

## Lifelines

**Dr. Ruby Shekinah** is currently working as a Project Assistant in CSIR-Central Leather Research Institute (CLRI), Chennai, India. She has completed her M.Sc. Biochemistry. Her areas of interest are nanotechnology and microbiology. Her primary research focus in CSIR-CLRI has been on sustainable leather processes.

**Dr. K. Saranya** is currently working as a Senior Project Assistant in CSIR-CLRI. She has completed her Ph.D. in marine microbiology. Her areas of expertise are environmental microbiology, agricultural microbiology, and marine microbiology. Her primary research focus in CSIR-CLRI has been on leather waste management/ utilization where she has effectively utilized her technical expertise for the benefit of the leather sector.

**Dr. Sujata Mandal** is a Senior Principal Scientist in the CSIR-Central Leather Research Institute (CLRI), Chennai, India. Her research interests include analytical science, materials characterization and development of inorganic nanomaterials and nanocomposite materials for various applications. She has made notable contributions towards materials development, materials characterization, human resource development, and analytical services for the leather sector since joining CSIR – CLRI in 2011. Her research findings led to 3 patents and more than 50 research publications in National/International journals/books. Email: sujata@clri.res.in.

**Dr. Swarna V Kanth** is a Chief Scientist at the Centre for Human and Organizational Resources Development (CHORD) at CSIR-Central Leather Research Institute (CSIR-CLRI), Chennai. She has been contributing to the field of leather science and technology for the past 28 years and specializes in leather biotechnology, enzyme technologies applicable for environmental applications, and cleaner leather production. She has 70 international research publications, 150 Indian and international conference research papers and a patent to her credit. She has notable achievements in human resource development in providing technically trained human resources to the Indian leather and leather products sector at various levels of management. She has a strong expertise in the creation of an international skill ecosystem for the leather sector of the respective countries which has benefitted participants from over 30 countries.

**Roza MIRZAMURATOVA** graduated from the Faculty of Light Industry in 1998 in the city of Taraz, there she worked as a design engineer at the factory, after which she taught at college. Since 2011, she has been teaching at the M.Auezov South Kazakhstan University. From 2020 years as a doctoral student of M. Auezov South Kazakhstan University Textile and Food Engineering

High School, Technology and Design of Light Industry Products Department, Shymkent, Kazakhstan is conducting research on the leather industry, has completed an internship at the Ege University. Completed an internship in Italy, Turkey and Romania in the framework of ERASMUS +REILEAP –Reinforcing capacities of HEIs for leather and leather products in Uzbekistan-Kazakhstan.

**Eser EKE BAYRAMOĞLU**, She is the world's first female leather professor in the field of leather. She is working as full Professor at Ege University, Faculty of Engineering, Department of Leather Engineering. Currently teaches courses in Leather Microbiology, Hazardous Fungi during Leather Production, Leather Production Practice, Microorganism Control for the Leather Industry, Finishing materials and techniques, Leather handicrafts, Marketing and Parchment Production Technology. She has relevant skills and rich experience on the research of leather making technology and new product development from green chemicals. She also gives lectures about leather technology abroad. She has won 24 awards since 1993 including 17 publication awards. She created a microbiology laboratory in her department. She also worked with her graduate student for establishing a cosmetic company Flamel Chemistry as an official consultant who is producing Keratin from waste hair and wool.

**Gulzinat Yeldiyar** graduated from the Leather Technology Department in 2002, and obtained her MSc (2005) and PhD (2012) from Leather Engineering Department at Ege University, Izmir, Turkiye. Currently, she works at the Technology and design of Light Industry Products Department and is the project manager of Erasmus + Project REILEAP at Auezov University, Shymkent, Kazakhstan. Her main research and interest fields are eco-friendly technologies in leather and textile engineering, 3 R, footwear materials and nonwoven technology.

**Jessica Valéria de Campos** is a biotechnologist and received her Ph.D. in biotechnology from the Federal University of São Carlos (UFSCAR, São Carlos, Brazil) in 2022. Her research thesis focused on the characterization of scaffolds based on anionic type I collagen for treating skin lesions.

**Fernanda Ramalho Procopio** is a food engineer and received her Ph.D. in Food Engineering from the University of Campinas (UNICAMP, Campinas, Brazil) in 2022. Her research thesis focused on the microencapsulation of natural extracts and their incorporation in biopolymer films. Her key areas of interest are bioactive compounds, microencapsulation, biopolymer films and collagen.

**Waldomiro Barioni Júnior** is a researcher at the Brazilian Agricultural Research Corporation/Embrapa Southeast Livestock (CPPSE), working on the planning and statistical analysis of agricultural experiments. He received his Bachelor's in Statistics from the University of Campinas (UNICAMP, Campinas, Brazil) in 1987 and his master's degree in Statistics and Agronomic Experimentation from the University of São Paulo (USP, Piracicaba, Brazil) in 1995.

**Ana Rita de Araujo Nogueira** is a researcher at the Brazilian Agricultural Research Corporation/Embrapa Southeast Livestock

(CPPSE), working on the validation and development of analytical methods by spectroscopic techniques applied to agronomic samples. She is a chemist and received her Ph.D. in analytical chemistry from the University of São Paulo (USP, São Carlos, Brazil) in 1993.

**Manuel Antonio Chagas Jacintho** is a researcher at the Brazilian Agricultural Research Corporation/Embrapa Southeast Livestock (CPPSE), working on the processing and characterization of skins and leather. He is an ecologist and received his Ph.D. in animal production from the São Paulo State University (UNESP, Jaboticabal, Brazil) in 2000.

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