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दि लेदर पोस्ट
The Leather Post

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

CSIR-CLRI celebrated the 77th Republic Day

International workshop on Circular Economy in Leather and Leather Products

Director's Message

Greetings and Namaskar to the Stakeholders of the leather sector

Dr P Thanikaivelan
Director, CSIR-CLRI

द लेदर पोस्ट के नववर्ष के संस्करण में आपका स्वागत है!
जैसे ही हम नववर्ष में कदम रखते हैं, हम अपने प्रयासों में निरंतर प्रगति और सफलता की उम्मीद करते हैं। यह संस्करण आपके लिए हाल के नवाचारों, उद्योग और छात्रों के साथ जुड़ाव, अंतरराष्ट्रीय कार्यशाला और सीएलई और एलएसएससी में प्रमुख नेतृत्व परिवर्तनों पर अपडेट लेकर आया है। एनएएम एस एंड टी सेंटर के साथ साझेदारी में आयोजित "चर्म और चर्म उत्पाद उद्योगों में चक्रीय अर्थव्यवस्था" पर एक अंतरराष्ट्रीय कार्यशाला ने हितधारकों के बीच महत्वपूर्ण रुचि पैदा की। हम आपको नवीनतम विकास और गतिविधियों पर अपडेट रहने के लिए इस संस्करण को पढ़ने के लिए आग्रह करते हैं।

आपको पढ़ने का आनंद मिले, और आपका नववर्ष उज्ज्वल और समृद्ध हो!

Welcome to the New Year edition of *The Leather Post*!!

As we step into the New Year, we look forward to continued progress and success in our endeavours. This edition brings you updates on recent innovations, engagements with industry and students, an international workshop, and key leadership changes in CLE and LSSC. An International Workshop on "***Circular Economy in Leather and Leather Product Industries***", organized in partnership with the NAM S&T Centre, generated significant interest among stakeholders. We invite you to browse through this edition to stay updated on the latest developments and activities.

Wishing you an enjoyable read and a bright and prosperous New Year!

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Waste-borne PU composites into Water-borne PU emulsions – A rare reincarnation-cum-upcycling of PUs!

Polyurethanes (PU) are linear polymer products of di-isocyanates and poly-ols, thus with carbamate (—NH—COO—) back-bones. PU constitutes ~8% of plastics production & is the 6th most used polymer globally. Its market is slated to be $108 billion by 2029. Since first proposed in 1947, they are literally everywhere (cars, shoes, furnishings etc.,) and everything (hard or soft, flexible or rigid, light weight or gel-like) today!

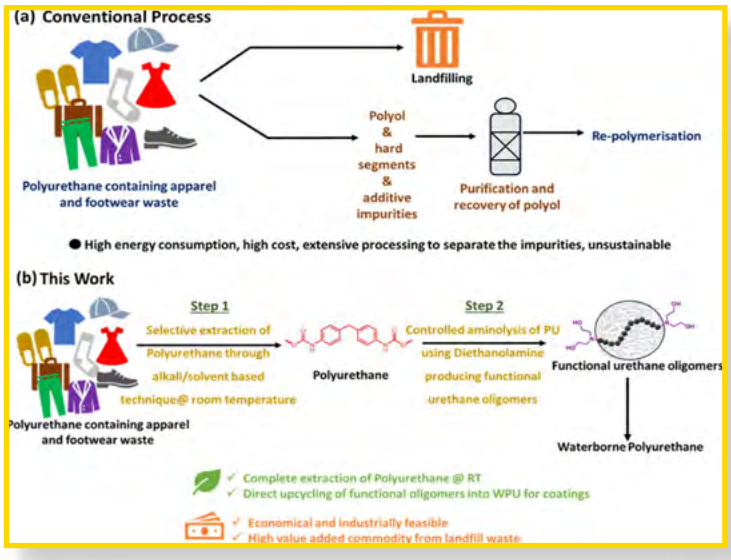
PU comes as both thermoplastic and thermoset. The thermoset PU seem to have no death or rebirth i.e., they are non-recyclable in general unlike thermoplastics. Whereas PU synthesis takes just a tiny amount of moisture, creating enough pressure to deform a steel drum or turn it into a projectile, the end-of-use / end-of-life of PU is simply sluggish, unsustainable and so linear economy-ridden. This is because the thermosetting PUs are formed by irreversible curing reactions leading to crosslinked covalent networks and thus are gifted with superior dimensional stability, chemical resistance, and mechanical performance. As a result, the PUs are both insoluble and infusible, making conventional re-melting, reshaping or dissolution impossible.

