Department of Leather Technology
Anna University, Chennai-25

Vision of the Department

- To become a premier center of learning and research in Leather and Allied Technology

Mission of the Department

- To provide quality education in the area of Leather Technology with high professional values.
- To share and disseminate expertise to provide solutions for the problems faced by the Leather industry.
- To build an expertise based capsule of delivering technology to leather and allied sectors.
- To provide a learning ambience for innovators, researchers and technologists.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

PEO 1-To demonstrate core competency in basic mathematics, scientific and engineering fundamental to design, formulate, analyze and solve the problems of leather and allied sectors.

PEO 2-To pursue lifelong multidisciplinary learning as professional engineers, researchers and scientists and effectively communicate technical information.

PEO 3-To practice values and exhibit leadership qualities and team spirit to promote entrepreneurship and indigenization.

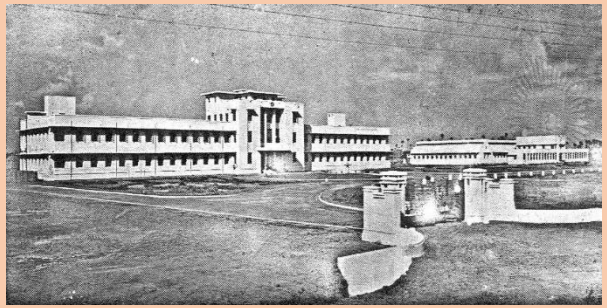
Academic Programmes

S. N.	TITLE	ELIGIBILITY	DURATION	SYLLABI AND CURRICULUM
1	B.Tech. (Leather Technology)	10+2 (School Higher Secondary course) MPC (Academic Stream)	4 Years (8 Semesters)	https://cac.annauniv.edu/PhpProject1/uddetails/udug_2019/technology/B.Tech%20Leather%20Technology.pdf
2	B.Tech. (Leather Technology) (Part Time)	Diploma in Leather Technology	3.5 years (7 Semesters)	https://cac.annauniv.edu/PhpProject1/uddetails/udug_2017pt/PT%20Syl%20_R-2017_%20Revised-Leather%20II%20-VII.pdf
3	M.Tech. (Leather Technology)	**B.E./B.Tech**. 1. Leather Technology 2 Chemical Engineering **M.Sc.** 3. Chemistry 4. Applied Chemistry 5. Environmental Chemistry	2 years (4 Semesters)	https://cac.annauniv.edu/PhpProject1/uddetails/udpg_2019/tech/10.Leather.pdf
4	M.Tech. (Footwear Engineering & Management)	**B. E/B. Tech.** (4 Years UG Programmes) 1. Leather Technology 2. Mechanical Engineering 3. Industrial Engineering 4. Production Engineering / Technology 5. Manufacturing Engineering 6. Biomedical Engineering 7. Polymer Technology 8. Materials Science and Engineering **B.E/B.Tech./B.Des** (4 Years UG Programmes) 9. Footwear Technology	2 years (4 Semesters)	https://cac.annauniv.edu/PhpProject1/uddetails/udpg_2019/tech/11.Footwear.pdf
5	Ph.D in Leather Technology Ph.D in Footwear Engineering & Management Ph.D in different streams of science & engineering	Master's Degree in the concerned discipline A Pass in NET, JRF or GATE conducted by UGC and CSIR	Min: 2 years Max: 6 years Min: 2 or 3 years Max: 6 years	

Genesis-Department of Leather Technology

- Prior to independence, tanning activity in India was limited and controlled by a few British managed tanneries.
- The first tanning school was established at Madras in 1914. Then came other schools at Kanpur, Kolkata, Jalandhar etc.
- University of Madras felt the need for a professional degree in leather technology.
- With the munificent donation of Rs.5 lakhs (in 40s) from the great philanthropist Dr. Alagappa Chettiar, the University of Madras established Alagappa Chettiar College of Technology in 1944, to offer different courses in technology.
- Courses in leather and textile technologies were introduced from 1945 in the University of Madras.
- Council of Scientific and Industrial Research, New Delhi supported the leather technology program by offering a block grant of Rs.60000/- from 1945 onwards.
- As the college buildings were not ready yet, the classes for leather subjects were held at the institutes of leather technology premises at Washermanpet, Madras.
- CLRI was born on 24 April 1948.
- The leather technology department shifted its head quarters from Washermanpet to CLRI in 1951.
- Ever since, the Department of Leather Technology of ACTech is housed at CLRI. Currently, it is under Centre for Academic and Research Excellence (CARE) division of CSIR-CLRI.

