

दि लेदर पोस्ट The Leather Post

सीएसआईआर-केंद्रीय चर्म अनुसंधान संस्थान
CSIR-Central Leather Research Institute



Review Meeting of CSIR Institutes in Chennai and Hyderabad



SMEP Green Tannery Initiative in Ethiopia by CSIR-CLRI

Director's Message

Greetings and Namaskar to the Stakeholders of the leather sector



Dr P Thanikaivelan
Director, CSIR-CLRI

लेदर पोस्ट के प्रिय पाठको,
सीएसआईआर-केंद्रीय चर्म अनुसंधान संस्थान दशकों से चर्म उद्योग की सेवा कर रहा है। मुझे इस ऐतिहासिक संस्थान का नेतृत्व संभालने का सौभाग्य मिला, जो मुझे डॉ. के. जे. श्रीराम जैसे एक उत्साही और समर्पित प्रमुख से प्राप्त हुआ। मैं इस महान संस्थान के सभी पूर्व निदेशकों के प्रति अपनी हार्दिक कृतज्ञता व्यक्त करना चाहता हूँ। उनमें से प्रत्येक ने सीएसआईआर के विकास पर एक अमिट छाप छोड़ी है-शुरुआती वर्षों में चर्म अनुसंधान में वैज्ञानिक नेतृत्व स्थापित करने से लेकर, नवाचार

संधारणीयता और प्रौद्योगिकी विकास के लिए एक विश्व स्तर पर मान्यता प्राप्त केंद्र के रूप में इसके रूपांतरण तक। मुझे आशा है कि मैं वैज्ञानिक उत्कृष्टता और चर्म क्षेत्र की सेवा की संस्थान की मजबूत विरासत को जारी रखूंगा, और साथ ही संधारणीय प्रौद्योगिकियों, उद्योग विकास और सामाजिक प्रभाव में अपने योगदान के माध्यम से उद्योग और शिक्षा जगत के साथ साझेदारी को और मजबूत करूंगा। इस प्रतिष्ठित 'द लेदर पोस्ट' संवाद पत्र के प्रधान संपादक के रूप में अपनी नई भूमिका में, मुझे आशा है कि मैं अपनी नई प्रौद्योगिकियों, सेवाओं, प्रशिक्षण कार्यक्रमों और अन्य गतिविधियों को साझा करके उद्योग और समाज के साथ जुड़ूंगा।

CSIR-Central Leather Research Institute has been serving the leather industry for decades. I was privileged to assume the leadership of this historic institution from the hands of Dr. K. J. Sreeram, a passionate and dedicated leader. I wish to place on record my heartfelt gratitude to all the past Directors of this great institution. Each of them has left an indelible mark on CLRI's evolution, from its formative years of establishing scientific leadership in leather research, to its transformation into a globally recognized center for innovation, sustainability, and technology development. I hope to continue the institute's strong legacy of scientific excellence and service to the leather sector, while further strengthening the partnerships with industry and academia through our contributions to sustainable technologies, industry development, and societal impact. In my new role as Editor-in-Chief of this prestigious The Leather Post newsletter, I hope to engage with the industry and society by sharing our new technologies, services, training programs, and other activities.

Thank you, and Jai Hind!

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Chitosan-Based Nanocomposite as Photocatalyst and Antibacterial Agent

Biopolymeric materials are considered for their potential applications as catalytic material for degrading industrial dyes and as antibacterial & packaging materials. These biopolymers have various advantages, such as biodegradability, biocompatibility, and environmental friendliness, and can also be employed for drug delivery. Among biopolymers, chitosan, a polysaccharide-based biopolymer obtained from the deacetylation of chitin, has generated interest for its diversified usage. They have good film-forming properties and antibacterial activity. However, the restricted water solubility and poor mechanical properties of chitosan limit its applications. To overcome these limitations, chitosan can be blended with other polymers to improve its desirable qualities and increase the range of its uses.

