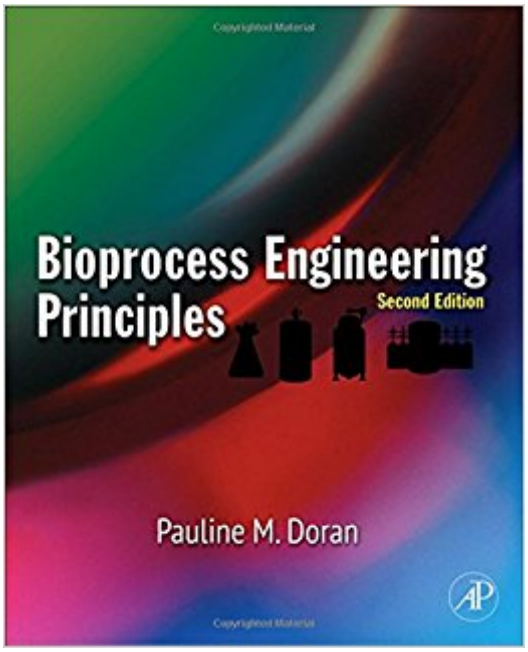
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Bioprocess Engineering Principles, Second Edition



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Synopsis

This welcome new edition discusses bioprocess engineering from the perspective of biology students. It includes a great deal of new material and has been extensively revised and expanded. These updates strengthen the book and maintain its position as the book of choice for senior undergraduates and graduates seeking to move from biochemistry/microbiology/molecular biology to bioprocess engineering.All chapters thoroughly revised for current developments, with over 200 pgs of new material, including significant new content in: Metabolic Engineering, Sustainable Bioprocessing, Membrane Filtration, Turbulence and Impeller Design, Downstream Processing, Oxygen Transfer SystemsOver 150 new problems and worked examplesMore than 100 new illustrations

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Customer Reviews

"Doran (Swinburne U. of Technology, Australia) revises her 1995 graduate and undergraduate textbook for students of molecular biology, biotechnology, and related disciples who have little or no engineering background but want to become familiar with the processes by which biological discoveries are transformed into commercial products. Her emphasis is on the underlying scientific and engineering principles rather than on specific biotechnology applications, she says, so most of the material in the first edition remains relevant. There have been some significant developments, however, and she includes new sections on sustainable bioprocessing and metabolic engineering. Overall, she covers introductory matters, material and energy balances, physical processes, and

reactions and reactors." --Reference and Research Book News, October 2012

By Pauline M. Doran

This is a good book it was required for one of my courses but does a good job of explaining concepts. However it is very technical, cold and dry so if you need something else to learn with this is not the book for yoU!

It ’s great.

I love it!!

Great book. Info is not only easy to find, but plentiful. I recommend it to anyone going into biological engineering.

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