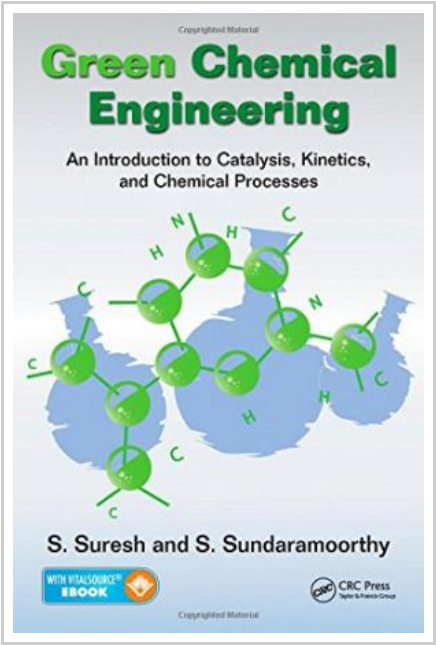




# Green Chemical Engineering: An Introduction to Catalysis, Kinetics, and Chemical Processes (Mixed media product)

By S. Sundaramoorthy

Taylor Francis Inc, United States, 2014. Mixed media product. Book Condition: New. 257 x 180 mm. Language: English . Brand New Book. While chemical products are useful in their own right-they address the demands and needs of the masses-they also drain our natural resources and generate unwanted pollution. Green Chemical Engineering: An Introduction to Catalysis, Kinetics, and Chemical Processes encourages minimized use of non-renewable natural resources and fosters maximized pollution prevention. This text stresses the importance of developing processes that are environmentally friendly and incorporate the role of green chemistry and reaction engineering in designing these processes. Focused on practical application rather than theory, the book integrates chemical reaction engineering and green chemical engineering, and is divided into two sections. The first half of the book covers the basic principles of chemical reaction engineering and reactor design, while the second half of the book explores topics on green reactors, green catalysis, and green processes. The authors mix in elaborate illustrations along with important developments, practical applications, and recent case studies. They also include numerous exercises, examples, and problems covering the various concepts of reaction engineering addressed in this book, and provide MATLAB(R) software used for developing computer codes and solving...

### Reviews

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