68th Meeting (OPEN) of the Research Council, CSIR-CLRI
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 March 2018 edition of The LEATHER POST.

Several events are being reported in this edition. The 68th Meeting of the Research Council (RC) was held during this period and our work has been lauded by the Members of the RC unanimously.

Our Training Programmes have reached ‘LEVEL NEXT’ as we are now training the Trainers. We continue to provide skill upgradation training too which have been very effective.

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.

28th March 2018
To commemorate the milestone crossed by CSIR-CLRI “70 years of Leadership in Leather,” CLRI would be celebrating its Foundation Day in Chennai on Tuesday, 24th April 2018.

Follow us on https://clri.org/ for programme update please.
As a part of National Science Day celebrations, science day lecture was organized at CSIR-CLRI on 28th February 2018 at 4.00 pm at B.M. Das Hall. Dr. B. V. N. Phani Kumar, Senior Scientist, coordinator of the event briefed about the significance of the science day and later he introduced the speaker Prof. S. Subramanian, Adjunct Professor and INSA Senior Scientist, Department of Chemistry, IIT Madras, Chennai.

Dr. C. Muralidharan, Chief Scientist on his presidential address highlighted on the year 2018 theme “Science and Technology for a sustainable future” and the role of CSIR-CLRI towards this accomplishment. Further, he emphasized on how the marriage of science-technology leads to advancement in different areas of science.

Stimulating science day lecture on “Magnetic Resonance Spectroscopy Evolution from Physics to Chemistry to Biology to Medicine and Beyond” was delivered by Prof. S. Subramanian. He gave many insights and personal accounts of the development of magnetic resonance spectroscopy from its native state to current status. Applications of magnetic resonance spectroscopy to the various branches of science were highlighted during the lecture. Earlier, science quiz was organized by CSIR-CLRI Students Forum for research students and the prizes for the winners were distributed by Prof. S. Subramanian during the event. Dr. S. Ganesh, Senior Scientist, conveyed vote of thanks and the event concluded with National Anthem. The event witnessed active participation from scientists, staff and students. Ms. J. Sridevi, Senior Technical Officer, compered the programme.
Training of Master Trainers Program for CSIR Integrated Skill Development Initiative

CSIR has launched a nation wide Integrated Skill Development Program. All the constituent laboratories will be part of the program. All the CSIR laboratories are directed to identify the skill development modules pertaining to the expertise of the laboratory. In order to conduct the various skill development programs in a standardized manner, a management system has been developed by CSIR-CLRI at the behest of CSIR. It is also contemplated at CSIR level to create master trainers, who in turn will train the trainers. And the trainers will be engaged in conducting the training program. In this connection a nationwide program of ‘Training of Master Trainers’ had been organized and CSIR-CLRI was asked by CSIR to coordinate the training program. Two batches of training program have been conducted for creating the master trainers and the participants were from 25 different CSIR laboratories namely:


The programme was inaugurated by Dr. B. Chandrasekaran, Director, CSIR-CLRI. He addressed the participants on the national mission mode benefits along with the socio-economic impact Skill Development Program (SDP) can make with respect to Skill India and Stand Up India. After the inauguration, the session on orientation to CSIR Skill Initiative Program was handled by Dr. K. Shreedhar, Scientist, DGTC, CSIR. He briefed on the objectives of the CSIR Skill Initiative Program. Dr. P. Saravanan, Chief Scientist, CSIR-CLRI continued with the lecture on Quality Management System (QMS) which was followed by Mrs. T. Shakila Shobana, Scientist, CSIR-CLRI on the tools and techniques which are essential to improve the quality of SDP. Post lunch session began with Project Management System (PMS) which was handled by Dr. Swarna V Kanth, Principal Scientist, CSIR-CLRI. In continuation to this session was on the Application of Project Management System (PMS) to skill development programs and web – based PMS by Mr. P. Sathiamoorthy, Senior Technical Officer, CSIR-CLRI.

The training for subsequent days was handled by Mr. Sunil Bhardwaj, MEPSC nominated trainer. The training covered the aspects on the skills required by master trainers for conducting SDP programs. The sessions included qualities of excellent trainer, competence based training and assessment, categories of knowledge and skill, storytelling, lecture, coaching and demonstration as methods of training, blended learning, Andragogy – adult learning, design of training programs, curriculum development, assessment, planning for training, methods of training, effective communication, Learning Style Inventory (LSI) and several interactive sessions, demonstration of training / lectures with the coordinators pan CSIR being assessed as master trainers.
The 23rd edition of India International Leather Fair (IILF) Kolkata was held at Biswa Bangla Convention Centre New Town, Kolkata from 26th to 28th February, 2018 and the fair was organized by India Trade Promotion Organization (ITPO).