The paradoxical performance edge and end-of-use / end-of-life risks make PUs especially problematic in the context of a circular economy. Their disposal both through landfill and incineration simply wastes valuable carbon resources not without toxic emissions. Therefore, overcoming the recycling challenges of thermosetting PUs is both a scientific challenge and a matter of life and death! At this juncture, a team of researchers at CSIR-CLRI proposes a strategy for the selective separation of polyurethane (PU) from various multilayered waste materials, including elastane PU/PET, laminated foam, and coated textiles based on controlled aminolysis leading to functional oligomers, in turn upcycling the same into waterborne PU emulsions. In fact, the upcycled PU emulsions have been applied on leathers as coating that produced results akin to conventional PU coats. This work stands out from the other PU upcycling researches by: i. Keeping the process conditions sustainable, not trialling with the extremes; ii. Setting a reasonable objective for the process i.e., getting the oligomeric strands of PU instead of the 'last-mile' monomers for lateral upcycling pathways! To quote Einstein: 'No problem can be solved from the same level of consciousness that created it'. What a timeless statement, especially in the wake of polymeric justice, as is done in the above work and for all sustainability goals in the unsustainably built ecosystems!

Meenakshisundaram Vaishali & Kalarical Janardhanan Sreeram

Controlled aminolysis of multilayer polyurethane composites for sustainable upcycling into waterborne polyurethane emulsions

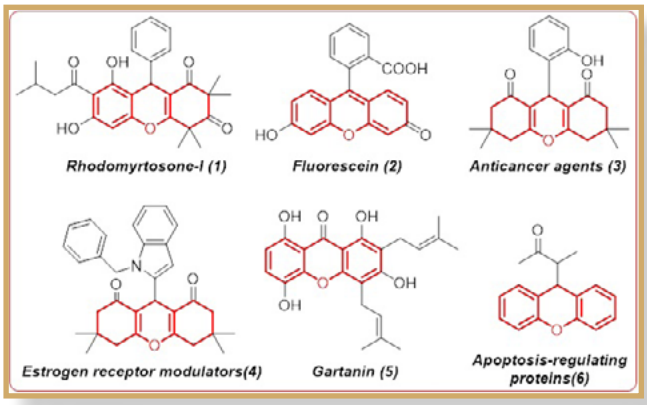
Journal of Materials Chemistry A (The RSC), 2025, 13, 38194–38208;
DOI:10.1039/d5ta05214a



Organocatalytic Synthesis of Xanthene Dione Derivatives

The emphasis on environmentally responsible synthesis has led to a surge in methods that avoid hazardous reagents. Among various approaches, use of water as a solvent offers significant advantages due to its safety, low cost, and minimal environmental footprint. Nevertheless, many protocols still rely on organic solvents, elevated temperatures, or complex catalytic systems, underscoring the need for simpler and greener alternatives. In parallel, pseudo-multicomponent reactions (pseudo-MCRs) have emerged as powerful tools for the construction of complex molecules. Their ability to streamline synthesis with minimal purification makes them attractive for heterocycle construction. Among the many heterocyclic systems accessible by pseudo-MCRs, 1,8-dioxo-octahydroxanthenes remain prominent due to their antibacterial, antidepressants, antiviral, anticancer, anti-plasmodial and anti-inflammatory properties. These frameworks not only exhibit broad pharmacological potential but are also utilized in fluorescent sensing, pH-responsive materials, agrochemicals, corrosion inhibitors, and in photodynamic therapy.

Several xanthene-based frameworks are embedded within pharmacologically active molecules. The structural diversity and biological potential of these molecules continue to motivate the development of efficient and sustainable methods for accessing functionalized xanthene derivatives.



Researchers at CSIR-CLRI have developed a mild, water-mediated protocol for the synthesis of both uncyclized and cyclized 1,8-dioxo-octahydroxanthene derivatives under ambient conditions. Utilizing cyclic-1,3-dicarbonyl compounds and structurally diverse aromatic or heteroaromatic aldehydes, the transformation proceeds efficiently with cyanuric chloride (TCT) as a green organocatalyst. The reaction conditions are finely tunable, allowing selective access

to either uncyclized intermediates or cyclized products by adjusting time and temperature. This protocol also demonstrates excellent compatibility with isatin derivatives, yielding spirooxindolo xanthenedione frameworks in high yields. The synthetic protocol demonstrated broad substrate compatibility, excellent functional group tolerance, and high yields across a range of aromatic and heteroaromatic aldehydes. The synthesized compounds are characterized by using spectroscopic techniques, such as 1H, 13C, and mass spectroscopy.