First abode of CLRI on 24 April 1948. A house in Coral Merchant Street is the place from where CLRI commenced activities. Shri OM Raju, the oldest administrative staff of the institute is seen near the moped in front of the building



Central Leather Research Institute

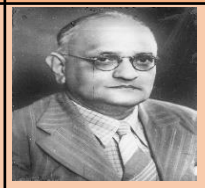
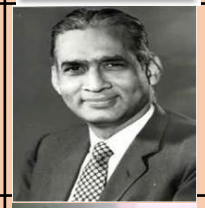
Shri TT Krishnamachari cutting the ribbon to mark the opening of CLRI in 1953

Department of Leather Technology of AC Tech. is housed at CLRI under Centre for Academic and Research Excellence (CARE) division

Department of Leather Technology - Milestones

- 1944- Establishment of Alagappa Chettiar College of Technology, Guindy
- 1945- 2 year post B.Sc. (PG) programme in Leather Technology, known as B.Sc. (Tech.) introduced
- 1955- The first Ph. D. in Leather Technology presented to Dr.E.C.Mathews
- 1956- Commencement of the 1st M.Sc. (Tech.) by research degree
- 1957- 4 year B.Sc. (Tech.) programme in Leather Technology introduced
- 1961- 5 years B. Tech. Integrated degree programme in Leather Technology
- 1963- 2 year M. Tech. degree program in leather technology introduced
- 1978- Anna University was established, A.C. College of Technology became part of the same
- 1980- 4 year B. Tech. degree programme in Leather Technology introduced
- 1983- 3 semester M. Tech. degree in Leather Technology introduced
- 1987- M. Tech. degree in Footwear Science and Engineering introduced
- 1996- M.S. (by research) programme commenced in the Department of Leather technology
- 2000- 7 semesters B. Tech. (part time) degree programme in Leather technology was introduced
- 2002- M. Tech. degree programme were converted into a four semester course
- 2013- M.Sc. (Chemistry/Environmental Science), B. Tech. (Leather/ Biotech / Chem. Engg) are included under the eligibility list for applying M. Tech. in Leather Technology & B.E./B. Tech. (Mechanical/Leather/Production/Industrial) included for M. Tech. (Footwear Science & Engineering)
- 2014- B. Tech. degree strength increased to 65 per batch
- 2019- M. Tech. (Footwear Science & Engineering) renamed as M.Tech. (Footwear Engineering & Management)

List of Head of the Department of Leather Technology

S.N.	NAME	PERIOD	PHOTO
1	Prof. Seshachalam Choudhary	1945-1951	
2	Mr. Siviah Choudhary	1951-1953	
3	Prof B M Das	1953-1956	
4	Dr Y Nayudamma	1958-1973	
5	Dr M Santappa	1973-1981	
6	Dr N Ramanathan	1981-1983	

S.N.	NAME	PERIOD	PHOTO
7	Dr G Thyagarajan	1984-1987 1990-1993	
8	Prof R B Mitra	1988-1990	
9	Dr KV Raghavan	1994-1996	
10	Dr T Ramasami	1996-2000	
11	Dr S Sadulla	2000-2008	

S.N.	NAME	PERIOD	PHOTO
12	Dr B Chandrasekaran	2008-2016	
13	Dr J Raghava Rao	2016-Till Date	

Centre for Academic and Research Excellence (CARE) at CSIR-CLRI is the custodian of Department of Leather Technology

Core Faculty Members of CARE

Dr. J. Raghava Rao		Chief Scientist and Head, Department of Leather Technology
Dr. B Madhan		Senior Principal Scientist, Honorary Faculty, Anna University
Dr. Bindia Sahu		Senior Scientist, Honorary Faculty, Anna University
Dr. G C Jayakumar		Scientist, Honorary Faculty, Anna University

DEPARTMENT OF LEATHER TECHNOLOGY, A.C. TECH, ANNA UNIVERSITY
LIST OF HONORARY FACULTY FROM CSIR – CLRI

S. N.	Name	Educational Qualification	Designation AU/CLRI	CLRI Department
1.	Dr SREERAM K J	M. Tech., PhD	Director	
2.	DR. T. RAMASAMI NAYUDAMMA ABDUL WAHID CHAIR PROFESSOR DEPT OF LEATHER TECHNOLOGY, AC TECH CAMPUS, ANNA UNIVERSITY	M. Tech., PhD		
3.	Dr RAGHAVA RAO J HOD, DEPT. OF LEATHER TECHNOLOGY, AC TECH CAMPUS, ANNA UNIVERSITY	M. Tech., PhD	Chief Scientist	Inorganic & Physical Chemistry (IPC) and Centre for Academic and Research Excellence (CARE)
4.	Dr MADHAN B	M. Tech, PhD	Senior Principal Scientist	Centre for Academic and Research Excellence (CARE)
5.	Dr BINDIA SAHU	M.Sc., PhD	Senior Scientist	Centre for Academic and Research Excellence (CARE)
6.	Dr JAYAKUMAR G C	M.S., PhD	Scientist	Centre for Academic and Research Excellence (CARE)
7.	Dr SARAVANAN P	M.S., PhD	Chief Scientist	Leather Process Technology Department
8.	Dr SANJEEV GUPTA	M. Tech., PhD	Chief Scientist	Unit For Science Dissemination (USD)
9.	Dr. SUBHENDU CHAKRABARTI	M. Tech, PhD	Chief Scientist	Project Planning & Business Development
10.	Mr MD. SADIQ	M. Tech	Chief Scientist	Design & Fashion Studio

