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Sommario/riassunto	This book summarizes fundamentals and advanced topics of green chemistry and highlights the importance and impact of green chemistry over traditional synthetic methods. It discusses about the importance and scope of the catalytic protocols in green chemistry and their application in daily life. Alternate green energy approaches discussed in this book underline the importance of efficiency enhancement with simultaneous energy demand reduction by replacing the dependence on non-renewable energy resources. Various topics covered in this book include green solvents, energy-efficient approach for organic synthesis, catalysis, biocatalysis, and green approach in pharmaceutically important molecules and drugs. The book will be a valuable reference for beginners, researchers, and professionals interested in sustainable green chemistry and their scope in allied fields.