot of technology and innovation has entered across manufacturing industries. The dry tan technology will be a shot in the arm for the tanning industry which will help meet the environmental guidelines thereby improving the quality of production”.

The Leather Post
From handbags and jackets to car interiors, leather products are almost everywhere. But processing the leather for these luxury items creates a lot of potentially harmful pollution. Now, one group reports in ACS Sustainable Chemistry & Engineering a new method for processing leather that is more eco-friendly.

According to Rolls Royce, it takes 12 cow hides to upholster the interior of one of their automobiles. The journey from cow to a leather seat is a long one, involving many steps. One of the more well-known steps is called tanning, but before that can even happen, hair must be removed from the hides, and the fibers must be "opened" up or swollen. Currently, manufacturers use lime and sodium sulfide to accomplish these steps, but this produces sludge waste and toxic gas, and then it requires ammonium salts to remove the lime. Ionic liquids are molten salts at room temperature and are not very volatile, making them attractive alternatives to harsh substances. These liquids have been investigated for use in leather-making, but they’ve only been applied to a single process. Jaya Prakash Alla, Jonnalagadda Raghava Rao and Nishter Nishad Fathima wanted to see whether they could completely eliminate the need for lime and sodium sulfide by using ionic liquids in both the hair removal and fiber opening steps.

The team performed three different treatments on goat skins. For the control, the researchers used traditional methods. The second set of skins was processed with a hybrid method (called EI) that involved an enzyme for hair removal and lime for opening fibers. The third treatment (called E2) involved the enzyme and an ionic liquid for hair removal, then the ionic liquid again for fiber opening. The ionic-liquid-treated skins weren’t quite as strong as the control after tanning, but they had the right coloration and appearance. The E2 treatment eliminated the use of lime, sodium sulfide and ammonium salts, and it reduced pollution output and treatment time.

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Note: ACS does not conduct research, but publishes and publicizes peer-reviewed scientific studies.

A condolence meeting was held in CSIR-CLRI on Thursday, 21st September 2017 to mourn the sad demise of Late TS Ranganathan, Former Scientist F.

Dr. T.S Ranganathan, former Scientist ‘F’ at CSIR-CLRI passed away on 21 September 2017. His contribution to advancement in mineral tanning systems in general and pioneering research in Zirconium Tanning and overall development of Leather Education are noteworthy. CSIR-CLRI express heartfelt condolence to his bereaved family.

May his soul rest in peace!
INDIAN LEATHER INDUSTRY - STRIDING WITH CONFIDENCE
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