

INTERNATIONAL TRAINING WORKSHOP

on

**Developing Key Parameters for Ensuring Sustainability of
Leather Sector in Developing Countries**

**CHENNAI, INDIA
28-31 JANUARY 2019**

ORGANISED BY



**CENTRE FOR SCIENCE & TECHNOLOGY
OF THE NON-ALIGNED AND OTHER
DEVELOPING COUNTRIES
(NAM S&T CENTRE)**



**CSIR - CENTRAL LEATHER RESEARCH
INSTITUTE (CLRI),
CHENNAI, TAMIL NADU, INDIA**

INTRODUCTION

The leather is a major component of a chain of activities, starting from dead animal to value-added consumer products. Ecological and environmental concerns associated with the water and energy consumption during leather processing, the economic benefits and social empowerment provided by this industry are linked. Sustainability today is thus an important issue for this sector. The leather sector is innovating by way of new products, processes and end-of-pipe treatment systems, while maximizing raw material to product turnover. A basket of technology is available for each stage of leather processing. The best way forward would be developing country-specific key parameters for ensuring sustainability of the leather sector.

In order to focus on the above issues, the Centre for Science & Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre) jointly with the CSIR-Central Leather Research Institute, Chennai, India announces the organisation of an **International Training Workshop on “Developing Key Parameters for Ensuring Sustainability of Leather Sector in Developing Countries”** in Chennai, India during **28-31 January 2019**.

OBJECTIVES OF THE TRAINING WORKSHOP

The primary objective of this training workshop is to bring together experts and various stakeholders to discuss currently available technologies and methodologies and other enablers that would have a positive effect on social, economic, environmental and technological aspects that would influence the sustainability of the leather industry in various parts of the world.

TOPICS TO BE COVERED

Following key topics would be discussed in the Training Workshop:

- A. **Developing and using alternative chemicals**: Success stories of some alternative chemicals would be presented along with the cost-benefit aspects. Process demonstration of such technologies would also be made. Alternative feedstock would also be discussed.
- B. **Reduction of waste in leather processing**: New technologies that would reduce the generation of wastes during leather processing, add value to wastes etc. would be presented and demonstrated.
- C. **Sustainable design and decision-making**: End-of-life considerations, ease of reuse, recyclability, integrated planning of clusters would be discussed.
- D. **Sustainability in product industries**: Increase of productivity in leather product manufacture, lean manufacturing etc. leading to sustainability of leather product industries would be discussed.
- E. **Materials, water and energy management**: The concept of zero liquid discharge (ZLD) and its success stories in India would be presented along with material management and energy management options.
- F. **Experience sharing** on the above topics from the participating countries.

EXPECTED OUTCOME

- Identification of key challenges towards sustainability in various developing countries
- Identification of appropriate technologies for various scenarios
- Setting implementation targets and developing sustainability indices for benchmarking
- Networking for appropriate short-term and long-term R&D projects
- Promoting international cooperation and transfer of technologies among developing countries

PROGRAMME OF THE TRAINING WORKSHOP

A tentative programme of the Training Workshop is given below:

Date	Programme			
	09.00-10.30	10.30-13.00	14.00-15.30	16.00-17.30
27 January 2019	Arrival of Delegates in Chennai, India			
28 January 2019	Inauguration	Technical Session – I	Technical Sessions – II & III	
29 January 2019	Technical Sessions – IV & V		Technical Session - VI	Participate in the 52 nd Leather Research and Industry Get-Together
30 January 2019	Participate in the 52 nd Leather Research and Industry Get-Together			
31 January 2019	Demonstrations/ Field Visit		Panel discussions	Concluding Session - Discussion and Adoption of Chennai Resolution, Distribution of Certificates
1 February 2019	Departure of Delegates*			

A detailed Session-wise Programme with names of speakers and paper titles will be made available before the Workshop.

* The 35th edition of India International Leather Fair is scheduled from 31st January 2019 to 3rd February 2019 at the Chennai Trade Centre, Chennai. Participants can consider visiting the fair at their own costs.

VENUE

The Workshop would be organized at the CSIR- Central Leather Research Institute, Chennai, India.

