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Titolo	Green Chemistry: Synthesis of Bioactive Heterocycles [[electronic resource] /] / edited by K. L. Ameta, Anshu Dandia
Pubbl/distr/stampa	New Delhi : , : Springer India : , : Imprint : Springer, , 2014
ISBN	81-322-1850-7
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (418 p.)
Disciplina	547.59
Soggetti	Bioorganic chemistry Medicinal chemistry Inorganic chemistry Bioorganic Chemistry Medicinal Chemistry Inorganic Chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Synthesis of Heterocycles through Multi-component Reactions in Water -- Sustainable Approaches towards the Synthesis of Quinoxalines -- Eco-friendly Synthesis of Bioactive Heterocycles -- Ammonium and Phosphonium Based Ionic Liquid: Green and Reusable Catalysts -- An Approach towards Green Switch through Nano catalysis for the Synthesis of Biodynamic Heterocycles -- Microwave Induced Synthesis of Various Quinoline Derivatives: Green Methodologies in Organic Synthesis -- Imidazolium Ionic Liquids: An Environment Friendly Medium for Various Applications -- Water: A Benign Solvent for the Synthesis of Various Organic Moieties -- Synthesis and synthetic applications of Biologically interesting Rhodanine and Rhodanine-based Scaffolds -- Molecular Iodine: Mild, Green and Nontoxic Lewis Acid Catalyst for the Synthesis of Heterocyclic Compounds -- Microwave Radiations: A Tool for the Synthesis of Heterocycles in an Eco-friendly Manner -- Green Chemistry Approach using Heterogeneous Catalysts in the Heterocyclic Synthesis -- Synthesis and Biological Evaluation of Some Quinazoline Heterocyclic Derivatives.
Sommario/riassunto	The book presents a succinct summary of methods for the synthesis

and biological activities of various different-sized bioactive heterocycles using different green chemistry synthetic methodologies, like microwave, ultrasonic, water mediated, ionic liquids, etc. The book also provides an insight of how green chemistry techniques are specific to the bioactive heterocyclic compounds.