Pooja Sivaganesan, Ghanashyam Sivaprasad, Diksha Bansal, Mrinal Kanti Das, Saikat Chaudhuri

A Practical and Scalable Synthesis of Cyclized and Uncyclized Xanthene-1,8-Dione Derivatives Using Cyanuric Chloride as a Green Organocatalyst,

European Journal of Organic Chemistry, 2026, 28, Issue 45, 10 December 2025, e202500921
https://doi.org/10.1002/ejoc.202500921

Publications from CSIR-CLRI

January 2026

1	Ali, MA; Javaid, A.; Muvva, C; Murugan, NA; Srivastava, V, Consensus scoring-guided virtual screening identifies potent anti-saprolegniasis compounds targeting a P450 fusion protein, Frontiers in Microbiology, 2026, 16,10.3389/fmicb.2025.1723326
2	Akilandeswari, G; Ayyadurai, N, Multifunctional Collagen-Like Protein as a Gene Therapy Vehicle for Biomedical Applications, Cell Biochemistry and Function, 2026, 44 (1), 10.1002/cbf.70154
3	Sujiritha, PB; Ramesh, KPM; Mannankatti, R; Vikash, VL; Ponesakki, G; Kamini, NR, Valorization of tannery fleshing waste into nitrogen source for sustainable production of microbial enzymes, 3 Biotech, 2026, 16 (2), 10.1007/s13205-025-04684-w
4	Indhu, M; Sisila, V; Jayasurya, D; Ayyadurai, N, Catechol-linker and receptor-mediated site-specific delivery of bortezomib against non-small cell lung cancer, Journal of Biological Chemistry, 2026, 302 (2), 10.1016/j.jbc.2025.111095

Mr. Sanjay Leekha takes charge as Chairman, LSSC

During LSSC's 36th Governing Council Meeting, held on 2 January 2026, Shri Mukhtarul Amin demitted the charge of Chairman, The Leather Sector Skill Council (LSSC). Mr. Sanjay Leekha, Managing Director of Alpine Apparels Private Limited, assumed the post of Chairman, LSSC. Shri. P R Aqeel Ahmed, former Chairman, LSSC, along with other dignitaries, were present during the occasion.

Technology Developed

SILK-COLLAGEN MEDICAL GEL DESIGNED BY CSIR-CLRI

We often think of silk as a luxury textile, but scientists at CSIR-CLRI have identified its hidden potential to save lives! They developed an innovative Silk-Collagen Medical Gel on 17 January 2026, specifically designed to treat chronic and hard-to-heal wounds. It reduces pain, aids skin growth, and makes wound care accessible for everyone. From textiles to pharmacy, yet another example of CSIR innovation!

Agreement

Consultancy Agreement between M/s. Appasamy Ocular Devices Pvt Ltd, Puducherry

CSIR-CLRI signed a consultancy agreement with M/s. Appasamy Ocular Devices Pvt Ltd, Puducherry, in connection with "*Characterization of Raw Materials and End Properties of UV-cured Hydrophobic Intraocular Lens (IOL)*" on 28 January 2025.

DG, CSIR New Year Address

On the occasion of the New Year 2026, Dr. (Mrs.) N. Kalaiselvi, Director General, CSIR addressed the members of the CSIR family in a hybrid mode. The online telecast of the address was arranged at the CSIR-CLRI Triple Helix Auditorium. Staff members of CSIR-CLRI, along with Research Scholars and Students, attended the event.

Following the address of the DG, CSIR, Dr. P Thanikaivelan, Director, CSIR–CLRI, addressed the staff and scholars on the occasion of the New Year. He reiterated the message of the DG, CSIR, and emphasised the legacy of the organisation in nurturing strong industry linkages. The Director conveyed his warm wishes to the entire CSIR-CLRI family for a happy, productive, and successful year ahead. Dr. B Chandrasekaran, Distinguished Scientist & former Director, CSIR-CLRI, also addressed the staff.

CSIR-CLRI and LSSC Meeting

Shri. Sanjay Leekha, Chairman, LSSC, along with Shri. Sanjay Kumar, CEO, LSSC, had a meeting with Dr. P. Thanikaivelan, Director, CSIR-CLRI, at the CLRI Campus, Chennai, to explore collaborative opportunities in design and skill development on 31 January 2026

Discussions focused on jointly establishing Design interventions in major leather clusters such as Kolkata, Jalandhar, and Kanpur, and rolling out industry-led upskilling programs.