ABOUT THE ORGANISERS

NAM S&T CENTRE

The Centre for Science and Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre; www.namstct.org) is an inter-governmental organisation with a membership of 47 countries spread over Asia, Africa, Middle East and Latin America. The Centre was set up in 1989 in New Delhi, India. It undertakes a variety of programmes, including organisation of workshops, symposiums and training courses and implementation of collaborative projects. It also offers short-term research fellowships to scientists from developing countries in association with the Centres of Excellence in various countries. The Centre also brings out technical books and other scientific publications in different subjects of interest to developing countries. The Centre's activities provide opportunity for scientist-to-scientist contact and interaction; familiarising participants on the latest developments and techniques in the subject areas; identification of the requirements of training and expert assistance; locating technologies for transfer between the members and other developing countries, and dissemination of S&T information etc. In addition, the Centre encourages academic-R&D-industry interaction in the developing countries through its NAM S&T-Industry Network.

CSIR- CENTRAL LEATHER RESEARCH INSTITUTE

Central Leather Research Institute (CLRI), Chennai was established in 1948 as a constituent laboratory of the Council of Scientific Industrial Research (CSIR), New Delhi to serve as the National Apex body for leather, leather products, leather chemicals and allied areas. The institute through the years has served as partner in providing the industry with appropriate technological solutions for their processes, products, testing, certification and other requirements. On 24 April 2018, the institute completed 70th year of service to the nation, during which period the leather industry in India has grown from approximately USD 80 million worth raw hides/skin and semi-finished leather export in 1944-45 to ~USD 5850 million (at current exchange rate) export of finished leather and leather products in 2015-16. In this growth, the CSIR-CLRI provided technological support for major structural changes, which included the technology readiness to comply with various environmental norms and bringing in paradigm shifts in the processing strategies adopted in India and elsewhere in the world. Today, the CSIR-CLRI continues to be the Apex body to certify finished leathers for their export and also guides the Indian Leather Industry and that in Ethiopia to achieve sustainable growth.

PARTICIPANTS

The Workshop programme has been primarily designed for scientists, technologists, researchers, academicians, industry people and policy makers working in the relevant areas of leather and leather products.

The selection of the participants will be strictly based on merit and relevance of their current responsibilities to the subject of the Workshop as well as the quality of the extended abstract of the paper submitted by them along with the completed nomination form.

A pre-condition for participation in the Workshop is that the participants must submit the full manuscript of their papers, in **MS-Word format**, at least **14 days** before the

commencement of the programme.

RESOURCE PERSONS

The resource persons for the Workshop will comprise eminent experts and professionals in the relevant field.

SUBMISSION OF APPLICATION

Experts and scientists desirous of participating in the Workshop, excepting those from India, are required to submit their nomination form **electronically** directly to the NAM S&T Centre as early as possible, but latest before **Friday, 14 December 2018**.

Applicants from India should however submit their applications to the CSIR - Central Leather Research Institute, Chennai (Tamil Nadu), India.

The Nomination Form should be completed in all respects, typewritten or in clear handwriting in capital letters, and no column should be left blank. The following documents must be submitted as e-mail attachments:

- i. Filled in Nomination Form (Blank form enclosed)
- ii. An extended (**about 2 pages**) abstract (**in MS Word format**) of the paper that would be presented at the workshop
- iii. A short (**maximum two pages**) CV (**in MS-Word format**)
- iv. Copy of the relevant pages of the passport

The documents at (ii) and (iii) above must be in MS-Word Format; PDF or image files will not be accepted. Hard copies of the Nomination Form and the above attachments are NOT REQUIRED to be submitted.

PRESENTATION OF PAPERS

Each participant will be required to present a country status report and/or a research/scientific paper on any of the themes appropriate to the Workshop.

PUBLICATION AS A FOLLOW UP OF THE WORKSHOP

A publication edited by one or more international experts and based on the papers presented by the KEY resource persons and participants during the Workshop and also containing papers contributed by other eminent experts in the field will be brought out in the form of a book as follow up of this programme. Therefore, all the participants are required to submit the manuscripts of their full papers in **MS-word** format well in advance, but at least 14 days before the commencement of the Workshop.

LOCAL HOSPITALITY AND TRAVEL

Local hospitality in Chennai, including accommodation, meals and local transport for the foreign participants sponsored by the NAM S&T Centre will be provided from **27th January 2019 to 1st February 2019** (i.e. from one day before to one day after the completion of the Workshop). The participants are requested to book their flights accordingly; otherwise, they will have to make their own arrangements of stay beyond these dates.

FINANCIAL ARRANGEMENTS FOR TRAVEL

The financial terms and arrangements for international travel of the foreign participants will be conveyed to individual applicants on receipt of the nomination form and other documents.