S.N.	Name	Educational Qualification	Designation AU/CLRI	CLRI Department
11.	Dr NARASIMHASWAMY T	M.Sc., PhD	Chief Scientist	Polymer Science & Technology
12.	Dr KANAGARAJ J	M.Tech., PhD	Senior Principal Scientist	Leather Process Technology Department
13.	Dr SUGUNA LAKSHMI M	M.Sc., PhD	Senior Principal Scientist	Polymer Science & Technology
14.	Dr JAISANKAR S N	M.Tech., PhD	Senior Principal Scientist	Polymer Science & Technology
15.	Mr MATHIVANAN S	M.Tech	Senior Principal Scientist	Shoe & Product Design Centre (SPDC)
16.	Dr KRISHNARAJ K	M.S., PhD	Senior Principal Scientist	Shoe & Product Design Centre (SPDC)
17.	Dr THANIKAIVELAN P	M.Tech., PhD	Senior Principal Scientist	Advanced Materials Laboratory
18.	Dr NISHAD FATHIMA N	M.Tech., PhD	Senior Principal Scientist	Inorganic & Physical Chemistry
19.	Mr SURESH KUMAR P S	M.E.	Senior Principal Scientist	Shoe & Product Design Centre (SPDC)
20.	Dr PHEBE AARON K	M.Sc., PhD	Senior Principal Scientist	Shoe & Product Design Centre (SPDC)
21.	Dr MOHAN R	M.Tech., PhD	Senior Principal Scientist	Centre for Analysis, Testing, Evaluation and Reporting Services (CATERS)
22.	Dr SWARNA V KANTH	M.S., PhD	Senior Principal Scientist	Centre for Human and Organizational Resources Development (CHORD)
23.	Dr TAMILSELVI A	M.FSc., PhD	Senior Principal Scientist	Unit For Science Dissemination (USD)

S.N.	Name	Educational Qualification	Designation AU/CLRI	CLRI Department
24.	Dr SRI BALA KAMESWARI K	M.E., PhD	Senior Principal Scientist	Environmental Engineering Department
25.	Dr SRINIVASAN S V	M.E., PhD	Senior Principal Scientist	Environmental Engineering Department
26.	Dr KAMINI N R	M.Sc., PhD	Senior Principal Scientist	Biochemistry & Biotechnology
27.	Dr AYYADURAI N	M.Sc., PhD	Principal Scientist	Biochemistry & Biotechnology
28.	Dr SURIANARAYANAN M	MSc., PhD	Senior Principal Scientist	Cell For Industrial Safety & Risk Analysis (CISRA)
29.	Dr SIVAKUMAR V	M. Tech., PhD	Senior Principal Scientist	Chemical Engineering
30.	Mr NITHIYANANTHA VASAGAM S	MCA	Principal Scientist	Project Planning & Business Development
31.	Dr GANESH S	M.Sc., PhD	Principal Scientist	Organic & Bio-organic Chemistry
32.	Dr ARAVINDHAN R	M.Tech., PhD	Principal Scientist	Leather Process Technology Department
33.	Dr. VAIDYANATHAN VG	M.Sc., PhD	Principal Scientist	Advanced Materials Laboratory
34.	Dr SUJATA MANDAL	M.Sc., PhD	Principal Scientist	Centre for Analysis, Testing, Evaluation and Reporting Services (CATERS)
35.	Dr EASWARAMOORTHI S	M.Sc., PhD	Principal Scientist	Inorganic & Physical Chemistry

S. N.	Name	Educational Qualification	Designation AU/CLRI	CLRI Department
36.	Dr DEBASIS SAMANTA	M.Sc., PhD	Principal Scientist	Polymer Science & Technology
37.	Dr MD SAYEM ALAM	M.Sc., PhD	Principal Scientist	Polymer Science & Technology
38.	Dr MURUGAN D	M.Tech., PhD	Principal Scientist	Chemical & Biological Pilot Plants (CBPP)
39.	Dr SHAKILA SHOBANA T	MBA, PhD	Senior Scientist	Project Planning & Business Development
40.	Dr SWARNALATHA S	M.Sc., PhD	Senior Scientist	Environmental Science Lab
41.	Mr KARTHIK V	M.Tech	Senior Scientist	Leather Process Technology Department
42.	Mr KARTHIKEYAN K	M. Des	Senior Scientist	Shoe & Product Design Centre (SPDC)
43.	Dr SARASWATHY G	M.E., PhD	Senior Scientist	Shoe & Product Design Centre (SPDC)
44.	Dr SURESH KUMAR D	M. Tech, PhD	Scientist	Shoe & Product Design Centre (SPDC)
45.	Dr RAVIKUMAR B	M.Sc., PhD	Scientist	Project Planning & Business Development
46.	Mr AKSHAYARAMAN M	M.Tech	Scientist	Design And Fashion Studio
47.	Dr SATHYARAJ G	M.Sc., PhD	Scientist	Centre for Analysis, Testing, Evaluation and Reporting Services (CATERS)
48.	Dr JOHN SUNDAR V	M.S., PhD	Principal Technical Officer	Leather Process Technology Department
49.	Mr RAMESH R	B.E.	Principal Technical Officer	Leather Process Technology Department
50.	Mr. RAMANAIAH B	M.S.,	Principal Technical Officer	Leather Process Technology Department
51.	Mr GOVINDARAJAN N	B.E., M.S.	Principal Technical Officer	Shoe & Product Design Centre (SPDC)
52.	Mr KANTHASAMY P	M.S.	Principal Technical Officer	Environmental Engineering Department