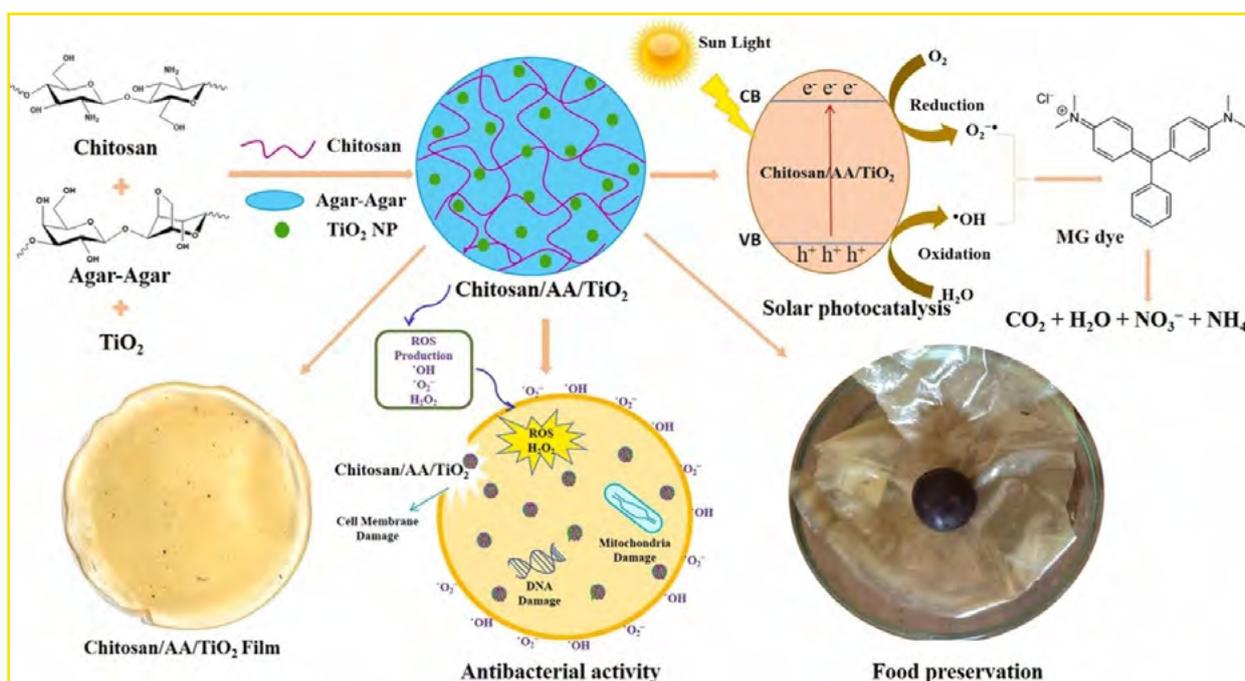
In this context, the researchers at CSIR-CLRI have synthesised biopolymer composite films of chitosan-agar-agar with varying concentrations of Titanium Oxide (TiO₂). The morphological study of the synthesised nanocomposite showed the uniform dispersion of TiO₂ particles. The synthesised materials were also studied for their antibacterial and photocatalytic activities. The photocatalytic activity of the synthesised nanocomposite films was evaluated

through the degradation of malachite green dye in aqueous solution. Malachite Green (MG) is widely used for fabric dyeing and in aquaculture as an antifungal and antiparasitic agent. However, its high toxicity and environmental persistence make it a major pollutant. The degradation efficiency was around 85% depending on the TiO₂ concentration in the nanocomposites. This nanocomposite film showed good antibacterial activity against *E. coli*, *S. aureus*, *Pseudomonas* sps, and *Klebsiella* sps bacteria. Furthermore, the synthesised nanocomposite film has food-preservation efficiency, by significantly increasing the shelf life of grapes up to 10 days. It is concluded that the developed biopolymer-based nanocomposite films can act as efficient solar light-responsive photocatalysts, antibacterial, and food preservative agents.

Murugan Sutharsan, Krishnan Senthil Murugan, Thillai Sivakumar Natarajan, Kanagaraj Narayanan.

Chitosan/agar-agar/TiO₂ biopolymer nanocomposite film for solar photocatalysis, antibacterial activity, and food preservation applications

Next Materials, 9 (2025), 101225.
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December 2025

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Director Addresses Staff and Research Scholars of CSIR-CLRI

Dr. P. Thanikaivelan, on assumption of charge as Director, CSIR-CLRI, addressed the Employees and Research Scholars on 1 December 2025 at the Triple Helix Auditorium. While acknowledging the contributions of past Directors, he emphasised the need for the ease of functioning, and sought full staff support to enhance Institute's impact. He further emphasized the importance of working together to make CSIR-CLRI not only a leader in leather research but also a model institution in translating science for the benefit of society and industry.



