

1. Record Nr.	UNISA996635565103316
Titolo	The 10th International Conference on Advanced Materials and Systems (ICAMS 2024)
Pubbl/distr/stampa	Warsaw ; ; Berlin : , : Sciendo, , [2024] 2024
ISBN	9788367405805 8367405803
Edizione	[1st ed.]
Descrizione fisica	1 online resource
Soggetti	Technology & Engineering / Materials Science / General
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Frontmatter -- Table of Contents -- Optimisation of the Conductive Materials Development for Sensors and EM Shielding -- Antibacterial Coating for Shoe Insoles with Titanium Dioxide Nanoparticles -- Textile-Based Footwear Linings Functionalized with Laurel Oil Microparticles: Antimicrobial Protection -- Review of Tannins Currently Used in the Leather Industry. Part 1: Hydrolysable Tannins -- Review of Tannins Currently Used in the Leather Industry. Part 2: Condensed Tannins -- Short Review on Keratin Synthesis and Its Application as a Bio Reinforcement and Flame Retardant Agent in Polymer Composites -- Enzymes in Wet-Blue Neutralization: Effect on Processes and Leather Properties -- Research on Building Management Model and Enterprise Resource Planning for Footwear Businesses in Vietnam -- Collagen Extracted from Perch Skin: Rheological Characterization and in vivo Animal Studies -- Morphological Characterization of Chemically Carbon-Conductivized Cotton -- BioShoes4All – Innovative Green Materials, Processes and Products -- Exploring the Educational Potential of Video Games in the Digital Age -- The Effect of Cerium Dioxide Nanoparticles on the Bradyrhizobium japonicum Population -- Wound Dressings Films Based on the Citric Acid Modified Starch -- Antifungal Activity of Endophytic Bacteria Associated with Antarctic Vascular Plants -- Improvement of Parchment Technology -- Effect of Long-Term Storage on the Properties of an Enzyme-Containing

Preparation from Fish Waste -- Surfactant Influence on the Synthesis of Zinc Oxide Nanoparticles as Potential Antimicrobial Treatment for Textiles -- Collagen/Albumin-Based Matrices Designed for Vaginal Administration of a Non-Steroidal Anti-Inflammatory Drug -- Microorganisms Degrading Polyurethane for Footwear Waste Valorisation -- Impact of Educational Popularization of Genetics on the Development of Society -- Procedure for the Circulation of Documents to Support the Digitalization Process in Public Institutions -- Potential of Silver Nanoparticles in Imparting Antimicrobial Properties to Leather -- Production and Performance Enhancement of Transparent and Shadow Puppet Show Leathers -- Review on Soundboard in Rebab-Making. Part I: Structure of Rebab, Skin, and Bovine Pericardium -- Review on Soundboard in Rebab-Making. Part II: Relationship Between the Mechanical Behavior of Bovine Pericardium and Sound -- Morphological Characteristics and VOC Content of Agricultural Substrates -- The Impact of Laser Finishing on Leather Properties -- Modification of Chemical Fibers with Plant Polyphenols to Improve Their Sorption Properties -- Comparative Assessment of Surface Properties for Some Hydrocolloid Systems based on Hyaluronic Acid and Carbomer 940 -- Fabric Database for E-Learning Platform in the Field of Virtual Clothing Prototyping -- Histogrammally Comparing Mathematical Simulation Results in Modeling a Stochastic Process Exhibiting both Continuous and Discrete Variations -- Implementing Jacobi Algorithm versus Gauss-Seidel Algorithm in Solving a Discretized Problem -- Design of New Structured Bioemulsions, Based on Vegetable Extracts and Surfactants, Using Innovative Biotechnologies -- Study on the Composition of Vulcanized Rubber Mixtures from Waste Tire -- Development and Characterization of Salicylic Acid-based Microemulsions for Topical Application -- Functional Clothing Design for the Elderly -- Antibacterial-Treated Textiles with Natural Active Compounds -- Green Biosynthesis of AgNPs By Lactobacillus acidophilus and Their Use -- Evaluation of the Efficiency of Liquid Leather Finishing Using Polymers and Modified Fats

Sommario/riassunto

The 10th International Conference on Advanced Materials and Systems (ICAMS 2024) will be held in the South-Eastern region of Europe and is focused on the field of Materials Science. It is organized by the National Research and Development Institute for Textiles and Leather - Leather and Footwear Research Institute Division (INCDTP-ICPI), Bucharest, Romania, and will take place online on October 30-31, 2024. ICAMS 2024 aims to highlight recent developments in material science and technology, covering a wide range of topics from theoretical research and experimental approaches to industrial practice. The conference seeks to gather eminent scientists, technologists, and young researchers from various disciplines around the world to provide a common platform for discussing their achievements and the newest directions of research. Scientific Program Features: Plenary sessions Invited talks Oral presentations Conference Topics: Advanced Materials and Nanomaterials Biomaterials and Biotechnologies Innovative Systems, Technologies, and Quality Management Ecological Processes for a Circular and Neutral Economy Creative Industries and Cultural Heritage Education and Digitalization Submission of papers via the Editorial Manager Conference date, place 30-31 October 2024, online Conference Organizer The National Research and Development Institute for Textiles and Leather (INCDTP) – Leather and Footwear Research Institute Division (ICPI) Article Processing Charge (APC) The conference participation fee is 150 euro, with a discounted fee of 75 euro for PhD students, and covers participation with two full papers as first author. After September 30th, the fees are 200 and 100 euro,

respectively. Editor-in-Chief Laurenia Alexandrescu, INCDTP-ICPI, Romania
Managing Editor Dana Guru, INCDTP-ICPI, Romania
Editorial Policy Scientific Committee Paper Template Organizing Committee
Instructions for authors Guidelines for reviewers ICAMS 2024 Final
Program