S.N.	Name	Educational Qualification	Designation AU/CLRI	CLRI Department
53.	Mr SATHIAMOORTHY G	MCA	Senior Technical Officer	Shoe & Product Design Centre (SPDC)
54.	Mr CHANDRASEKAR R	B.Tech	Senior Technical Officer	Centre for Analysis, Testing, Evaluation and Reporting Services (CATERS)
55.	Dr SHANMUGAVEL M	M.Sc., PhD	Senior Technical Officer	Microbiology Lab
56.	Mr RAJAGOPAL G	M.Sc.	Senior Technical Officer	Leather Process Technology Department
57.	Mrs B. KANIMOZHI	MBA	Technical Officer	Centre for Human and Organizational Resources Development (CHORD)
58.	Mr. SURESH S	M.Sc.	Technical Officer	Centre for Analysis, Testing, Evaluation and Reporting Services (CATERS)
59.	Mr. MURUGAN L	MSC	Senior Technician	Shoe & Product Design Centre (SPDC)
60.	Mr. GNANA PRABHU K	B.E	Senior Technician	Shoe & Product Design Centre (SPDC)
61.	Mr. SATHIYARAJ R	B.E.	Technical Officer	Design And Fashion Studio
62.	Mr. R. PRASANNA	B.Tech	Technical Assistant	Leather Process Technology Department
63.	Mr. MOHAMMED ABU JAVID	B.Tech	Technical Assistant	Leather Process Technology Department
64.	Mr. RAVI BANOTHU	MSc.	Technical Assistant	Centre for Analysis, Testing, Evaluation and Reporting Services (CATERS)
65.	Dr MAHESHKUMAR J	PhD	Technical Assistant	Centre for Analysis, Testing, Evaluation and Reporting Services (CATERS)

LIST OF HONORARY FACULTY FROM CSIR – CLRI RECOGNIZED AS RESEARCH SUPERVISORS BY ANNA UNIVERSITY

S.N.	Name	Educational Qualification	Designation AU/CLRI	CLRI Department
1.	Dr SREERAM K J	M.Tech., PhD	Director	
2.	Dr RAGHAVA RAO J HOD, DEPT. OF LEATHER TECHNOLOGY, AC TECH CAMPUS, ANNA UNIVERSITY	M.Tech, PhD	Chief Scientist	Inorganic & Physical Chemistry(IPCL) and Centre for Academic and Research Excellence (CARE)
3.	Dr MADHAN B	M.Tech., PhD	Senior Principal Scientist	Centre for Academic and Research Excellence (CARE)
4.	Dr KANAGARAJ J	M.Tech., PhD	Senior Principal Scientist	Leather Process Technology Department
5.	Dr ARAVINDHAN R	M.Tech., PhD	Principal Scientist	Leather Process Technology Department
6.	Dr SANJEEV GUPTA	M.Tech, PhD	Chief Scientist	Unit For Science Dissemination (USD)
7.	Dr SWARNA V KANTH	M.S., PhD	Senior Principal Scientist	Centre for Human and Organizational Resources Development (CHORD)
8.	Dr TAMILSELVI A	M.FSc., PhD	Senior Principal Scientist	Unit For Science Dissemination (USD)
9.	Dr KRISHNARAJ K	M.S., PhD	Senior Principal Scientist	Shoe & Product Design Centre (SPDC)
10.	Dr PHEBE AARON K	M.Sc., PhD	Senior Principal Scientist	Shoe & Product Design Centre (SPDC)
11.	Dr SARASWATHY G	M.E., PhD	Senior Scientist	Shoe & Product Design Centre (SPDC)
12.	Dr SUJATA MANDAL	M.Sc., PhD	Principal Scientist	Centre for Analysis, Testing, Evaluation and Reporting Services (CATERS)
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15.	Dr EASWARAMOORTHI S	M.Sc., PhD	Principal Scientist	Inorganic & Physical Chemistry
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17.	Dr JAISANKAR S N	M.Tech., PhD	Senior Principal Scientist	Polymer Science & Technology

