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Soggetti	Tribology Fluid mechanics Chemistry, Organic Bioorganic chemistry Engineering Fluid Dynamics Organic Chemistry Bioorganic Chemistry
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction: History of lubrication and why we need biolubricants -- Advantages and disadvantages (or challenges) of biolubricants -- Main raw materials, and the role of waste cooking oil -- Chemical routes to produce biolubricants. The role of biorefineries -- Biolubricant characterization. What is important to consider our product a good biolubricant? How do we measure it? -- Uses of biolubricants -- Cung edge research about biolubricants -- Conclusions and outlook.
Sommario/riassunto	This is a book about biolubricants. It provides a general overview of these useful products, paying attention to their contribution to green and sustainable chemistry or the circular economy through the implementation of biorefineries. But also, it is a book about General Chemistry, Physics, Engineering, etc., as this specific subject could act as a cornerstone for many multidisciplinary fields. The book’s chapters include several exercises and questions to track reader’s learning and give general and specific idea of how biolubricants are not just a promising research topic, but also a practical reality. The main ideas

covered in this work are the following: history, origin and use of biolubricants, main chemical routes to produce them and their quality assessment.