The fair was inaugurated by Dr. Amit Mitra, Honorable Minister in Charge - Finance, Industry, Commerce & Enterprises, MSME & Textiles, Government of West Bengal. It is an exclusive International event for promotion of Indian leather goods along with leather machineries, accessories and chemicals.

Latest expressions of the trends, styles, designs and colours in world fashion have been exhibited in this fair. Representatives of eight foreign countries include Switzerland, Sweden, the UK, the USA, Canada and Bangladesh were taking part in the fair apart from Indian participants.

CSIR-CLRI participated in the Fair and exhibited its various range of products. The main theme for this event was “Incubation Centre for Start Up’s - Leather and Leather Products”. Various technologies developed at CSIR-CLRI were also exhibited.

**CSIR-CLRI stall with the Theme: Incubation Centre for Start Ups - Leather and Leather Products**

- Products Range and Collections Displayed:
  - Chicken Feet leather & products
  - Silk & Leather Combination products
  - Textile & Leather combination products
  - Fashionista collection.

The Chicken Feet Leathers and Leather Products exhibited for the industries as well as visitors was the show highlighter. Many people positively responded to the fascination it created, as it was very new and the potential of its usage in commercial market. Combination products made out of Leather and Silk were exhibited as “Silk – A vista Collection”. This collection includes Tote bags and clutches.

Textile and Leather combination range of products for Gents were exhibited as “Checkers” range. It has a complete range for a traveler with wallet, Passport case, Executive Bag, Duffel bag and a Weekender bag.

Training at CSIR-CLRI: Various training courses on Leather, Leather Goods and Garments were exhibited. Technologies of CSIR-CLRI were also exhibited in the stall for the visitors.

One of the visitors from EU has shown strong interest in chicken feet leather made watch straps and some of the multi-coloured bags. Mr. K Karthikeyan explained and assured that if any production unit like to collaborate with CSIR-CLRI for their product development are encouraged to participate in our incubation programme. One of the visitors has shown interests in our NSFDC supported diploma programme. It has been explained in details to him about the criteria of the programme.

One businessman enquired regarding any possibility to design/organize a tailor made training programme for the small and new production house to provide guidance to promote their business into international level. Overall, it was a good experience to showcase various products and technologies of CSIR-CLRI to the National & International visitors.
Dr S Ramachandran Memorial Lecture

About Dr S Ramachandran

Dr S Ramachandran was the First Secretary to the Department of Biotechnology, GoI. He was also the Chairman of the Research Council of CSIR-CLRI. Born on 9 September 1934, Dr Ramachandran got his doctorate in Biochemistry from University of Illinois in 1960. After a career in Hindustan Antibiotics Limited, Poona, Dr Ramachandran rose to become the chief executive of Bengal Immunity Company Limited and then became the Member Secretary of National Biotechnology Board in 1982.

He was instrumental in setting up a separate Department for Biotechnology in 1986. As secretary, he led several successful missions such as immunization, tissue culture, aqua culture etc. After retirement in 1992, he was the chairman of WHO commission on children’s vaccine initiative. He was awarded the Padma Bhushan in 2007. After brief illness, Dr Ramachandran passed away on 5 March 2016.

Dr T Ramasami, former Secretary, Department of S&T, Ministry of Science & Technology, GoI and DG CSIR who delivered the second memorial lecture, described Dr Ramachandran as a composer, conductor and coach. The functions of all three involves making others deliver value beyond themselves through the art of persuasion, science of logic and philosophy of life. Dr SR was a master of the three functions and placed himself in the core of several hearts. Dr Ramasami traced the career of Dr Ramachandran, which seeded the growth of biotechnology in India. When India was looking for a secretary for the newly established Department of Biotechnology, the obvious choice was Dr SR as he was a scientist with an industrial frame of mind. Several of the programs seeded by him have now matured into fruit yielding and shadow giving trees. Dr SR was described as one who nursed a nursery out of which came saplings of vitality in biotechnology space. The department that started off with a funding of Rs. 4 crores has today a budget of around Rs. 2250 crores and through the years resolved many issues simultaneously. Dr SR’s four-part approach of nurturing human resources, creating appropriate infrastructure, creating R&D and creating regulatory framework had resulted in the Department achieving many a milestone in the shortest possible time. Emergence of India as a major food production centre and pharmaceutical factory is thanks to the initiatives of Dr SR.