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21.	Dr AYYADURAI N	M.Sc., PhD	Principal Scientist	Biochemistry & Biotechnology
22.	Dr SRI BALA KAMESWARI K	M.E., PhD	Senior Principal Scientist	Environmental Engineering Department
23.	Dr SRINIVASAN S V	M.E., PhD	Senior Principal Scientist	Environmental Engineering Department
24.	Dr. SWARNALATHA S	M.Sc., PhD	Senior Scientist	Environmental Science Lab
25.	Dr SURIANARAYANAN M	MSc., PhD	Senior Principal Scientist	Cell For Industrial Safety & Risk Analysis (CISRA)
26.	Dr SIVAKUMAR V	M.Tech., PhD	Senior Principal Scientist	Chemical Engineering Department
27.	Dr MURUGAN D	M.Tech., PhD	Principal Scientist	Chemical & Biological Pilot Plants (CBPP)
28.	Dr SHANMUGAVEL M	M.Sc., PhD	Senior Technical Officer	Microbiology Lab
29.	Dr. VAIDYANATHAN VG	M.Sc., PhD	Principal Scientist	Advanced Materials Laboratory
30.	Dr.S.M JAIMOHAN	M.Sc., PhD	Scientist	Advanced Materials Laboratory
31.	Dr. SURESH KUMAR A	M.Sc., PhD	Senior Scientist	Biochemistry & Biotechnology
32.	Dr. UTHIRAPPAN MANI	M.Sc., PhD	Senior Technical Officer	Biochemistry & Biotechnology
33.	Dr. SHANMUGAM P	M.Sc., PhD	Senior Principal Scientist	Organic & Bio-organic Chemistry
34.	Dr.UMA MAHESWARI N	M.Sc., PhD	Principal Scientist	Organic & Bio-organic Chemistry

S.N.	Name	Educational Qualification	Designation AU/CLRI	CLRI Department
35.	Dr. SHANMUGAM P	M.Sc., PhD	Senior Principal Scientist	Environmental Science Lab
36.	Dr. LAJAPATHI RAI C	M.S., PhD	Senior Principal Scientist	Chemical Engineering
37.	Dr. SIVASAMI A	M.Sc, PhD	Chief Scientist	Chemical Engineering
38.	Dr. RAMES CHANDRA PANDA	M.Tech., PhD	Senior Principal Scientist	Chemical Engineering
39.	Dr SIVARAJAN M	M.E., PhD	Principal Scientist	Cell For Industrial Safety & Risk Analysis (CISRA)
40.	Dr VEDARAMAN N	M.Sc., PhD	Principal Technical Officer	Chemical Engineering
41.	Dr GNANAMANI A	M.Sc., PhD	Senior Principal Scientist	Microbiology Lab
42.	Dr PURNA SAI K	M.Sc., PhD	Senior Principal Scientist	Biological Material Laboratory
43.	Dr. UMA TS	M.Sc., PhD	Principal Scientist	Biological Material Laboratory
44.	Dr KIRAN MS	M.Sc., PhD	Principal Scientist	Biological Material Laboratory
45.	Dr.YASMIN KHAMBHATY	M.Sc., PhD	Senior Scientist	Microbiology Lab
46.	Dr G C JAYAKUMAR	MS., PhD	Scientist	Centre for Academic and Research Excellence (CARE)

Temporary Teaching Staff

S. N.	Name	Educational Qualification	Designation
1.	DR. DALIYA SINHA	M.Sc, Ph.D	Teaching Fellow
2.	MRS VINULAXMI. H	B. Tech, MBA	Teaching Fellow

Non Teaching Staff

S. N.	Name	Designation
1.	MRS N. PARIMALAM	Stenographer Grade II
2.	MR. INDRA BABU	Professional Assistant II
3.	MR. C. VASANTH	Professional Assistant III

Faculty Publications for the period 2019 - 2020

Authors	Title	Publisher	Impact Factor
Pandurangan, S; Meganathan, I; Ragavan, S; Ramudu, KN; Shanmugam, E; Shanmugam, G; **Niraikulam, A**	Engineering of a skin-fiber-opening enzyme for sulfide-free leather beam house operation through xenobiology	*Green Chemistry, 21 (8), 2070-2081, 2019*	9.405
Ilamaran, M; Janeena, A; Valappil, S; Ramudu, KN; Shanmugam, G; **Niraikulam, A**	A self-assembly and higher order structure forming triple helical protein as a novel biomaterial for cell proliferation	*Biomaterials Science, 7 (5), 2191-2199, 2019*	6.183
Thamaraiselvi, P; Duraipandy, N; Kiran, MS; **Easwaramoorthi, S**	Triarylamine Rhodanine Derivatives as Red Emissive Sensor for Discriminative Detection of Ag+ and Hg2+ ions in Buffer-Free Aqueous Solutions	*ACS Sustainable Chemistry & Engineering, 7 (11), 9865-9874, 2019*	7.03
Kaushik, M; Niranjan, R; Thangam, R; **Madhan, B**; Pandiyarasan, V; Ramachandran, C; Oh, DH; Venkatasubbu, GD	Investigations on the antimicrobial activity and wound healing potential of ZnO nanoparticles	*Applied Surface Science, 479, 1169-1177, 2019*	5.27
Nagaraj, S; **Easwaramoorthi,** S; **Rao, JR**; **Thanikaivelan, P**	Probing visible light induced photochemical stabilization of collagen in green solvent medium	*International Journal of Biological Macromolecules, 131, 779-786, 2019*	5.162
Tamilselvi, A; Jayakumar, GC; Charan, KS; **Sahu, B**; Deepa, PR; **Kanth, SV**; **Kanagaraj, J**	Extraction of cellulose from renewable resources and its application in leather finishing	*Journal of Cleaner Production, 230, 694-699, 2019*	7.1
Jaganathan, M; **Easwaramoorthy, S**; Dhathathreyan, A	Sub-micron sized cytochrome c particles adsorbing to solid surfaces: A comparison between solution phase and colloidal system	*International Journal of Biological Macromolecules, 137, 1268-1277, 2019*	5.162
Rasheeda, K; Samyuktha, D; **Fathima, NN**	Self-association of type I collagen directed by thymoquinone through alteration of molecular forces	*International Journal of Biological Macromolecules, 140, 614-620, 2019*	5.162
Serge, EJ; Alla, JP; Belibi, PDB; Mbadcam, KJ; **Fathima, NN**	Clay/polymer nanocomposites as filler materials for leather	*Journal of Cleaner Production, 237, 2019*	7.1
Prabhu, J; Velmurugan, K; Raman, A; Duraipandy, N; Kiran, MS; **Easwaramoorth**i, S; Tang,	Pyrene-phenylglycinol linked reversible ratiometric fluorescent chemosensor for the detection of aluminium in nanomolar range and its bio-imaging	*Analytica Chimica Acta, 1090, 114-124, 2019*	5.31
Mukherjee, M; Gurusamy-Thangavelu, SA; Chelike, DK; Alagumalai, A; Das, BN; **Jaisankar, SN**; Mandal, AB	Biodegradable polyurethane foam as shoe insole to reduce footwear waste: Optimization by morphological physicochemical and mechanical properties	*Applied Surface Science, Proceedings Paper, 499, 2020*	6.182

