



Special Issue Reprint

Liposomal and Ethosomal Gels: From Design to Application

www.mdpi.com/books/reprint/9455

Edited by
Maddalena Sguizzato
Rita Cortesi

ISBN 978-3-7258-1436-7 (Hardback)
ISBN 978-3-7258-1435-0 (PDF)



In the last several decades, lipid-based nanosystems have received greater attention in the drug delivery field due to their “green” properties (biodegradable and non-toxic components) and their easy manufacturing and handling. Among them, vesicular systems such as liposomes, niosomes, and ethosomes are some of the most attractive candidates for improving the topical administration of drugs such as small molecules, peptides, proteins, and bacteriophages due to their similarity with epidermal lipids. Indeed, they have applications in different pathologies, mostly in cutaneous diseases. With the aim of implementing the use of liposomes, niosomes, and ethosomes for skin and mucosae applications, these vesicles need to be thickened, and their inclusion into gelled matrixes based on natural or synthetic polymers or biomaterials represents a promising tool to enhance their adhesive properties and to overcome their viscosity.

This Special Issue reprint summarizes the latest advancements in the production, characterization, stability, and application of vesicular systems in gelled formulations.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/9455

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.