SMEP Green Tannery Initiative in Ethiopia by CSIR-CLRI

CSIR-CLRI conducted a two-day demonstration event, part of the Sustainable Manufacturing and Environmental Pollution (SMEP) Green Tannery Initiative in Ethiopia, held on 4-5 December 2025. The event focused on transforming tannery waste into valuable resources. The SMEP program is funded by the UK International Development and delivered in partnership with the UN Trade and Development (UNCTAD).

In collaboration with esteemed partners, including Leather and Leather Products Industry Research and Development Center (LLPIRDC) MIDI-LLPIRDC and United Nations Industrial Development Organization (UNIDO). CSIR-CLRI hosted about 35 participants from tanneries in Ethiopia to showcase innovative waste utilization technologies.

DAY 1: Hair Waste Utilization

A new pilot facility was unveiled, and a demonstration on how hair waste can be transformed into keratin hydrolysate for agricultural use was showcased.

DAY 2: Fleshing Waste Utilization

Demonstration on fleshing waste utilization, where participants witnessed the creation of useful by-products: lime sludge and organic hydrolysate.

Experts from CSIR-CLRI are briefing on the technology for the utilization of hair and fleshing wastes. All the participants in this event received certificates of participation.





Samsung Galaxy A16 5G



Stakeholders' Meeting of SMEP Green Tannery Initiative Project: Ethiopia

A Stakeholders' Meeting for the Sustainable Manufacturing and Environmental Pollution (SMEP) Program's Green Tannery Initiative Project was held on 6 December 2025 in Ethiopia. Industry leaders and technical experts discussed various project achievements, including the successful introduction of cleaner, enzymatic processes to replace traditional chemical methods, and the transformation of waste products (such as hair and fleshing) into valuable resources.

Indian Ambassador to Ethiopia and Permanent

Representative to the African Union, Shri Anil Kumar Rai, was the Guest of Honour. Hosted as a collaborative effort involving CSIR-CLRI India, LLPIRDC, South North (SSN), UNIDO, and the Ethiopian Ministry of Industry, the partnership between Ethiopia and India is creating a powerful blueprint for the sustainability of leather industries. Dynamic panel discussions featured experts from SSN, UNCTAD, UNIDO, EPA-Oromia, ELICO, COLBA, ADDIS ABABA, and various tanneries, exploring strategies to disseminate these green technologies more broadly across Ethiopia.



“CSIR- SMART Village” Mission Mode Project

at CSIR-CLRI

CSIR-CLRI conducted an initial need assessment at Sawaipura Village, Rajasthan, on 10 December 2025. This activity is part of the CSIR SMART Village Mission Mode Project. The objective of the project is to transform rural livelihoods by implementing indigenous technologies developed at CSIR institutes. The project focuses on making remote villages self reliant and

developing them into model Smart Villages.

The key focus of this project is on Smart Village Development, Community Engagement, and Technology Deployment. The initiative is aligned with the Prime Minister’s vision of Viksit Bharat 2047 and is supported by the Rajasthan Government.



Review Meeting of CSIR Institutes in Chennai and Hyderabad

On 26 December 2025, a meeting was convened in Tirupati, Andhra Pradesh, to review the functioning of all CSIR institutes based in Chennai and Hyderabad.

Chemical Technology (IICT), Hyderabad — made presentations about the ongoing projects at each of the labs.

Directors of CSIR laboratories- CSIR-Central Electrochemical Research Institute (CECRI), Karaikudi; CSIR-National Geophysical Research Institute (NGRI), Hyderabad; CSIR-Central Leather Research Institute (CLRI), Chennai; CSIR-Structural Engineering Research Centre (SERC), Chennai; CSIR-Centre for Cellular and Molecular Biology (CCMB), Hyderabad; and CSIR-Indian Institute of

During the meet, it was emphasised that a reinforced focus needs to be made against the backdrop of the sustained impetus provided by the Government to strengthen the country’s scientific and innovation ecosystem. It is also important to focus on the acceleration of technology transfer to upscale India’s industrial engagement.



Awareness Programme for Life Wellness

CSIR-CLRI organized a special programme on “Awareness for Life Wellness” for its employees on 11 December 2025. The initiative aimed to promote overall health awareness and encourage employees to adopt lifestyle practices that support long-term well-being.