Authors	Title	Publisher	Impact Factor
Yoseph, Z; **Christopher, CG**; Demessie, BA; **Selvi, AT**; **Sreeram, KJ; Rao, JR**	Extraction of elastin from tannery wastes: A cleaner technology for tannery waste management	*Journal of Cleaner Production, 243, 2020*	7.1
Matuszek, Karolina; Vijayaraghavan, R; Forsyth, Craig M; **Mahadevan, Surianarayanan**;Karmega; MacFarlane, Douglas R	Pyrazolium phase change materials for solar-thermal energy storage	*ChemSusChem, Energy and Materials, 13 (1), 159-164, 2020*	7.35
Srivastava, R; **Alam, MS**	Influence of micelles on protein's denaturation	*International Journal of Biological Macromolecules, 145, 252-261, 2020*	5.162
Selvi, AT; Brindha, V; Vedaraman, N; **Kanagaraj, J**; **Sundar, VJ;** Khambhaty, Y; **Saravanan, P**	Eco-friendly curing of hides/ skins using phyto based Citrus limon leaves paste	*Journal of Cleaner Production, 247, 2020*	7.1
Kumar, CS; Thangam, R; Mary, SA; Kannan, PR; Arun, G**; Madhan, B,**	Targeted delivery and apoptosis induction of trans-resveratrol-ferulic acid loaded chitosan coated folic acid conjugate solid lipid nanoparticles in colon cancer cells	*Carbohydrate Polymers, 231, 2020*	6.23
Inbasekar, C; **Fathima, NN,**	Collagen stabilization using ionic liquid functionalised cerium oxide nanoparticle	*International Journal of Biological Macromolecules, 147, 24-28, 2020*	5.162
Ariram, N; **Madhan, B**	Development of bio-acceptable leather using bagasse	*Journal of Cleaner Production, 250, 2020.*	7.1
Vedhanayagam, M; Anandasadagopan, S; Nair, BU; **Sreeram, KJ**	Polymethyl methacrylate (PMMA) grafted collagen scaffold reinforced by PdO-TiO2 nanocomposites	*Materials Science & Engineering C-Materials for Biological Applications, 108, 2020*	5.88