Dr Ramasami also went to describe the current challenges for biotechnology in India. This included areas such as agricultural biotechnology where farmers had to gain parity with national per capita income and food and nutrition growth needs has to be met from less arable lands. In the area of medical biotechnology, affordable cost and breaking access barriers were the priority. In eco-biotechnology and eco-system services, process biological alternatives are required. R&D in regenerative medicine was another important area. All these require multifarious tasking.

As the Chairman of the Research Council of CLRI, Dr SR brought biotechnology to leather. He was the force behind the institute in several fronts including the NMITLI program, leather technology mission and modernization of leather industry. Dr Ramasami suggested that Dr SR would have dreamt of a leather sector, which by 2030 have undergone a paradigm shift from environmentally red category to eco-benign through biotechnology, where chemicals would have been replaced by biological products in beam house. Many fold value realization from protein conjugates is possible through bio-interventions and this would lead to India becoming a global leader in leather technology space.

Dr Ramasami concluded by saying that the deeds of Dr SR had made him immortal.
A three-day workshop on design and merchandising of leather products was organized by Council for Leather Exports (CLE), Chennai at National Institute of Fashion Technology (NIFT), Chennai between 1st March & 3rd March 2018. The workshop was conducted by Mr. Valerio Baiardo, Italian expert from the renowned school of Design & Fashion, ARSutoria, Milan, Italy.

A good number of designers and product development personnel from the industry participated. There was considerable number of participation by students/trainees from NIFT/FDDI/CFTI and Anna University (M. Tech Footwear Science & Engineering).

The staff of Shoe & Product Design Centre namely Mr. K. Karthikeyan, Mr. Amit Kumar Prajapathi, Mr.L.Murugan, Mr. M. Aranganathan participated in the workshop.

Nine Students of Department of Leather Technology: M.Tech (Footwear Science & Engineering) attended the programme as well.

KANNAN S, BHARATHI RAJAG, PREETHI S, DINESH KUMAR M, SHAI LAKSHMI N S, JOHN FRANCIS M, VIGNESH D R, POOVARASAN S, VIGNESHWARAN S

The topics covered during the three-day workshop includes

- Product Development Process
- SWOT (Strength, Weakness, Opportunities, Threats)
- Tools that help in product development i.e. Range list, Line sheets, spec sheets, tech approvals.
- Merchandising – Planning, Process & Execution
- Trends & Trend Analysis
- Mood boards
- Branding
- Marketing
- Forecast of the market in materials and designs

The lecture based event and the practical session where the participants were divided into groups and tasks assigned to them. Sketches & product profiles were presented using the Spring Summer 2018 swatches/materials that the instructor had brought from Italy.

During the brainstorming the following topics were also discussed:
- Trends Guide
- Competitor Arena
- Past season sales/New line to follow
- Codification of material data
- Accessories
- Time span from Sketches to retail market shelf

Overall the training emphasized on the importance of design and development as well as other important factors like Branding and Merchandising. Training was useful for the participants and in turn would benefit Indian Leather Products Sector.
The participation of the students of M. Tech (Footwear Science & Engineering), CLRI and Anna University was sponsored by CSIR-CLRI and the students expressed their sincere gratitude to: The DIRECTOR, CLRI for the opportunity given to them to participate in the ARS SUTORIA, Workshop on “Footwear Design and Merchandizing” organized by CLE; CARE/CHORD Divisions, Dr J Raghava Rao/ Dr B Madhan/ Dr G Jaykumar for kindly sponsoring and enabling their participation in the workshop; SPDC & INDIA FASHION STUDIO, Shri Suresh Kumar, K Dayalan and Md Sadiq for highlighting the importance of the workshop and recommending their participation.

‘We have immensely benefited from the programme and have been given certificates of participation which would help us in our career’ said the students in their feedback.
The 68th Meeting of the Research Council (RC) was an open RC where staff and students of the institute participated. In addition to the RC members, industrial representatives were also invited to the RC.

