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Nota di contenuto	Antibacterial activity of polyamide and high-density polyethylene nets grafted with polyethylene glycol -- Ecofriendly Extraction of Natural Dye From Waste of Cucurbita Pepo Using Assisted Microwave Method -- Adsorption studies of atrazine herbicide from aqueous solutions using Typha australis as an inexpensive adsorbent: A preliminary investigation -- Use of nanofluid to improve the efficiency of photovoltaic panel -- Kinetic study of dyeing (PET/PTT) bicomponent polyester textiles using ecofriendly carriers -- Preliminary Physicochemical and Phytochemical Study of Seeds of Ziziph us mauritiana -- Effect of some parameters on the efficiency of solar distiller -- Reuse of grain waste as abrasive particles -- Tear strength properties of recycled denim fabrics under mixed washing using Smart Foam technology -- Study of Solar Heating process of Greenhouse in the Gabès Region -- Ergonomic study and work transformation in a clothing industry.
Sommario/riassunto	This book presents the selected papers presented at the Third International Congress of Applied Chemistry & Environment (ICACE-3) that took place on May 27-29, 2022. The topics of the conference

covers topics from the thematic sections: (1) Environment and Climate Change; (2) Green Chemistry and Natural Substances; (3) Biobased Materials and Nanomaterials; (4) Sustainable Textiles and Clean Processes. For this edition of the conference, it is devoted to present the advantage to use annual plants and/or lignocellulose material as sources for production of fibers and/or cellulose derivatives and/or nanocellulose material with focus on their processing, properties and applications. This book benefits lecturers, students, researchers and industrialists who are working in the field of natural fiber especially in order to preserve the forest resource and to satisfy the increasing demand in pulps.