As part of the program, Dr. Karthik Nagaraju, Chest Physician, delivered an insightful talk on “Understanding Respiratory Allergies.” He highlighted

the growing prevalence of respiratory allergies due to environmental factors, workplace exposure, and lifestyle patterns.

Staff and researchers actively participated and engaged in discussions to better understand how to safeguard their respiratory health. The session concluded with a call to integrate wellness practices into daily routines to foster a healthier, more productive work environment.



Awareness Program on Sexual Harassment Prevention Week at CSIR–CLRI

Creating safer, more respectful workplaces begins with awareness and action. As part of Sexual Harassment Prevention Week, CSIR–CLRI organized two awareness programs. The POSH Awareness Quiz Program was organised on 16 December 2025, and the POSH Awareness Skit was organized on 17 December 2025. Both programs aimed to enhance understanding of the Prevention of Sexual Harassment (POSH) framework and to promote a culture of dignity and respect in the workplace. Staff members and students participated enthusiastically, making the events engaging and impactful at CSIR–CLRI. Further, the program aimed to enhance understanding, promote sensitivity, and reinforce institutional commitment toward a safe and respectful work environment.

The **POSH Awareness Quiz Program** featured both preliminary and final rounds, with 15 teams of 3 members each participating. Concept-based questions on key provisions of the POSH Act, relevant articles and legal frameworks, important helpline numbers, types of sexual harassment, redressal mechanisms, and types of punishments and disciplinary actions were covered. The objective of the program is to reinforce awareness of legal provisions, ensure that employees/students understand reporting mechanisms, and promote active engagement with workplace safety policies.

The theme of the **POSH Awareness Skit Presentation** was “*Prevention of Sexual Harassment at Workplace*”

– *Real-Life Situational Awareness and Solutions*”. Three workplace environments were selected to reflect diverse professional settings: Office, Hospital,



and Educational Institution. In the skit, various key elements like verbal harassment, non-verbal harassment, physical misconduct, inappropriate digital communication, abuse of authority, and power dynamics in professional settings were depicted. Further, power dynamics in professional settings, reporting procedures, the role of the Internal Complaints Committee (ICC), and preventive strategies and corrective measures were also highlighted. The skit effectively demonstrated how harassment may manifest differently across sectors, the importance of awareness and early reporting, institutional mechanisms available for grievance redressal, and practical solutions and behavioural expectations.



Training Program on Design and Modern Concepts of Kolhapur Footwear

The First batch training Program on design and modern concepts of Kolhapur footwear, which commenced on 24 November 2025 was concluded on 6 December 2025. The artisans who have successfully completed the training program received certificate of participation. This activity was organized by CSIR-CLRI with the Support of Kalapuri Foundation, Kolhapur, Maharashtra. Kalapuri Foundation empowers female artisans by providing them with fair trade opportunities and sustainable livelihoods, helping to alleviate poverty and improve their economic well – being.

The second batch of the training Program on design and modern concepts of Kolhapur footwear commenced on Monday, 15 December 2025 and concluded on 28 December 2025. The

basic methods using machines were imparted to the Kolhapur artisans to get them equipped to manufacture footwear with high-quality parameters for better marketing opportunities for creating vibrancy and prominence.



Inauguration of National Centre of Excellence (NCoE-GF) for Green Firecrackers

DG-CSIR Dr. N. Kalaiselvi inaugurated CSIR-NEERI as the National Centre of Excellence (NCoE-GF) and CSIR-CECRI as the Centre of Excellence (CoE-GF) for Green Firecrackers. The event, held virtually, was attended by CSIR leaders including Dr. S. Venkata Mohan, Dr. K. Ramesha, Dr. P. Thanikaivelan, Dr. K. J. Sreeram, Dr. Alok Paul, Dr. R. J. Krupadam, Dr. R. Sivacoumar and Mr. Ganesan (TANFAMA).

DG, CSIR congratulated the teams for establishing NCoE-GF and CoE-GF, emphasising Sivakasi's firecracker industry, certification support, and societal & environmental benefits. She urged scientists to develop six new green firecracker varieties, customise celebrations, and explore programmable versions using AI/ML. She highlighted that green firecrackers have given a unique USP to CSIR-NEERI through science and technology, recognised even by the Hon'ble Supreme Court. She added that it is the

right time for CSIR-NEERI to collaborate with CSIR-CECRI and other CSIR institutes to introduce green firecrackers to every corner of the country, benefiting both society and the environment.