Director in his update on institutional performance informed the council the technologies that were identified as low hanging fruits in the 65th meeting of the council had now been commercialized. Those technologies which are identified as that can be translated in a period of 18 months have now been taken up on a fast track mode for translation. The investigators of the fast track mode programs then presented the output and way forward to commercialization of their products. The council suggested that the techno-economic feasibility and more so the investment needs should also be presented to the industry so that they can be prepared for taking up these technologies.

Shri N Shafeeq Ahmed, Chairman, IFLMEA offered the support of IFLMEA for projects that would rank the chemicals and industry on a sustainability score that institute could develop for them.

Shri Israr Ahmed, Regional Chairman (South), CLE requested the Director to arrange more open RCs but with larger industry participation. He said that the institute projects were in tune with the industry needs of the present where they needed cradle to cradle approaches for sustainability.

Shri RK Jalan wanted the institute R&D to focus on the Indo-Gangetic belt, which was full of opportunities for the industry. He offered to dissipate the information on institute’s research activities in Kanpur region.

Dr Gunasekaran requested the Director to ensure that Basic research programs were also encouraged.

Dr Amitava Das congratulated the institute for working on projects which were close to the industry needs. He also appreciated the mode employed by the institute in breaking down large mission mode activities into smaller workable FTTs.

Chairman RC based on the comments of the industry and progress made in the fast track translation efforts saw a great future for the industry -institute collaborations towards sustainable growth of the industry. He also suggested that industry and institute should work on a cooperative model for integrating animal husbandry with leather processing.

Dr Rafeeqe Ahmed wanted the institute to focus on developing indigenous machineries to reduce cost of production. He also wanted indigenous chemicals to control the upsurge of price of proprietary products. In his closing remarks, Dr Rafeeqe Ahmed said that he could see the technologies that were presented in the RC meeting as chicken feet leather that were in the incubator and ready for absorption by the industry. He congratulated the Director and staff for putting up a very good program and said that this was one of the best council meetings that he had attended in recent times.
A two months’ skill upgradation programme (leather goods) sponsored by Gujarat Rural Industries Marketing Corporation Ltd (GRIMCO)/ Commissioner of Cottage Industries, Govt of Gujarat commenced on 5th March 2018 at Ambawadi (Ahmedabad). This is the sixth in the series of twelve such programmes undertaken by CLRI (RCED) Ahmedabad.

Shri Meghjibhai D Kanzariya, Chairman (GRIMCO) graced the occasion along with other senior officials from GRIMCO. The Chairman in his address mentioned the benefits of acquiring such skills leading towards opportunities for self-employment and wished well to the artisans for training.

Shri Kishore Naker, Manager (Leather), GRIMCO welcomed all the artisans and explained about the training programmes being conducted with technological support from CLRI (RCED) Ahmedabad.

Shri Abhinandan Kumar, Scientist Incharge, RCED Ahmedabad mentioned about the educational and training activities of CSIR-CLRI. He also gave a brief account about the training curriculum to be followed during the course of training.

Twenty-five women from socially and economically weaker sections of society trained in Leather Goods manufacture

A three months training programme in leather goods manufacture was successfully completed at Chandkheda (Ahmedabad) on 3rd March 2018. Twenty-five women from socially and economically weaker sections of society actively participated in the training programme and got benefitted.
The Leather Post

Pandit Dheenadayal birthday valedictory celebrations

Lecture on life and works of Pt. Deendayal Upadhyay was delivered by Sanjeev Gupta on 12.1.18 in the inaugural programme. Essay writing competition was conducted for CLRI employees.

The valedictory programme was conducted on 7.3.18 and Principal of KV, CLRI was chief guest. The prizes for the essay competition winners were distributed in the ceremony.
Women’s day is celebrated as a mark of respect, appreciation, love and care towards women. To recognize each & every woman’s contribution in CSIR – CLRI and to motivate them for the future achievements, International Women’s Day was celebrated on March 8, 2018 at CSIR - CLRI. **It was the great honour to have Padmashri Dr. T. Ramasami, former Secretary, Department of S&T, Ministry of Science & Technology, GoI and DG CSIR along with Dr. B. Chandrasekaran, Director, CSIR - CLRI as chief guests for the celebrations.**

Guests of honour for the celebrations were Mrs. Shanthy Chandrasekaran, Senior CoA Dr. A. Muthukrishnan, Administrative Officer Mr. DVS Sastry, Finance and Accounts Officer Mr. A. Ravindran and Stores & Purchase Officer Mr. M.R. Devasis. Chief Guest addresses were delivered by Dr. T. Ramasami and Dr. B. Chandrasekaran. Their encouraging and motivating words rejuvenated the participants. On behalf of CLRI’s Ladies Club, Senior CoA Dr. A. Muthukrishnan and Finance and Accounts Officer Mr. A. Ravindran were honoured by the Director for their valuable services rendered at CSIR - CLRI.