ENTRY FORMALITIES AND IMMIGRATION

Participants of the Workshop must be in possession of a current passport or any other internationally recognised travel document, which must have a period of validity of at least six months beyond the period of stay in India and must be endorsed for travel to India.

Participants should have a valid visa for entry into India. The Indian diplomatic mission located in the country of the participant should be approached for obtaining an entry visa. For a large number of countries, however, online visa application is required. If required, the organisers will facilitate the issuance of visa by providing the participants with an official letter of invitation.

OTHER USEFUL INFORMATION

The weather in Chennai during the Workshop period is likely to be sunny and slightly humid with the expected temperature to be $\sim 27^{\circ}\text{C}$ during the day time and $\sim 22^{\circ}\text{C}$ during the nights.

Indian Standard Time is +05.30 hours ahead of GMT.

The Indian Currency is Rupee (INR); the present current exchange rate is US\$1 \approx 73.65 INR.

NOTE

- ***The governments / institutions of the selected participants will be required to bear the following costs:***
 - *All expenses in the home country incidental to travel abroad, including expenditure for passports, required medical examinations, vaccinations and miscellaneous expenses such as internal travel to the airport of departure in the home country.*
 - *Salary and other related allowances for the participants during the period of the Workshop.*
 - *Cost of medical insurance to cover the period of participation in the workshop.*
- ***The organisers of this Workshop will not assume responsibility for the following expenditure in connection with the participant's attendance in the Workshop:***
 - *Expenses incurred with respect to any insurance, medical bills or hospitalisation fees.*
 - *Compensation in the event of death, disability or illness of participants.*
 - *Loss of personal belongings or compensation for damage caused to them by climatic or other conditions.*
 - *Other costs, including airport tax and excess baggage.*

Contact Details

NAM S&T CENTRE

Prof. Dr. Arun P. Kulshreshtha,

Director General,

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Address, Tel. and E-mail: (O) as above.

CSIR-CENTRAL LEATHER RESEARCH INSTITUTE (CLRI), CHENNAI, , INDIA

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**CENTRE FOR SCIENCE AND TECHNOLOGY
OF THE NON-ALIGNED AND OTHER DEVELOPING COUNTRIES
(NAM S&T CENTRE)**

International Training Workshop

On

**Developing Key Parameters for Ensuring Sustainability of
Leather Sector in Developing Countries**

CHENNAI, INDIA

28-31 JANUARY 2019

NOMINATION FORM

Please affix your scanned photograph
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*PLEASE TYPE OR USE BLOCK CAPITALS;
NO COLUMN SHOULD BE LEFT BLANK*

SECTION –A

(To be filled in by the nominee)

- 1 Name (Prof/Dr/Mr/Mrs/Ms):
(As in Passport)
2. Father's/Spouse Name:
- 3 Designation (Position held):
4. Nationality:
- 5 Date of Birth: Place of Birth (City) (Country).....
- 6 Passport No:Place of issue:
Date of Issue: Valid up to:
(Please attach copies of the relevant pages of your Passport)
- 7 Name of the Parent Institution (Employer):
Full Address (Office):
.....
Phone: Fax:
E-mail:
- 8 Full Address (Home):
.....
Phone: Mobile:
Fax: E-mail:

- 9 Educational Qualifications: Highest Degree.
 Year of Award: University:
 Field of Study:
- 10 Brief Bio data (CV):
(Maximum two pages, in MS Word; to be attached on separate sheet)
- 11 Abstract of your paper proposed to be presented in the Workshop.
(About 1-2 pages, in MS Word; to be attached on separate sheet)
- 12 What in your opinion qualifies you for participation in this workshop?
 (To be attached on separate sheet)

Date: Signature:

SECTION -B

ENDORSEMENT BY NOMINATING AUTHORITY

(The Applicant in a member country of the NAM S&T Centre may get the following endorsement signed by the Focal Point of the Centre in his/her country, *if he/she wishes to take advantages accrued to the official nominee of the country.* For the list of member countries and names/addresses of the Focal Points please visit the Centre's website www.namstct.org.)

Signature:

Name (in full):

Designation:

Date:

SEAL

Enclosures;

1. Scanned copies of the relevant pages of the nominee's Passport
2. Brief CV (maximum two pages, **in MS Word**)
3. Abstract of Paper proposed to be presented in the Workshop (about 1-2 pages, **in MS Word**)