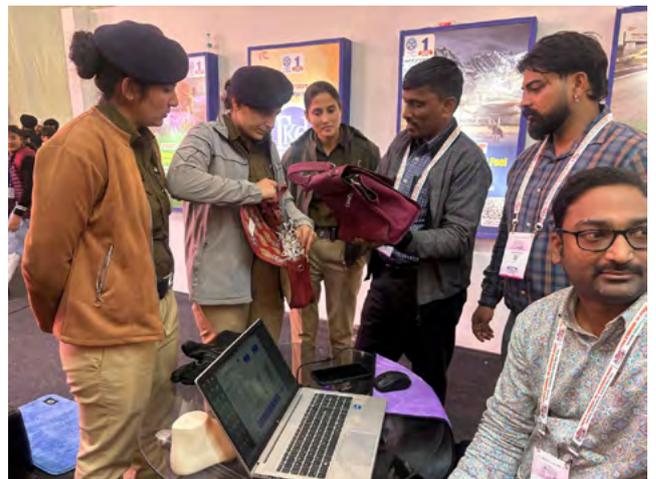
Dr. S. Venkata Mohan highlighted CSIR-NEERI's research and hub-and-spoke model for industry support. Dr. K. Ramesha emphasized the importance of collaboration with CSIR-CECRI for innovation and societal benefits. Dr. K. J. Sreeram noted impactful results arise from science, innovation, and collaboration, while Dr. P. Thanikaivelan called the program crucial for the country.

Standard Operating Procedures (SOPs) for NCoE-GF and CoE-GF were released, and Dr. R. J. Krupadam gave an overview of the NCoE-GF and CoE-GF. Dr. Alok Paul conducted proceedings, and Dr. R. Sivacoumar proposed the vote of thanks.



CSIR-CLRI at India International Science Festival 2025 (IISF 2025)

The CSIR-CLRI showcased various leather products and other technologies at the CSIR Pavilion during the India International Science Festival (IISF) 2025, held in Chandigarh from 6 – 9 December 2025. Dr. Jitendra Singh, Union Minister for Science & Technology and Earth Sciences, and Dr. (Mrs.) N. Kalaiselvi, Director General, CSIR, visited the CLRI stall along with visitors from industry, academia, and R&D institutions. The Footwear Sizing System (BHA) and various value-added leather products drew particular attention at the event.



All-India Official Language Scientific Seminar

The National Institute of Ocean Technology (NIOT), Chennai, organized an All-India Official Language Scientific Seminar on 18–19 December 2025, under the theme “*Exploration of Marine Resources and Technology Development.*” At the seminar, Dr. Bindia Sahu, Principal Scientist from the CSIR-Central Leather Research Institute, delivered an insightful presentation titled “*Blue Technology for Leather Technology? Yes, Yet Again!*” highlighting how the Blue Economy can intersect with leather technology through science and sustainability. Her talk showcased a paradigm-shifting approach where microalgae-derived oils from *Chlorella*

vulgaris are utilized for bio-based fatliquoring, a critical process that imparts softness, durability, and flexibility to leather. Traditionally, fatliquoring depends on high-value animal, marine, or plant oils, often competing with human nutritional needs. This innovative research instead leverages upcycled, lipid-rich microalgae biomass, offering a green, circular, and marine-linked alternative. By transforming waste into value, this approach exemplifies how sustainable marine resources can drive innovation in leather technology, reinforcing the role of science in building a more resilient and eco-friendly future.



Viksit Gaon; Viksit Bharat: CSIR SMART Village Program

The CSIR SMART Village program, with the theme *Viksit Gaon: Viksit Bharat*, was launched on 20 December 2025 at Sawaipura Village in Pali District, Rajasthan. CSIR-CLRI is one of the 14 participating laboratories of CSIR in this program of national importance. The aim of the program is to provide various technologies from the participating labs to augment sustainable infrastructure in the villages. Providing modern technologies, access to resources, and to enabling them to adapt to challenges through technological integration.



Bajpai-Saha Student Award

Ms. Nivethitha P M, a Student of Dr. T. S. Uma, Scientist-F won the prestigious Bajpai-Saha Student award for the best student oral paper presentation at Biomanthan International Conference, organized by the Society for Biomaterials and Artificial Organs India (SBAOI) and the Society for Tissue Engineering and Regenerative Medicine India (STERMI) at IIT Ropar, Punjab, during 4-7 December 2025.