As part of the women’s day celebration, few games have been conducted in the prior days for ladies club members including retired staff. Prizes for the winners were distributed by Dr. T. Ramasami. Women’s day celebration concluded with special lunch for members and participants.
Considering the rising burden of Non–Communicable Diseases (NCD), and common risk factors to major Chronic NCD, Government of India initiated an integrated National Program for Prevention and Control of Cancers, Diabetes, Cardiovascular Diseases and Stroke (NPCDCS). The focus of the program is on health promotion and prevention, strengthening of infrastructure including human resources, early diagnosis and management and integration with the primary health care system through NCD cells at different levels for optimal operational synergies.

In view of this, the health camps are being conducted periodically at CLRI dispensary with the approval from Director, CSIR – CLRI for beneficiaries of dispensary.

In view of World Kidney Day - being observed on second Thursday of March every year (this year on 08th March 2018) as not much aware on kidney ailments, planned a health check-up program for 200 beneficiaries from 06-09th February 2018 (50 persons on each day with prior registration) in which Complete Hemogram, Blood Sugar – Fasting and Postprandial, Lipid profile, S.TSH, Urea, S. Creatinine, Urine complete examination, Urine for micro albumin and ECG with Cardiologist Report conducted.

- Existing patients with diabetes mellitus, hypertension, dyslipidemia, proteinuria (diagnosed in earlier camps) have shown a remarkable control of their blood levels following medications and lifestyle modifications.
- New cases like proteinuria, few cases of Pre-diabetes mellitus, hyperthyroidism, hypothyroidism and dyslipidemia, cases of severe urinary tract infection with uncontrolled diabetes mellitus detected.
- BP check-up, repeat and further investigations (ultrasound abdomen, Calcium, Phosphorus) also done for proteinuria and microalbuminuria patients, confirmed their diagnosis and medications started as per their illness.
- Few persons with high blood pressure (Hypertension) treated accordingly.
- Patients with ECG variations referred to cardiologist.
- Lifestyle modifications, significance of diet control and regular intake of medications were explained in detail to them.

"Prevention is better than Cure". Due to various health camp activities and BP check-up, new cases of Diabetes Mellitus, Microalbuminuria, Thyroid abnormalities, persons with pre-diabetes, pre-hypertension were detected for whom medications, life style modifications including diet control and exercises advised. Regular follow-up of these cases is being done.
GEARING-UP WITH 484 LEATHER/ COLOUR PROPOSALS
for the Autumn Winter 19/20 season & preparing them for the Colour Club Meetings

Team India Fashion Studio, CSIR-CLRI gearing up with 484 leather/ colour proposals for the Autumn Winter 19/20 season’s Colour Club Meetings. “SHOWCASE: a preview of AW 19/20 season” is slated for 22nd March 2018 in CLRI, Chennai.

Discussions between Shivaji University and Director and Staff of CSIR-CLRI on 23rd March 2018 on the subject of “Kolhapur Cluster Development”
Indian academic programmes, with active State and private participation, offered greater scope for sustained growth for achieving the knowledge super power, said B. Chandrasekaran, Director, CSIR-Central Leather Research Institute, Chennai.

Delivering his address at the 17th convocation of Periyar University here on Tuesday, Mr. Chandrasekaran said that information technology coupled with such knowledge resources were considered as the future development areas of agriculture, transport, alternative fuel, communication, medical and other manufacturing sectors. Artificial intelligence, augmented reality and 3D printings were some of the complementary areas that could change the lifestyle of people.

With focus on developing younger generation to meet the challenges of the nation, Council of Scientific and Industrial Research (CSIR) had conceptualised ‘Jigyasa’ wherein each of its constituent institution would adopt at least one Kendriya Vidhyalaya to propagate scientific temper in the young minds.

