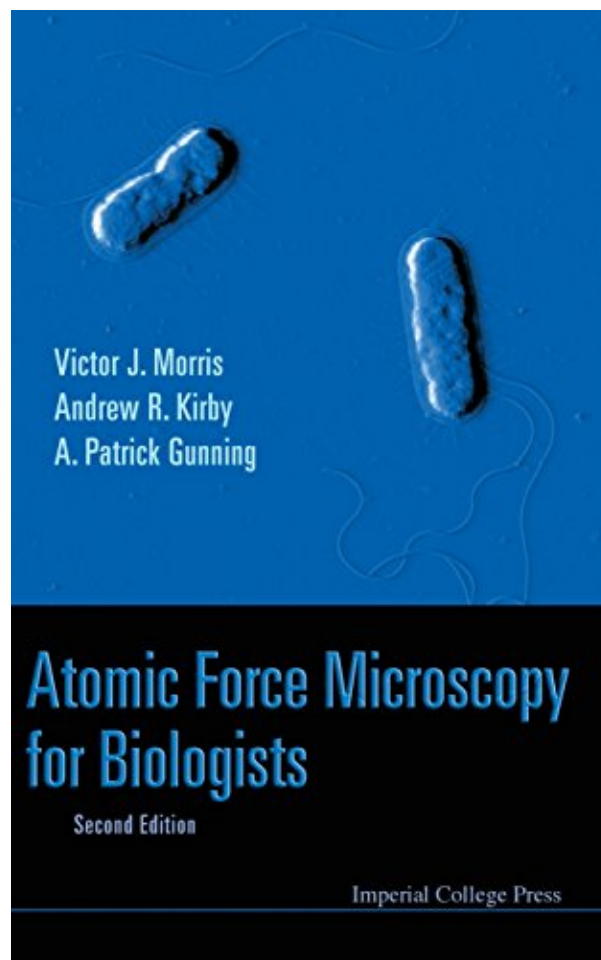
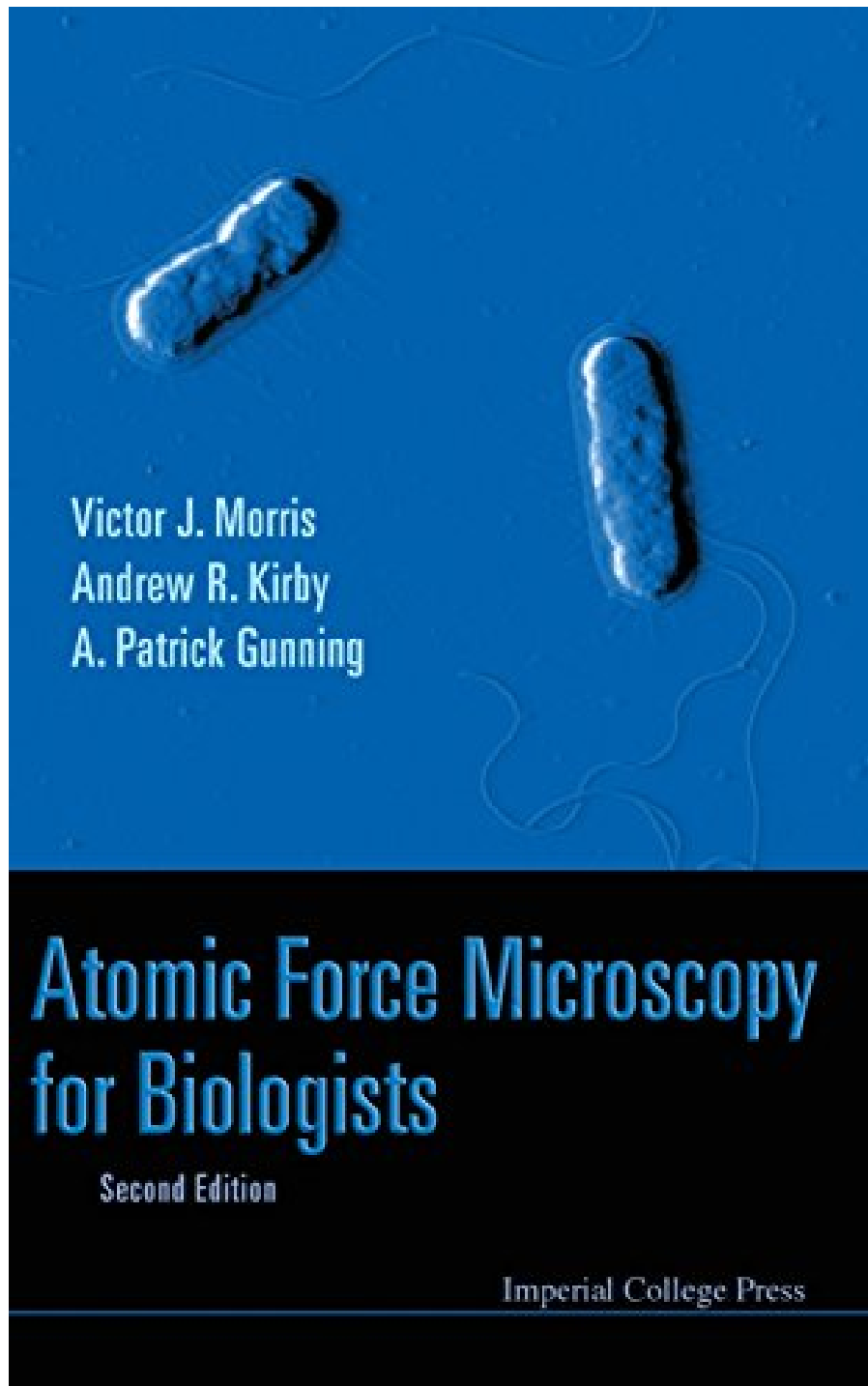


