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Nota di contenuto	1. Green Methods of Chemical Analysis and Pollutant Removal -- 2. Fundamental Principles to Address Green Chemistry and Green Engineering for Sustainable Future -- 3. Green Synthesis of Chalcone Derivatives Using Chalcones as Precursor -- 4. Mechanochemistry in Organocatalysis: A Green and Sustainable Route toward the Synthesis of Bioactive Heterocycles -- 5. Eco-Sustainable Catalytic System for Green Oxidation of Spirostanic Alcohols Using Hypervalent Iodine (III) Tempo-4-n-Acetoxyamine System -- 6. Potassium Persulfate as an Eco-Friendly Oxidant for Oxidative Transformations -- 7. Thermally Activated Delayed Fluorescence (TADF) Compounds as Photocatalyst in Organic Synthesis: A Metal-Free Greener Approach -- 8. Green Chemistry Applied to Transition Metal Chalcogenides through Synthesis, Design of Experiments, Life Cycle Assessment, and Machine Learning -- 9. Canceled: Linkage between Urban Aerosols Distribution and Large-Scale Circulation -- 10. Biopolymers -- 11. New Frontier of Plant Breeding Using Gamma Irradiation and Biotechnology -- 12. Green Preparation of Fe2O3 Doped Gum Acacia Derived Porous Carbon/Graphene Ternary Nanocomposite as a Supercapacitor Electrode -- 13. Recent Advances in the Green Synthesis of Lanthanide-Based Organic Compounds for Broad Application Spectrum in Different Sectors: A Review -- 14. Ascorbic Acid-assisted Green Synthesis of Silver Nanoparticles: pH and Stability Study.
Sommario/riassunto	Green Chemistry - New Perspectives is at the frontiers of this continuously evolving interdisciplinary science, and publishes research

that attempts to reduce the environmental impact of the chemical enterprise by developing a technology base that is inherently non-toxic to living things and the environment. The book covers all aspects of green chemistry, including chemical synthesis, nano synthesis, eco-friendly processes, biomass, extraction techniques, environmental remediation, and energy, making it a unique reference resource. This will continue to encourage scientists around the world to develop novel synthetic methods or improve the existing ones to circumvent some of the problems and favours all aspects of green chemistry. This book is intended for academia, professionals, scientists, as well as graduate and undergraduate students without any geographical limitations.