Best Glass Blower Award

Mr. V. Loganathan, Technician, CSIR-CLRI, was presented with the Best Glass Blower Award – Third Prize, at the National Glass Blowing Competition conducted in the 21st National Seminar on ‘Scientific Glass Blowing and Recent Advances in Glass Technology’ held in IIT Madras on 27 November 2025.



Scientists from CSIR-CLRI Visit the Embassy of India in Addis Ababa

A team of scientists from CSIR-CLRI - Dr. P. Saravanan, Dr. B. Madhan, Dr. N. Nishad, Dr. Suresh, Dr. Shakila Shobana, and Dr. P. Ganesan - visited the Embassy of India in Addis Ababa on 27 November 2025.

During their meeting with H.E. Shri Anil Kumar Rai, the Indian Ambassador to Ethiopia and Permanent Representative to the African Union, the team briefed him on the excellent progress of our ongoing collaborative projects in Ethiopia.

The success of these initiatives is strengthening ties between our nations and also empowering the Ethiopian leather industry through Science and Technology. Further, great strides are being made in capacity building and industry services.



Visit of CSIR-CLRI Team on SMART Village Project in Odisha

About Dr. Malathy Jawahar, Sr. Principal Scientist, and Dr. M. Sathish, Sr. Scientist, had a meeting with Shri Suresh Kumar Vashishth, IAS, Principal Secretary, Fisheries and Animal Husbandry Development Board, Gov. of Odisha, and Shri Subrat Dash, M. F. Sc., Additional Director, Directorate of Fisheries, Gov. of Odisha on 19 December 2025. During the meeting, the CSIR-CLRI team briefed them on the mission of the SMART Village Project, which is to be implemented in Odisha.

The team also visited M/s Gurukrupa Chicks to Chicken Pvt. Ltd., the largest chicken processing plant in Bhubaneswar on 19 December 2025 and interacted with officials from M/s Falcon Marine Exports Limited & M/s B-One Business House Pvt. Ltd. During the discussion was decided to explore the possibility of creating of a raw material supply chain (fish skin and chicken feet skin) in connection with the CSIR-SMART Village Project.



Visit of Vice Chancellor of Harcourt Butler Technical University (HBTU)

The Vice Chancellor of Harcourt Butler Technical University (HBTU), Kanpur, Prof. Shamsher, along with a delegation from the Department of Leather & Fashion Technology, visited the CSIR-CLRI Testing Laboratory located at the KLC Complex, Banthar (Unnao), Uttar Pradesh on 26 December 2025.

During the visit, a comprehensive overview of the laboratory's advanced mechanical and chemical testing capabilities for leather and leather products was presented. The delegation explored the state-of-the-art facilities and engaged in detailed discussions with the CSIR-CLRI team regarding ongoing research methodologies and testing protocols.

A key highlight of the visit was the dialogue on potential collaboration between HBTU and CSIR-CLRI in the domains of academics and research. Both institutions expressed a shared interest in fostering innovation, skill development, and industry-academia partnerships to advance the leather and fashion technology sector.



Visit of CSIR-CLRI Team to Kusunapur Village, Odisha

In connection with the CSIR-SMART Village Project, a team of scientists from CSIR-CLRI visited Kusunapur Village, Kendrapara District, Odisha, on 19 December 2025. During the visit, the team outlined the project's mission and educated the local community about the various interventions to be implemented by CSIR-CLRI. These interventions are designed to foster sustainable development, empower artisans, and strengthen livelihood opportunities in the village, aligning with CSIR's vision of science-enabled innovation and rural transformation.



Visit of School Students from Kerala to CSIR-CLRI

About 100 Higher Secondary students and 12 teachers participating in the Exploring Camp for Higher Secondary Students, organised by the Directorate of Minority Welfare, Government of Kerala, visited the CSIR-CLRI.

During the visit, the students interacted with scientists who provided insights into various career opportunities and higher education pathways in leather science and allied disciplines. The participants were introduced to leather processing technologies and leather products, wastewater treatment systems, bioinformatics techniques, the Centre for Advanced Testing, Evaluation, and Research Services (CATERS), skill development and training facilities, and collagen research and its healthcare applications.

During the feedback session, both students and teachers expressed that the visit was highly informative and beneficial. The exposure significantly enhanced their understanding of higher education options and career prospects in science and research-oriented fields. The interaction motivated the students to explore advanced studies and professional opportunities in research and technology-driven disciplines.