Mr. Chandrasekaran said that the Central Leather Research Institute had interacted with more than 12 KV Schools reaching out to a large number of bright minds, and universities and research organisations had greater role in nurturing the younger brains for constructive nation building exercise.

The country had many success stories. When India was grossly inadequate in meeting the hunger, M.S. Swaminathan staged the ‘Green Revolution’.

The CSIR played a complementary role through its indigenous fertilizer, pesticides and the affordable tractor called ‘Swaraj’, all of which made the food starving nation to food sufficient nation. Similarly, “White Revolution” in milk production was achieved by Dr. Verghese Kurien with his ‘Operation Flood’.

The nuclear scientists demonstrated their acumen to the world by making India join the super powers, he said.

Mr. Chandrasekaran said that the Prime Minister’s “Make in India” movement, which aimed at massive and rapid enhancement of the manufacturing sector combined with the Skill India programme, linked the vocational programmes with academic programmes which was the need of the hour.
MESSAGE FROM
DIRECTOR-GENERAL, CSIR

Let’s not forget CSIR is perhaps the only organization in India that can overcome the income deficit through its IPR, services and extra mural grants so as to get ECF and commercial money!

Thus we will embark on ambitious new projects if only we, believed that we can do it!

So let’s have our most creative scientists plan new projects under the different Themes.

CSIR-CLRI will present these leathers/colours at the MODEUROP Colour Club Meeting and the FASHION-TREND-POOL Colour Circle during 9-12 April 2018 in Berlin and in Pirmasens respectively.

A ‘preview’ of leather/colour proposals for the Autumn Winter 19/20 season was held at the India Fashion Studio, CSIR-CLRI on 22nd March 2018. 19 Tanners had developed 484 leather/colour proposals that was ‘showcased’.

"Showcase: Autumn Winter 19/20 season"

The Leather Post
Shri Mohamed Sadiq, Chief Scientist, India Fashion Studio, CSIR-CLRI spoke on the need to understand the trends for four seasons at any given point of time (right from the season that is on the shop windows, to the merchandise in production, new developments for the next season and new trends for the coming seasons). He presented the trends for the Autumn Winter 18/19 season; the trends and forecasts for the Spring Summer 2019 season. His presentation included Retail Trends for the Autumn Winter 18/19 season also covering the Texture Trends for the season. In conclusion, he spoke about the Innovation in Retail and the global dominance of the Indian Leather Industry. Shri Md Sadiq invited the 26 members from RAYMOND to visit CSIR-CLRI to take a first-look at the endeavours in Quality Assurance and Design & Development.

Congratulations to Dr Iyappan K, Sr.Technical Officer(3), Chemical Engineering Laboratory, CSIR-CLRI for the “Best Oral Presentation Award” for his paper titled “Preparation of high surface area activated carbon from hazardous waste of Leather Industry for the development of a novel lead carbon (Pb-C) battery for solar energy applications presented at “2nd International Conference on recent trends in Analytical Chemistry” (ICORTAC 2018) held during 15-17 March 2018 at the University of Madras, Chennai.
Jury Evaluation of *India Design Mark 2018*

held on 1-2 March 2018 in Coimbatore

*While the first stage assessment is online, the stage 2 assessment of India Design Mark is done with the actual product.*

The Jury process began on 1st March 2018 with a briefing by Mr Hridaysh Deshpande. This was followed by Phase I of Jury Evaluation. The Phase I Jury evaluation concluded that evening when the Jury members submitted their final phase I assessment.

**The assessment criteria for stage 2 included:**
- User Potential: Ergonomics, Demand, Contextual Value, Maintainability, Product Future
- Aesthetics: Form-Function, Product Semantics,
- Execution Excellence
- Innovativeness: Conceptual Innovation, Operational Innovation
- Social Responsibility

On Day 2, the Jury convened for ‘personal presentations’ by the applicants to the Jury. This was followed by Phase 2 of the Jury Process.

Phase 3 of the Jury Process is about a joint final decision on granting the India Design marks. Thereafter, a seminar on Good Design was held followed by presentation of India Design Mark certificates.

