



*plants*



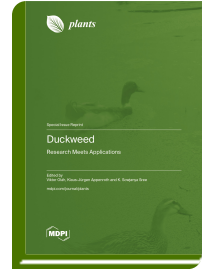
*Special Issue Reprint*

## **Duckweed: Research Meets Applications**

[www.mdpi.com/books/reprint/8110](http://www.mdpi.com/books/reprint/8110)

Edited by  
Viktor Oláh  
Klaus-Jürgen Appenroth  
K. Sowjanya Sree

ISBN 978-3-0365-9069-1 (Hardback)  
ISBN 978-3-0365-9068-4 (PDF)



Duckweed (Lemnaceae) represents a small aquatic monocot plant family presently composed of 36 species. These plants gained importance in recent decades for their applications in wastewater purification, as animal food or human nutrition, as well as for energy production. This Reprint presents 39 manuscripts published in the Special Issue “Duckweed: Research meets applications” of the journal *Plants*. We provide an overview of the present state of the art of duckweed research in taxonomy of the family, phytoremediation, accumulation of protein or starch, interaction with microorganisms, and phytomonitoring of toxic compounds. This Special Issue also invited the participants of the 6th International Conference on Duckweed Research and Applications (ICDRAs) held in Gatersleben, Germany, organised on behalf of the International Steering Committee on Duckweed Research and Applications (ISCDRA). This Reprint is organised as follows:

1. Introduction; 2. Molecular Characterization and Taxonomy; 3. Phytoremediation: Wastewater; 4. Applications: Accumulation of Protein or Starch; 5. Interaction with Microorganisms; 6. Physiology and Phytomonitoring.

The manuscripts were organised by the Guest Editors Viktor Oláh (University of Debrecen, Debrecen, Hungary), Klaus-J. Appenroth (Friedrich Schiller University, Jena, Germany), and K. Sowjanya Sree (Central University Kerala, Periyar, India).



Order Your Print Copy  
You can order print copies at  
[www.mdpi.com/books/reprint/8110](http://www.mdpi.com/books/reprint/8110)

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.