Faculty Publications for the period 2018 - 2019

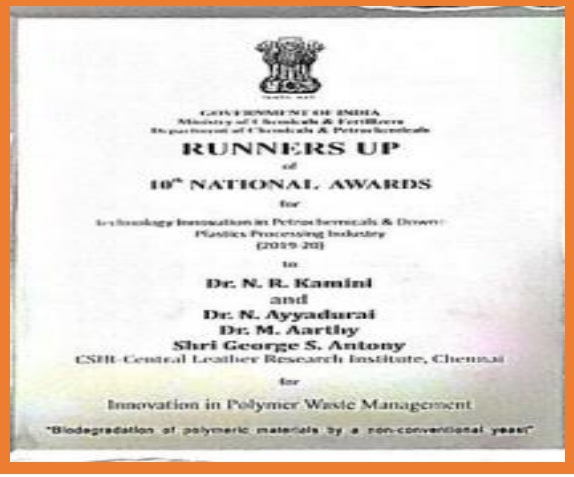
Authors	Title	Publisher	Impact Factor
Chatterjee, Kuntal; Ashokkumar, Meiyazhagan; Gullapalli, Hemtej; Gong, Yongji; Vajtai, Robert; **Thanikaivelan, Palanisamy**; Ajayan, Pulickel M.	Nitrogen-rich carbon nano-onions for oxygen reduction reaction	*Carbon, 130, 645-651, 2018*	7.082
Thankaswamy, Shiny Renitha; Sundaramoorthy, Sundarapandiyan; **Palanivel, Saravanan**; Ramudu, **Kamini Numbi**	Improved microbial degradation of animal hair waste from leather industry using Brevibacterium luteolum (MTCC 5982)	*Journal of Cleaner Production, 189, 701-708, 2018*	5.651
Janeena, Asuma J.; Ilamaran, M.; George, A.; George, S. A.; Raghavan, Sriram S.; Lakshmi, Surya P.; Aarthy, M.; **Kamini, N.** R.; Gunasekaran, K.; **Ayyadurai, N**	Biomimetic strategies to design metallic proteins for detoxification of hazardous heavy metal	*Journal of Hazardous Materials, 358 (92), 100, 2018*	6.434
Raman, Arunachalam; Augustine, George; **Ayyadurai, Niraikulam**; **Easwaramoorthi, Shanmugam**	Gated photochromism in azobenzene-appended rhodamine cassette: through-bond energy transfer - a universal strategy towards "Lock and Unlock" system	Journal of Materials Chemistry C, 6 (39), 10497-10501, 2018	5.976
Perumal, Ramesh Kannan; Gopinath, Arun; Thangam, Ramar; Perumal, Sathiamurthi; Masilamani, Dinesh; Ramadass, Satiesh Kumar; **Madhan, Balaraman**	Collagen-silica bio-composite enriched with Cynodon dactylon extract for tissue repair and regeneration	*Materials Science & Engineering C-Materials for Biological Applications, 92, 297-306, 2018*	5.08
Velmurugan, Krishnaswamy; Prabhu, Jeyaraj; Raman, Arunachalam; Duraipandy, Natarajan;Kiran, Manikantan Syamala; **Easwaramoorthi, Shanmugam**; Tang, Lijun; Nandhakumar, Raju	Dual Functional Fluorescent Chemosensor for Discriminative Detection of Ni2+ and Al3+ Ions and Its Imaging in Living Cells	*ACS Sustainable Chemistry & Engineering, 6 (12), 16532-16543, 2018*	6.14
Arivizhivendhan, K. V.; Mahesh, M.; Murali, R.; Mary, R. Regina; **Thanikaivelan, P**.; Sekaran, G	Prodigiosin-Iron-Oxide-Carbon Matrix for Efficient Antibiotic-Resistant Bacterial Disinfection of Contaminated Water	*ACS Sustainable Chemistry & Engineering, 7 (3), 3164- 3175, 2019*	6.14
Sathish, Murali; Dhathathreyan, Aruna; Rao, Jonnalagadda Raghava	Ultraefficient Tanning Process: Role of Mass Transfer Efficiency and Sorption Kinetics of Cr(III) in Leather Processing	*ACS Sustainable Chemistry & Engineering, 7 (4), 3875-3882, 2019*	6.14
Pandi, Ajitha; Kuppuswami, Gowthaman Marichetti; Ramudu, **Kamini Numbi; Palanivel,Saravanan**	A sustainable approach for degradation of leather dyes by a new fungal laccase	*Journal of Cleaner Production, 211, 590-597, 2019*	5.651
Selvaraj, Sowmya; Jeevan, Vigneshwar; **Jonnalagadda, Raghava Rao; Fathima, Nishter Nishad**	Conversion of tannery solid waste to sound absorbing nanofibrous materials: A road to sustainability	*Journal of Cleaner Production, 213, 375-383, 2019*	5.651
Gupta, Sandeep Kumar; **Gupta, Sanjeev**	Closed loop value chain to achieve sustainable solution for tannery effluent	*Journal of Cleaner Production, 213, 845-846, 2019*	5.651