**OPPORTUNITIES FOR THE INDIAN LEATHER PRODUCTS INDUSTRY**

“LEATHER” is a “lifestyle product” and TODAY, India has many players in the Indian Domestic market. It is but apt for the Indian Leather Fraternity to participate in INDIA DESIGN MARK and reiterate to the discerning that:
- For the Industry, IMark is a business tool as it recognizes a well-designed product which is trustworthy, valuable, preferred by customers and is manufactured in a responsible manner
- For the Consumers, IMark is a yardstick to ensure good value for money
- For Designers, IMark is a reward of good work
- For Society, IMark is an enrichment tool as it promotes responsible ways of manufacturing products and aids in industrial development in the country.

As ‘member’ of the India Design Council, CSIR-CLRI through the Council for Leather Exports and its journal, the LEATHER NEWS INDIA as well as its regional dissemination programmes, has been actively promoting INDIA DESIGN MARK amongst the members of the Indian Leather Industry.
LEATHER WALL by INDIAN TANNERS at ILM, Offenbach, Germany

Co-ordinated by India Fashion Studio, CSIR-CLRI Supported by: CLE | IFLMEA
Tanners presenting Leathers: Good Leather Company | Shafeeq Shameel Group | P A Footwear India P Ltd | KH Exports India P Ltd

For the last four seasons, INDIA through CSIR-CLRI, CLE, ISF and IFLMEA has been co-operating with ILM and ‘showcasing’ India’s finest leathers at the ILM Fashion Show.

ILM acknowledges the contribution of INDIA by popularizing the endeavour in their LOOK BOOK that is distributed at the Fair. Visit http://www.ilm-offenbach.de/ for further details.


We have received a mail from Mr. Sanchari Das, Indian Representative, The Sourcing Connection - Premiere Vision, Bangalore informing that the Fourth edition of The Sourcing Connection - Première Vision will be held on 19, 20, 21 September 2018, in the hall 2 of Première Vision Paris.

The Sourcing Connection Première Vision provides fashion professionals a sourcing offer of manufacturing from the Asia-Pacific region and Sub-Saharan Africa, with exhibitors selected according to criteria established by a specialized Committee.

To fully address the technological and ethical requirements of fashion brands, all admitted exhibitors will be pre-audited by Bureau Veritas, a global leader in evaluating product conformity and certification based on the following criteria:

• Facility Management: production unit, light conditions, storage rooms, humidity, pest activity, contamination risks.
• Social Management: safety, legal environment, work instructions.
• Production Management: inspection area, cutting process, dyeing process, broken needles record, metal detection area.

Please note that Members who have the SA8000 Certification, do not need to do the Audit.

With 6 shows that are mutually complementary in terms of their offers and services, each season of Premiere Vision brings together 1900 exhibitors specialized in yarns, fabrics, designs, accessories and components, leathers and Euromed-zone manufacturing. Twice a year, in February and September, the Event welcomes around 60,000 visitors, 73% of them are international.

Taking part in Première Vision Paris means meeting all the world of fashion industry and concluding some business. It also provides an opportunity to meet the leading fashion-industry players gathering together the same week in Paris. For further details, please contact: Council for Leather Exports, email: cle@cleindia.com
CSIR-CLRI congratulates “Best of APLF Award 2018 Winners” from INDIA at the recently concluded APLF: MM&T and Fashion Access fairs in Hong Kong

Best Fashion Leather Collection
AXA Leather Group, India

Best Fabric Collection
AJY Textile Mills, India
105th Indian Science Congress

“Reaching the unreached through Science & Technology”

16-20 March 2018, Manipur University

CSIR-CLRI participated in the 105th India Science Congress and showcased the CSIR-CLRI Technologies.
Hearty Congratulations to Dr Sayem Alam

Receiving the ‘Dr. B. C. Deb Memorial Award for Soil / Physical Chemistry for the Year 2017– 2018’ during the 105th Indian Science Congress 2018 at Manipur University, Imphal, Manipur from the Sectional President (Chemical Sciences), Prof. K. S. Rangappa, former Vice Chancellor, University of Mysore, and Prof. M. Dhaneshwar Singh, former Vice Chancellor, Manipur University and Prof. Ibadur Rahman Siddiqui, University of Allahabad on 17th March, 2018.

CSIR-CLRI wishes you a Happy Retired Life!
Hope you had an endearing career here in CSIR-CLRI.

Shri RAMACHANDRAN B
Lab Assistant
ENGINEERING SERVICES - CIVIL

Shri THANGARAJ B
Principal Technical Officer
ENGINEERING SERVICES - ELECTRICAL