The Director, CSIR-CLRI, shared updates on the renovation of its Chennai Design Studio and on the successful industry-funded diploma programs.

Both organizations agreed to collaborate on awareness campaigns, bridging skill gaps in clusters, and jointly mobilizing funds through government offices for the financial support of the proposals.

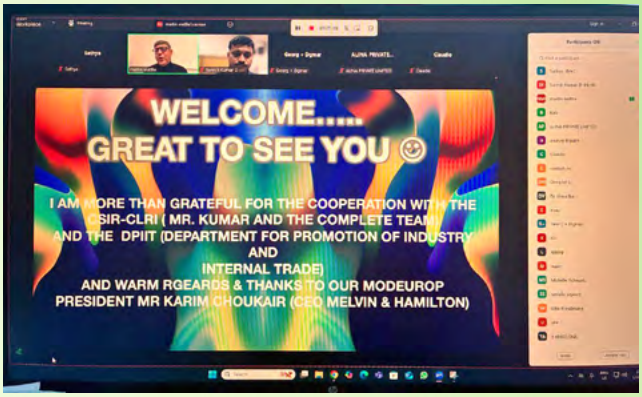
Shri Ramesh Kumar Juneja, the New Chairman of Council for Leather Exports (CLE)

Shri Ramesh Kumar Juneja took charge as the Chairman of Council for Leather Exports (CLE) on 6 January 2026 in the 184th meeting of the Committee of Administration of CLE held today. Mr. Juneja has been a board member in Council for Leather Exports (CLE) for over 15 years and has been serving as Regional Chairman (East) since 2014.

CSIR-CLRI at MODEUROP Shoe and Bag Trends for Spring Summer 2027

CSIR-CLRI, under the aegis of DPIIT and in association with ModEurop, Germany, presented the ModEurop Shoe and Bag trends for the Spring Summer 2027 season in a virtual mode on 21 January 2026.

Mr. Martin Wuttke, Co-Creative Director at ModEurop, gave a presentation at the workshop. No fee was charged for attending the workshop.



National Voters Day Pledge at CSIR-CLRI

On the occasion of National Voters Day, the employees of CSIR-CLRI participated in a pledge-taking ceremony led by the Director of the Institute on 26 January 2026. National Voters' Day (NVD) is celebrated on 25 January 25 every year to mark the foundation day of the Election Commission of India (ECI). Established in 1950, the Election Commission of India coordinates the elections in this country. The Day is celebrated to encourage, facilitate, and maximize voter enrolment, especially the new voters. Further, the Day is celebrated to spread awareness among them to promote informed participation in the electoral process. NVD is celebrated at the national, state, district, constituency, and polling booth levels, which makes it one of the largest celebrations in the country.

JIGYASA 2026

CSIR-CLRI organized the "*Scientists Visiting the School*" programme at PM Shri Kendriya Vidyalaya 2 and PM Shri Jawahar Navodaya Vidyalaya, Puducherry, on 22 January 2026. During the programme, scientists interacted closely with students and conducted a series of live, hands-on demonstrations to make science more relatable and engaging.

The demonstrations covered a wide range of topics across different areas. Through these interactive sessions, students connected textbook concepts to real-world applications, sparking curiosity and thereby strengthening their interest in science and technology. About 370 students from Class IX and XI, along with teachers, participated in the event.

CSIR-CLRI celebrated the 77th Republic Day on 26 January 2026 at the Institute. On the occasion, the Director, CSIR-CLRI, unfurled the National Flag at the Institute's Main Building. Scientists, staff, and students joined together to commemorate the spirit of the Constitution and reaffirm their commitment to the Nation.

77th Republic Day Celebrations at CLRI Regional Centres

At Jalandhar

On the occasion of the 77th Republic Day, the National flag was unfurled at the premises of CLRI Regional Centre, Jalandhar. Staff members and children enthusiastically participated in the event.

At Kanpur

On the occasion of the 77th Republic Day, the National Flag was unfurled at the Regional Centre Kanpur by the Scientist-In-Charge. The event was marked by patriotic fervour and unity. Staff members participated enthusiastically in the celebration. The ceremony reflected their collective commitment towards national pride and institutional values.