Faculty Publications for the period 2017 - 2018

Authors	Title	Publisher	Impact Factor
Vairapperumal, Tamilmani; Duraipandy, Natarajan; Syamala, Kiran Manikantan; Janardhanan**, Sreeram Kalarical**; Unni, Nair Balachandran	Catechin caged lanthanum orthovanadate nanorods for nuclear targeting and bioimaging applications	*Sensors and Actuators B-Chemical, 242, 700-709, 2017*	5.401
Sundarapandiyan, Sundaramoorthy; Renitha, Thankaswamy Shiny; Sridevi, Janardhanam; **Saravanan, Palanivel;** Chandrasekaran, Bangaru; Raju, Guntamadugu Bhaskar	Photocatalytic degradation of highly refractive phenolic polymer Mechanistic insights as revealed by Electron Spin Resonance (ESR) and solid-state C-13 NMR spectroscopy	*Chemical Engineering Journal, 313, 1112-1121, 2017*	6.216
Ramalingam, Sathya; **Rao, Jonnalagadda Raghava**	Tailoring Nanostructured Dyes for Auxiliary Free Sustainable Leather Dyeing Application	*ACS Sustainable Chemistry & Engineering, 5 (6), 5537-5549, 2017*	5.951
Selvaraju, Sharmila; Ramalingam, Sathya**; Rao, Jonnalagadda Raghava**	Preparation and application of biodegradable nanocomposite for cleaner leather processing	*Journal of Cleaner Production, 158, 225-232, 2017*	5.715
Balasubramanian, Pandian; Ramalingam, Sathya; **Rao, Jonnalagadda Raghava**	Detritus to Functional Auxiliary: Twin Properties Polymer from Woody Biomass for Leather Post-Tanning Application	*ACS Sustainable Chemistry & Engineering, 5 (8), 7020-7029, 2017*	5.951
Vadivelu, M.; Sugirdha, S.; Dheenkumar, P.; Arun, Y.; Karthikeyan, K.; Praveen, C	Solvent-free implementation of two dissimilar reactions using recyclable CuO nanoparticles under ball-milling conditions: synthesis of new oxindole-triazole pharmacophores	*Green Chemistry, 19 (15), 3601-3610, 2017*	9.125
Prasad, S. Krishna; Baral, Marlin; Murali, Adhigan; **Jaisankar, Sellamuthu N.**	Carbon Nanotube Reinforced Polymer-Stabilized Liquid Crystal Device: Lowered and Thermally Invariant Threshold with Accelerated Dynamics	*Applied Materials & Interfaces, 9 (31), 26622-26629, 2017*	7.504
Alla, Jaya Prakash; Rao, **Jonnalagadda Raghava; Fathima, Nishter Nishad**	Integrated Depilation and Fiber Opening Using Aqueous Solution of Ionic Liquid for Leather Processing	*ACS Sustainable Chemistry & Engineering, 5 (10), 8610-8618, 2017*	5.951
Masilamani, Dineshkumar; Srinivasan, Vijayaraghavan; Ramachandran, Ramya K.; Gopinath, Arun; **Madhan, Balaraman; Saravanan, Palanivel**	Sustainable packaging materials from tannery trimming solid waste: A new paradigm in wealth from waste approaches	*Journal of Cleaner Production, 164, 885-891, 2017*	5.715
Yuvaraj, P.; **Rao, J. Raghava; Fathima, N. Nishad**; Natchimuthu, N.; **Mohan, R.**	Complete replacement of carbon black filler in rubber sole with CaO embedded activated carbon derived from tannery solid waste	*Journal of Cleaner Production, 170, 446-450, 2018*	5.715

Faculty awards for the year 2017-2020

Team Award



PMA is pleased to convey that the below mentioned Project of 'Central Leather Research Institute' has been selected for the prestigious **'National Project Excellence Award' of PMA for 2016.**

"Twinning Project at LIDI, Ethiopia"

Individual award

FACILITIES
EQUIPMENT FACILITIES AT DEPARTMENT OF LEATHER TECHNOLOGY

Texture Analyzer

Shaker Incubator

Continuous Centrifuge

High Performance Liquid Chromatography

Fast Performance Liquid Chromatography

UV-Visible Sectrophotometer

Fluorescence Inverted Microscope

Lyophilizer

Electrospinning Apparatus

Biosafety Cabinet

FOOTWEAR DESIGN AND TESTING LAB

Gait analysis system

Computer Aided Pattern Design

Gait Laboratory for fabricating customized footwear

Digital Softness Tester

Universal Testing Machine

Sewability Tester

Drape meter

ADVANCED INSTRUMENTATION LAB

Fast Protein Liquid Chromatography

Gas Chromatography-Mass Spectroscopy (GC-MS-MS)

High Performance Liquid Chromatography- Photo Diode Array

Liquid Chromatoraphy-Mass Spectrometer

Powder X-Ray Diffractometer

Particle Size Analyser/ zeta potential

Fourier-transform infrared spectroscopy-Attenuated total reflection

Differential Scanning Calorimeter

LAB PHOTOS

Learning Management Systems






Plantation



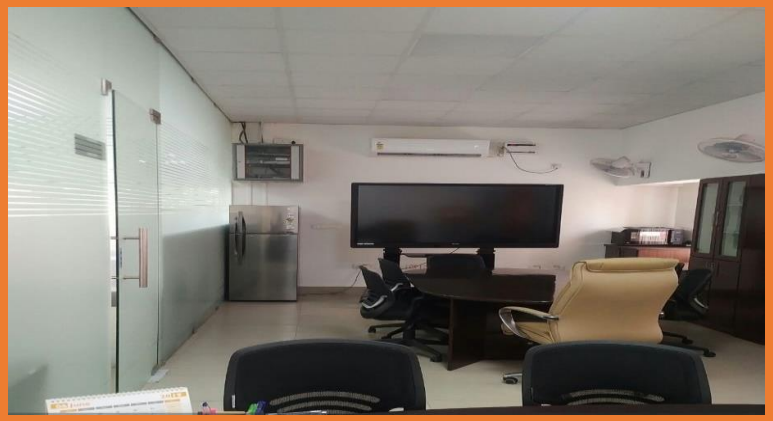
Auditorium

Student Induction Program

Workshop

Industrial Visit

CARE - INFRASTRUCTURE



ALUMNI

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All past students and faculty of the Department of Leather Technology, Anna University, are eligible to become Life Members of the Association.

The objectives of the Association is to bring the former students of the Department of Leather Technology, Anna University under one forum for the dissemination and exchange of experience, knowledge and talent amongst its members the students of the department

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