

# CLRI – World's Largest Leather Research Body

## A Dependable Source for Technologies & Services

### Knowledge Basket

- ♣ **Leather Processing**
  - ❖ Lime/sulfide free dehairing
  - ❖ Bio-processing for leather making
  - ❖ Multitone Dyeing
- ♣ **Leather Chemicals**
  - ❖ Mineral Syntan
  - ❖ Vegetable / Non-mineral /Protein based Syntan
  - ❖ Finishing Auxiliaries
- ♣ **Enzymatic products for application in eco-friendly leather processing**
- ♣ **Environmental technology**
  - ❖ For removal of TDS, E.Coli., dissolved organics
  - ❖ Water/Effluent treatment
  - ❖ Secured Landfill
- ♣ **Devices**
  - ❖ For Leather Processing
  - ❖ 2-D Testing
- ♣ **Value added products from wastes**
  - ❖ Parchment like material from Chrome shavings
  - ❖ Leather like sheet using buffing dust
  - ❖ Dog Chews & Animal Feeds
- ♣ **Health Care Products**
  - ❖ Wound healing
  - ❖ Bone related
  - ❖ Ophthalmic Applications
- ♣ **Products**
  - ❖ Novel insole Sheet
  - ❖ Carbon Nano Tubes
- ♣ **Softwares**
  - ❖ INNOEST-Innovative Footwear Norms Estimator
  - ❖ SWAD- a Software for Anaerobic Digester Designer
  - ❖ PRETREAT, Design Software for Pretreatment System in Tanneries
  - ❖ PRESFOOT, an integrated software for prescription of footwear design based on computational risk category estimation

**Knowledge leads are IP protected in India and Abroad**

CLRI - The Implementing Agency for  
IDLS / HRD Mission / Global Benchmarking Schemes  
of Govt. of India

### Range of Consultancy Services

- ♣ Waste water Treatment & Environmental Audit
- ♣ Industrial Safety & Risk Consequences
- ♣ Design of Leather Complex and preparation of Techno Economic Feasibility Reports
- ♣ Designing ETPs / CETPS
- ♣ Technology Forecasting and Planning
- ♣ Survey and Assessment of resource potentials
- ♣ Database for Indian Leather Sector
- ♣ Creative Leather Product Design & Fashion Forecasting

### Education & Training Programmes

- ♣ UG and PG Programmes in Leather and Footwear (In association with Anna University, Chennai)
- ♣ Vocational Training Programmes in Leather Goods, Garments & Footwear
- ♣ Executive Training Programmes
- ♣ Specialized Programmes for International Participants

### State-of-the-art Testing Facilities

- ♣ Testing Eco-Sensitive Chemicals
- ♣ SATRA Accredited lab for physical testing of leather / footwear

### New Millennium Indian Technology Leadership Initiative (NMITLI)

- ♣ Paradigm shift in Leather manufacture from chemical to bio-processing
- ♣ CLRI provides expertise in lead selection and coordination
- ♣ Ambient preservation, enzyme only processing and microbial reduction of sulfate to sulfur in tannery effluents form themes



**Striving for Excellence and Global Leadership in Leather Technology**

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