Methods in Biotechnology

Seung-Beom Hong, M. Bazlur Rashid, Lory Z. Santiago-Vzquez
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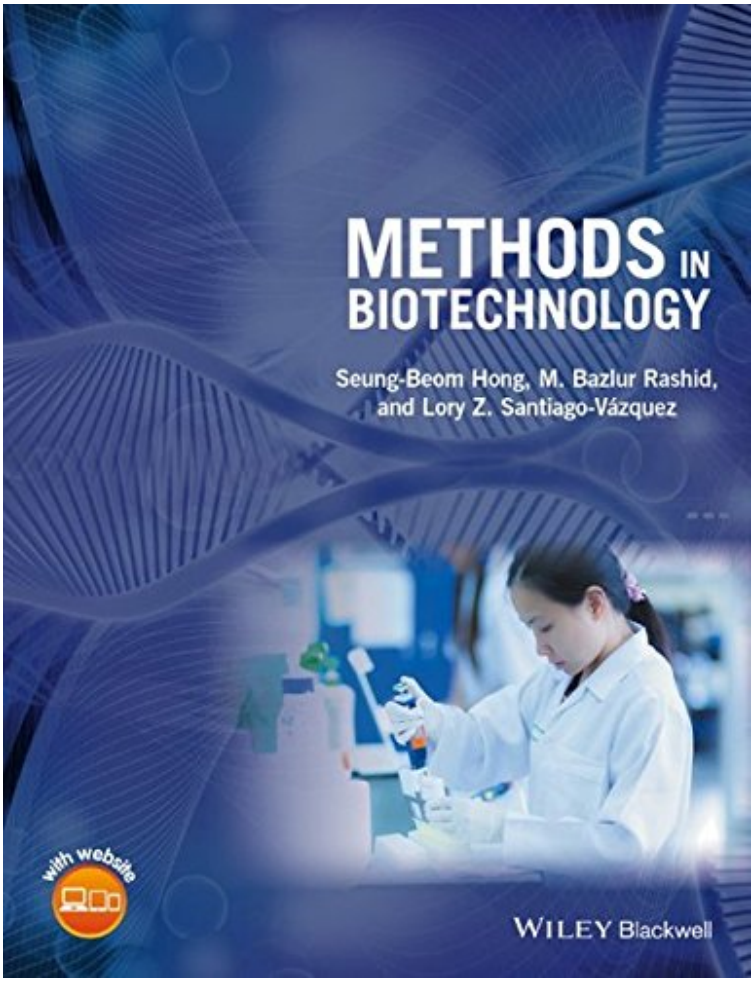

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Seung-Beom Hong, M. Bazlur Rashid, Lory Z. Santiago-Vzquez : Methods in Biotechnology before purchasing it in order to gage whether or not it would be worth my time, and all praised Methods in Biotechnology:

As rapid advances in biotechnology occur, there is a need for a pedagogical tool to aid current students and laboratory professionals in biotechnological methods; Methods in Biotechnology is an invaluable resource for those students and professionals. Methods in Biotechnology engages the reader by implementing an active learning approach, provided advanced study questions, as well as pre- and post-lab questions for each lab protocol. These self-directed study sections encourage the reader to not just perform experiments but to engage with the material on a higher level, utilizing critical thinking and troubleshooting skills. This text is broken into three sections based on level Methods in Biotechnology, Advanced Methods in Biotechnology I, and Advanced Methods in Biotechnology II. Each section

contains 14-22 lab exercises, with instructor notes in appendices as well as an answer guide as a part of the book companion site. This text will be an excellent resource for both students and laboratory professionals in the biotechnology field.

From the Back CoverAs rapid advances in biotechnology occur, there is a need for a pedagogical tool to aid current students and laboratory professionals in biotechnological methods; Methods in Biotechnology is an invaluable resource for those students and professionals. Methods in Biotechnology engages the reader by implementing an active learning approach, provided advanced study questions, as well as pre- and post-lab questions for each lab protocol. These self-directed study sections encourage the reader to not just perform experiments but to engage with the material on a higher level, utilizing critical thinking and troubleshooting skills. This text is broken into three sections based on level Methods in Biotechnology, Advanced Methods in Biotechnology I, and Advanced Methods in Biotechnology II. Each section contains 14-22 lab exercises, with instructor notes in appendices as well as an answer guide as a part of the book companion site. This text will be an excellent resource for both students and laboratory professionals in the biotechnology field.Uniquely implements a holistic approach to biotechnology that lends itself well to use for both instruction and research in advanced biotechnology laboratoriesProvides a scheduled framework for students learning advanced laboratory techniques and how to design experiments and interpret resultsIncludes basic biochemical techniques and bioinformatics exercises, as well as laboratory mathematics practice problem sets (with answer keys)Encourages students to engage in a higher level of critical thinking and troubleshooting, rather than simply performing experimentsIncludes access to a companion website hosting book content including figures, tables, etc. About the AuthorsSeung-Beom Hong is a Visiting Assistant Professor of Biotechnology at the University of Houston-Clear Lake in Houston, USA.M. Bazlur Rashid is an Associate Professor of Biology and Biotechnology and former Program Chair of Biotechnology at the University of Houston-Clear Lake in Houston, TX, USA.Lory Z. Santiago-Vzquez is an Associate Professor of Biotechnology at the University of Houston-Clear Lake in Houston, TX, USA.