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| 1. Record Nr.           | UNINA9910800188303321                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Titolo                  | Biosurfactants : production and utilization--processes, technologies, and economics / / edited by Naim Kosaric, University of Western Ontario, Fazilet Vardar-Sukan, Ege University                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Pubbl/distr/stampa      | Boca Raton : , : CRC Press, , [2015]<br>©2015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ISBN                    | 0-429-16956-6<br>1-5231-2049-5<br>1-4665-9670-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Edizione                | [2nd ed.]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Descrizione fisica      | 1 online resource (384 p.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Collana                 | Surfactant Science ; ; Volume 159                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Classificazione         | SCI010000SCI013050SCI045000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Disciplina              | 668.14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Soggetti                | Biosurfactants                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Formato                 | Materiale a stampa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Note generali           | Description based upon print version of record.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Nota di bibliografia    | Includes bibliographical references.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Nota di contenuto       | Front Cover; Contents; Contributors; Chapter 1: Types and Classification of Microbial Surfactants; Chapter 2: Sophorolipids : Microbial Synthesis and Application; Chapter 3: Biosurfactants versus Chemically Synthesized Surface-Active Agents; Chapter 4: Biosurfactants Produced by Genetically Manipulated Microorganisms : Challenges and Opportunities; Chapter 5: Production of Biosurfactants from Nonpathogenic Bacteria; Chapter 6: The Prospects for the Production of Rhamnolipids on Renewable Resources : Evaluation of Novel Feedstocks and Perspectives of Strain Engineering<br>Chapter 7: Utilization of Palm Sludge for Biosurfactant Production<br>Chapter 8: Bioreactors for the Production of Biosurfactants; Chapter 9: Purification of Biosurfactants; Chapter 10: Cost Analysis of Biosurfactant Production from a Scientist's Perspective; Chapter 11: Patents on Biosurfactants and Future Trends; Chapter 12: Industrial Applications of Biosurfactants; Chapter 13: Biological Applications of Biosurfactants and Strategies to Potentiate Commercial Production; Chapter 14: Perspectives on Using Biosurfactants in Food Industry; Chapter 15: Biosurfactant Applications in Agriculture<br>Chapter 16: Biosurfactants and Soil Bioremediation<br>Chapter 17: Biosurfactant Use in Heavy Metal Removal from Industrial Effluents and |

Sommario/riassunto

Biosurfactants can successfully replace and augment the properties of chemically synthesized surface-active agents. This book contains specialty chapters dealing with methods for production of biosurfactants on a laboratory and industrial/commercial scale. It presents novel and proven applications of biosurfactants. The new edition is aimed at actual production and applications of biosurfactants in modern biotechnology, reflecting the advances made since the publication of the first edition. A special chapter is devoted to the overview and evaluation of specific selected patents relating to biosurfactants--