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Victor J. Morris  
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# Atomic Force Microscopy for Biologists

Second Edition

Imperial College Press

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## Review

This second edition of an excellent book updates considerably the information contained, and is expanded, too. The main focus of this book are the biological applications of AFM, and these are covered very well ... The chapters are in-depth and very informative, and contain lots of useful and detailed information. In general the book is well written with an informal style, and contains useful information for beginners, including detailed information on how to carry out some experiments, answers to common questions, etc. ... Overall this book is highly recommended for those wishing to get an overview of the biological applications of AFM. --Peter Eaton, University of Porto, Portugal

## From the Inside Flap

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4 of 5 people found the following review helpful.

Unravelling Biological Applications of SPM

By Drew Murray

"Atomic Force Microscopy for Biologists" is an excellent introduction for anybody wishing to enter this field. Nearly all aspects are covered. The book opens with an overview of the theory behind Atomic Force Microscopy and the different modes of use. This is presented in a concise manner without over-reliance on complex mathematical equations. Unlike many other volumes, practical advice on sample preparation techniques is provided for common systems such as proteins, cells and DNA. A comprehensive review of leading research in this area at the time of publication is sectioned by biomaterial type. Different approaches to imaging are tackled. The text is supported by numerous supporting images.

In summary I would strongly recommend this book to any biologist planning on carrying out research using SPM imaging techniques and existing users in the field who wish to broaden their knowledge of SPM imaging and the research already carried out in common biological systems.

4 of 5 people found the following review helpful.

A powerful tool in biological sciences

By Prof. Y.F. Dufrêne

Atomic force microscopy (AFM) is one technique in a family of new microscopies called scanning probe microscopies (SPMs) which has recently opened a wide range of novel, fascinating applications for biologists (biochemists, biophysicists, cell biologists, microbiologists,...). This book provides an excellent survey of those applications. It is nicely illustrated with numerous images from leading experts in the field. Clear descriptions of the apparatus and its basic principles are provided in a way accessible to students/scientists that do not have a strong physics background. This book will be useful to biologists, but also non-biologists dealing with biosystems, to evaluate the advantages and limitations of AFM in their specific field and to define appropriate procedures that will lead them to successful experiments.

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