



*sensors*



*Special Issue Reprint*

## **Optical Sensors Technology and Applications**

[www.mdpi.com/books/reprint/8595](http://www.mdpi.com/books/reprint/8595)

Edited by  
Maria Lepore  
Ines Delfino



ISBN 978-3-0365-9917-5 (Hardback)  
ISBN 978-3-0365-9918-2 (PDF)

Optical methods are non-invasive tools, and their use in sensing applications is continuously increasing and reaching new heights. Novel optical technologies contribute to the development of state-of-the-art sensing schemes and devices characterized by outstanding working parameters (very low detection limit, high specificity and sensitivity) and innovative approaches for detecting the presence of analytes and for quantitatively determining their concentrations in many fields, including pharmaceutical research, medical diagnostics, environmental monitoring, agriculture, industry, food safety, and security. In this Special Issue, original research papers and review articles are included to display an overview of the recent advances in the technology and applications of optical sensors, including source and detection technologies, sensor architectures, sensor performance, and processing approaches and applications. This collection of papers shows the diversity of the latest developments in these areas and their wide dissemination in numerous fields.



Order Your Print Copy  
You can order print copies at  
[www.mdpi.com/books/reprint/8595](http://www.mdpi.com/books/reprint/8595)

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.