Nursing students from CSI Kalyani College visit CSIR-CLRI

About 38 B.Sc. Nursing students and two faculty members from CSI Kalyani College of Nursing in Chennai visited a CSIR-CLRI healthcare facility on 17 December 2025. During the visit, the students engaged in discussions with scientists and staff to explore opportunities and facilities related to healthcare services and collagen-based research at the Institute.



Training Program on CAD for Garment Design at CSIR-CLRI

A one-month training Program on “CAD for Garment Design” was conducted at the Shoe & Product Design and Development Centre (SPPDC), CSIR-CLRI, from 3 November to 3 December 2025. The training was designed to suit the requirements of two participants

The training covered key modules, including

- ◆ Pattern Digitization,
- ◆ Pattern Design,
- ◆ Grading,
- ◆ Order Processing,
- ◆ Marker Making,
- ◆ Pattern Plotting, and
- ◆ Pattern Conversion Tools.

Upon successful completion of the course, certificates were awarded to the participants.



Activities at CLRI Regional Centre, Jalandhar

Hindi Workshop on the topic “Raj Language Policy.”

The CLRI Regional Centre organized a Hindi Workshop on the topic “Raj Language Policy” on 31 December 2025. Mrs. Sushma Gupta, Senior Retired Hindi Officer and Assistant Director of Doordarshan Kendra located in Jalandhar, was the resource person

for the workshop. During the workshop, students and staff at the Regional Centre interacted and clarified the rules, regulations, and implementation of the Raj language policy.



Happy Retirement



Dr. Mathivanan S
Chief Scientist
Shoe & Product Design and
Development Centre (SPDDC)



Shri Jaishankar K
Lab Assistant
Knowledge Resource Centre (KRC)

The Director and Staff wish them a happy and healthy retired life

CSIR-Central Leather Research Institute



(CSIR Integrated Skill Initiative Training Programme)

CSIR-CLRI announces the commencement of the following placement oriented courses

Leather Processing

- ◆ Post Graduate Diploma Programme in Leather Technology
- ◆ Diploma in Leather Processing
- ◆ Short Term Executive Skill Development Programme in Leather Processing
- ◆ Integrated Skill Development on Quality Control Methods in Leather Manufacture
- ◆ Computerized colour Matching for Leather manufacturing

Leather and Leather products

- ◆ Post Graduate Diploma Programme in Leather Products Technology
- ◆ Quality and Visual Inspection of Leather and Leather Products
- ◆ Skill Training Programme in Leather and Leather-like materials for Emerging Entrepreneurs
- ◆ Short Term Executive Skill Development Programme in Leather Upholstery Manufacture
- ◆ Course in Fashion Design and Development for Leather Lifestyle Products

Leather Goods and Garments

- ◆ Diploma in Leather Goods Manufacture
- ◆ Short Term Executive Skill Development Programme in Leather Goods Manufacture
- ◆ Training Programme in Leather Goods Design (Manual and CAD)
- ◆ Diploma in Leather Garment Manufacture
- ◆ Short Term Executive Skill Development Programme in Leather Garments manufacture
- ◆ CAD for Garments

Allied Science courses

- ◆ Bioinformatics Associate/Analyst
- ◆ Quality Control Chemist – Microbiology
- ◆ QA Chemist Equipment Validation - Life Sciences
- ◆ Nuclear Magnetic Resonance (NMR) Spectroscopy Analyst
- ◆ Quality Assurance Chemist
- ◆ Leather Biotechnologist
- ◆ Enzyme Technologist
- ◆ Structural Analytical Technologist
- ◆ rDNA Technologist

Leather Allied Sectors

- ◆ Short Term Executive Training Programme on Occupational Health and Safety for Leather and Allied (Product) Industries
- ◆ Short Term Executive Training Programme on Testing and Calibration for Leather Sector
- ◆ Repair, restore and maintenance of leather products
- ◆ Short Term Executive Training Programme on Waste Management for

Footwear

- ◆ Diploma in Footwear Manufacture
- ◆ Short Term Executive Skill Development Programme in Footwear manufacture
- ◆ Training programme in GAIT Analysis
- ◆ CAD for Footwear

Please visit <https://clri.org/training.aspx> for online / offline submission of duly filled in application

For more info:

Website : <https://clri.org/training.aspx>

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