At Ahmedabad

The CLRI Regional Centre, Kolkata, proudly celebrated the 77th Republic Day with great enthusiasm. On this occasion, the National flag was unfurled at the Campus.

International workshop on
Circular Economy in Leather and Leather Products

CSIR-CLRI has organised an International Workshop on "*Circular Economy in Leather and Leather Product Industries*" in partnership with the NAM S&T Centre during 29-30 January 2026. The inaugural session commenced with an opening remark by the Chief Guest, Mr. P. S. Suresh, President, Indian Shoe Federation (ISF), Chennai, followed by an address by Guest of Honour Mr. R. Selvam, IAS, Executive Director, Council for Leather Exports, and a special address by Dr. B. Chandrasekaran, Former Director & Distinguished Scientist, CSIR-CLRI. The session also included the release of the Springer volume "*Emerging Trends in Leather Science and Technology*".

Day 1 – Technical Sessions

Day 1 – Technical Sessions of the NAM Workshop focused on "*National and International Regulations Supporting Circularity*" and "*Waste Management and Value Recovery*" in the leather sector. International experts from India, Vietnam, Palestine, and South Africa. During the workshop, shared regulatory perspectives, case studies, and innovative pathways for solid waste valorization were discussed. In addition, scientists and research scholars from CSIR-CLRI presented research findings from their studies aligned with the workshop theme of circularity in leather and leather products.

Day 2 – Technical Sessions

Day 2 - Technical Sessions of the NAM Workshop highlighted "*Circularity in Raw Material Sourcing and Processing,*" *"Technology and Innovation towards Biodegradable and Bio-based Alternatives*," and "*Future Aspects for Achieving Circularity in the Leather Sector*." Speakers from Indonesia, Kenya, Malaysia, Sri Lanka, Nigeria, and India presented on circular value chains, bio-based and biodegradable materials, digital traceability, ZLD, carbon neutrality, and AI-enabled circular solutions. Scientists and research scholars from CSIR-CLRI showcased their latest research outcomes in the area of the circular leather value chain.

Concluding session

The workshop concluded with a dedicated session to consolidate key takeaways and future directions for circular economy practices in the global leather and leather products industries. Participants collectively adopted the "*Chennai Resolution on Circular Economy in Leather and Leather Product Industries*," followed by feedback from delegates, certificate distribution, and closing remarks by Dr. Amitava Bandopadhyay, Director General, Centre for Science & Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre), Dr. P. Thanikaivelan, Director, CSIR-CLRI reaffirming the commitment of CSIR-CLRI, NAM S&T Centre, and partners to advance sustainable and circular innovations in the leather sector.

Academic Research Office

Congratulations to all the research scholars who have completed their Doctoral Degree Program in 2025

Name of the Researcher	Title of the doctoral work	Supervisor and Department	Affiliation
 Ms. Grace Feliciya SJ	Fabrication of Layered Double Hydroxides (LDH) Reinforced Bone Matrix as a Potential Bone Implant	Dr. T. S. Uma Biological Materials Laboratory	Anna University
 Mr. Nagabalaji V	Assimilation of nutrients from ammoniacal nitrogen rich wastewater streams using bacteria and microalgae integrated with bio-energy generation	Dr. S.V. Srinivasan Environmental Engineering	AcSIR
 Mrs. Punam Kumari	Studies on the efficacy of plant mucilage-reinforced collagen biomaterials for soft tissue engineering applications	Dr. M.S. Kiran Biological Materials Laboratory	AcSIR
 Mr. Karthikraja E	Computational Studies on Design and Development of Novel Two-Dimensional Materials for Energy Storage and Conversion Applications	Dr. V.G. Vaidyanathan Advanced Materials Laboratory	AcSIR
 Mrs. Padmaja M	Mechanistic Role of Nano-Molybdenum Targeting Inflammation and Angiogenesis for Wound Therapeutics	Dr. Purnasai Biological Materials Laboratory	AcSIR

