Bioseparation and Bioprocessing: A Handbook, 2 Volume Set (v. 1)

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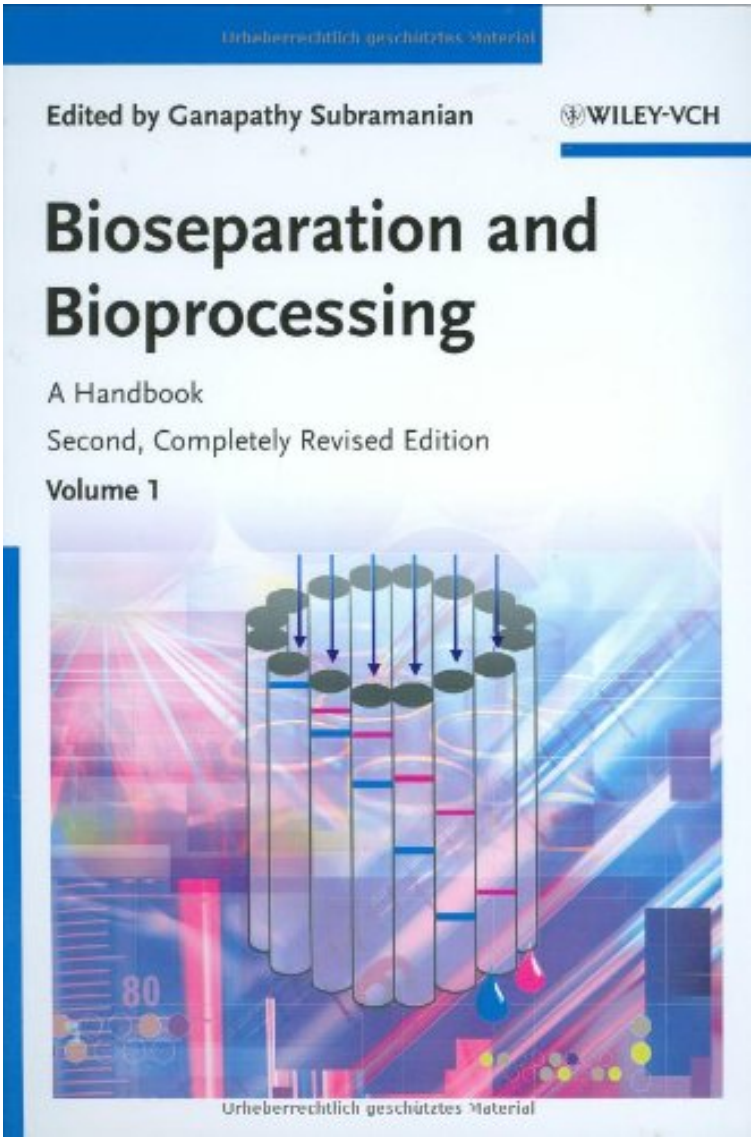

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From Wiley-VCH : Bioseparation and Bioprocessing: A Handbook, 2 Volume Set (v. 1) before purchasing it in order to gage whether or not it would be worth my time, and all praised Bioseparation and Bioprocessing: A Handbook, 2 Volume Set (v. 1):

In this new edition of the only resource to systematically cover all post-production issues, over 70% of the content is

new or rewritten in line with the rapidly evolving technology in the field. By combining the experience of academic experts, managers from the pharmaceutical and biotech industry, as well as independent consultants, biological product recovery is viewed from every possible angle, including biosafety and regulatory issues.

The editor has done an excellent job in bringing together such a comprehensive group of authors all of whom have a great deal of expertise in their own particular fields. All the chapters are well written and give a balanced critique of the subject in a clear and readable style. These two volumes provide a good basis for understanding the requirements of separation/purification in biotechnology and options available when designing a strategy. It is recommended reading for all those involved in biotechnology who need to appreciate the problems associated with obtaining a commercially viable product. BIOSEPARATIONFrom the Back CoverAn increasing amount of pharmaceuticals, diagnostics and nutraceuticals nowadays are biomolecules manufactured by way of a biotechnological process. To recover the desired product from the biological raw material, elaborate cleaning and separation procedures are required, often followed by post-extraction processing steps. Featuring over 70% new or rewritten content to keep pace with the rapidly evolving technology in this field, the new edition of the "Bible" on the technology behind biopharmaceuticals production offers unmatched quality and scope in two topical volumes. It remains the only resource to systematically cover all post-production issues. Alongside coverage of antibodies and other biopharmaceuticals, diagnostics and food additives, this reference also treats recent developments in cleaning, separation and processing of biomolecules, as well as the increasingly important issues of process development, quality control and validation. The biological safety required for working with infectious or genetically modified production organisms is also discussed. From the contents: Volume 1 Strategy and development Bioprocess and early DSP Preparative (chromatographic) methods Volume 2 Specific bioprocesses and separation methods Safety, quality control, validation and regulatory considerations Analytical methods and technologies By combining the experience of academic experts, managers from the pharmaceutical and biotech industry, as well as independent consultants, this book allows biological product recovery to be viewed from every possible angle. An invaluable companion for biotechnologists, pharmaceutical engineers, and process engineers, as well as those working in the pharmaceutical, biotechnological, chemical and food industries.About the AuthorDr. Ganapathy Subramanian is a biotechnology consultant with over 30 years experience in both industry and academia, in the application and development of processing, purification methodologies and chromatographic systems for large-scale use in environmental science, food science, perfumery cosmetics and pharmaceuticals. He has also taught extensively in the area of food and medical technology. A chemistry graduate from Madras, India, Dr Subramanian was awarded his Doctorate from the University of Glasgow, for work on natural products, and his main research interests lie in the utilisation of natural material separation processes and bio-conversions. Dr. Subramanian has written and edited a number of books and articles in the field of biotechnology. For the last 10 years, he has been organizing conferences promoting the integration and sharing of knowledge between academia and industry.