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| Titolo                  | Lichen-derived products : extraction and applications / / edited by Mohd Yusuf                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Descrizione fisica      | 1 online resource (299 pages)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Collana                 | Emerging trends in medicinal and pharmaceutical chemistry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Disciplina              | 579.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Soggetti                | Lichen products<br>Lichens - Industrial applications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Nota di contenuto       | An overview on lichen's morphology, chemistry of derived products, and current scenario / Mohd Yusuf -- Comparative perspectives on extraction methods for organic metabolites and pollutants from lichens / Patricia Forbes, Leandri van der Wat and Johanna Strumpher -- Review on advanced methods for extraction and identification of nature-derived bioactive and economic products / Sudarshana Deepa Vijaykumar -- Lichens and lichenology : historical and economic prospects / Munesh Sharma and Aash Mohammad -- Biomedical aspects of lichen-derived products : roadmap to alternative sources for synthetic drugs / Anjali Gupta, Pooja Agarwal, Kavita Khatana and Shafat Ahmad Khan -- Lichens as sources of antibacterial active compounds / Es-sadeqy Youness, Taha Chouati, Noura Aoussar, Imane Zalegh, Rajaa Ait Mhand, Naima Rhallabi and Fouad Mellouki -- Lichens : natural alternatives in textiles finishing / Amrita Kaushik and Pavan Prakash Giri -- A review on trends and opportunity in edible lichens / Mohd Yusuf -- Biotechnological applications of lichens / Md. Aftab Alam, Rizwana Khatoon, Shamsul Huda, Niyaz Ahmad and Pramod Kumar Sharma -- Potential of lichen's extract as natural photosensitizer for dye-sensitized solar cells / Asim Mansha, Sana, Muhammad Usman, Sadia Asim and Matloob Ahmvad -- Lichen-derived products as sustainable source of natural dyes / Shahid Adeel, Aqsa |

**Sommario/riassunto**

"Naturally derived products and their derivatives have strongly influenced everyday life. They dominate almost every field of applied sectors ranging from medicine, food, fodder, perfume, spice, dyes and for miscellaneous purposes throughout the world due to their enthusiastic performance. Furthermore, scientists have needed to communicate and discuss the relevance of their works on the latest demands of the current era. During the last few decades more and more new alternative aspects based on naturally derived functional materials have been searched on account of increased awareness of product safety and high attention to the possible adverse impacts of synthetic based ready-to-use products on human health. So, there should be a multidisciplinary effort via technological perspectives to perform further research towards new opportunities, to develop new sustainable products"--