

# Books by MIT ChemE Faculty

MIT Chemical Engineering Faculty have written many seminal texts still being used in chemical engineering education today. Here is a list of some of the most recent titles by our faculty:

[Lectures in Classical Thermodynamics with an Introduction to Statistical Mechanics, 2021](#)

Daniel Blankschtein

[Combustion Aerodynamics \(Fuel and energy science series\)](#)

János M. Béer

[“Perspectives in Chemical Engineering”, Advances in Chemical Engineering,](#)

Volume 16, Academic Press, 1991. Edited by C.K. Colton

[Physical Principles of Food Preservation, second edition, revised and expanded](#)

Marcus Karel

[Development of Sustainable Bioprocesses: Modeling and Assessment](#)

Charles Cooney

[Fermentation and Enzyme Technology \(Techniques in Pure and Applied Microbiology\)](#)

Daniel I. C. Wang

Charles L. Cooney

[Metabolic Engineering Principles and Methodologies](#)

Gregory N. Stephanopoulos

[Dynamics of Polymeric Liquids](#). Volume 1: Fluid Mechanics

Robert C. Armstrong

[Dynamics of Polymeric Liquids](#). Volume 2: Kinetic Theory

Robert C. Armstrong

[Analysis of Transport Phenomena](#)

William M. Deen

[Chemical Process Control: An Introduction to Theory and Practice](#)

George Stephanopoulos

[Intelligent Systems in Process Engineering](#)

George Stephanopoulos

[Sustainable Energy – Choosing Among Options](#)

Jefferson Tester

[Sustainable Energy – Choosing Among Options](#) (2nd Edition)

Jefferson Tester

[Thermodynamics and Its Applications](#) (3rd Edition)  
Jefferson Tester

[Energy and the Environment in the 21st Century](#)  
Jefferson Tester

[Heat Mining](#)  
Jefferson Tester