Name of the Researcher	Title of the doctoral work	Supervisor and Department	Affiliation
 Mr. Patchai Murugan K	Synthesis and characterization of semiconducting porous photocatalytic carbons from.. Industrial water	Dr. S. Swarnalatha Environmental Science Laboratory	University of Madras
 Mr. Syed Nasar Rahaman J	Intra-articular Injectable Hydrogel fabricated with Polyphenol loaded Mesoporous Silica Nanoparticles for therapeutic management of different Arthritic Conditions	Dr. A. Suresh Kumar Biochemistry and Biotechnology Laboratory	AcSIR
 Mr. Vikash	Bioprocessing of Recalcitrant Keratinous Bioresources for its Valorization and Potential Applications	Dr. A. Suresh Kumar Biochemistry and Biotechnology Laboratory	AcSIR
 Mr. Anbuthiruselvan S	Point-of-Care Biomarker Sensing and Nano-Engineered Biomaterials for Chronic Wound Management	Dr. Purnasai Biological Materials Laboratory	AcSIR
 Mrs. N. Priya	Approaches towards a facile identification of leather	Dr. K. J. Sreeram Center for Analytical Testings, Evaluation and Reporting Services	University of Madras

Dr. P. Thanikaivelan, Director, CSIR-CLRI, participated in the International Conference on Green Hydrogen and Energy Technology held at SRM Institute of Science and Technology on 8 January 2026.

Happy Retirement

Dr Mohan R
Scientist G
CATERS

Shri Vakil Bharti
MTS
CLRI Regional Centre, Kanpur

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

"Scientists Visiting the School" at Kendriya Vidyalaya JIPMER, Puducherry

CSIR-CLRI organized the "*Scientists Visiting the School*" programme at Kendriya Vidyalaya JIPMER, Puducherry, on 21 January 2026. During the programme, scientists interacted closely with students and conducted a series of live, hands-on demonstrations to make science more relatable and engaging.

The demonstrations covered a wide range of topics, including the leather-making process, magnetic levitation, acidity of alcohols, dye adsorption, applications of machine learning, plantar pressure analysis, DNA identification, and the role of footwear in controlling static electricity. Through these interactive sessions, students connected textbook concepts to real-world applications, sparking curiosity and strengthening their interest in science and technology. About 300 students from Classes IX and XI, along with several teachers from both the morning and evening shifts, participated in the programme.

Students of P.C. Jabin Science College, Dharwad, Hubbli, Karnataka Visited CSIR–CLRI

On 9 July 2025, the winners of the Sastra Pratibha Contest (SPC), who are students from classes 6 to 11 Around 19 postgraduate Biotechnology students, along with two faculty members from P.C. Jabin Science College, affiliated with Karnatak University Dharwad, Hubbli, Karnataka, visited CSIR–CLRI on 9 January 2026 for an academic and research-oriented interaction.

During the visit, scientists and technical staff provided demonstrations and detailed explanations of various research and laboratory facilities, including leather processing technologies, bioinformatics and biotechnology applications, healthcare and collagen research studies, as well as skill development and training opportunities in leather science and allied science streams.

Students of SIMATS Engineering College Visited CSIR-CLRI

On 7 January 2026, approximately 89 engineering students from SIMATS Engineering College, Kanchipuram District, accompanied by three faculty members, visited the CSIR–CLRI, Chennai. During the visit, scientists and staff members provided detailed explanations of various research and development activities, including leather processing technologies, biochemical and bioinformatics applications, environmental wastewater treatment methods, and computer applications, skill development, and training opportunities.

Students of Anna University, Guindy Campus Visited CSIR-CLRI

On 22 January 2026, approximately 23 M.Sc., Mathematics students from Anna University, Guindy Campus, Chennai, accompanied by faculty members, visited CSIR–CLRI, Chennai. During the visit, Dr B. Ravikumar, Scientist-D from the Footwear Biomechanics Unit, highlighted the significant role of mathematics, particularly matrices and linear algebra, in fields such as the leather industry, machine learning, and artificial intelligence. He also shared insights into career opportunities for mathematics graduates in both academia and industry, encouraging students to pursue interdisciplinary paths.
Scientists and staff members explained various research areas, including leather processing, and discussed skill development and training opportunities in leather and allied products.

Department of Industries, Government of Rajasthan Visited CLRI Regional Centre, Kanpur

Officials from the Department of Industries, Government of Rajasthan, led by Mr. C. B. Naval, Additional Commissioner (Industries), undertook a study visit to clusters and industrial units in Lucknow and Kanpur to explore good practices and successful operational models.

In this regard, the delegation visited the testing laboratory of CSIR-CLRI Regional Centre located at the KLC Complex, Banthar (Unnao) on 16 January 2026. During the visit, the officials interacted with the CSIR-CLRI team and they were provided a comprehensive overview of the Centre's infrastructure, advanced testing capabilities and ongoing initiatives.

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

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For more info:

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

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Striving for Excellence and
Global Leadership in Leather Technology

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