



materials



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Advanced Materials for Biophotonics Applications (Volume II)

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Message from the Guest Editors

Biophotonics is the science of how light interacts with biological objects such as tissues, cells, and organisms. Recently, new materials have played an important role in creating new, exciting areas of biophotonics. It can be noted that progress in materials science has a strong influence on the ever-increasing progress in biophotonics. Thanks to the use of new materials, new biosensors are being created, including implantable ones, optical imaging systems and measuring devices for testing diseases. Another group of materials used in biophotonics research is materials for fabricating tissue phantoms. This area of knowledge and technology continues to develop, and providing us with increasingly perfect tissue phantoms, which have similar parameters to real objects.

In addition, advances in the study of optical and structural properties of biological tissues and cells allow for the creation of new materials, with applications not only in biology and medicine, but also in other areas. Thanks to these innovative materials, new devices and biophotonics technologies are emerging.



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Special Issue



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Message from the Editor-in-Chief

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