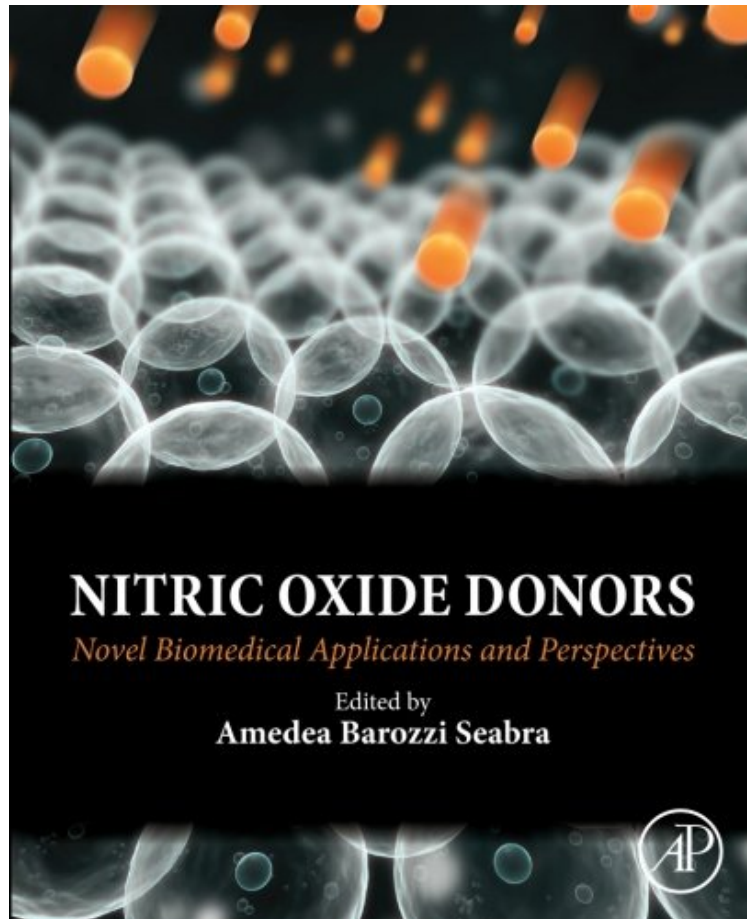


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application in the treatment of neglected diseases, neurodegenerative disorders, and cancer. Additionally, it covers its role in inflammation and immunity, penile erection function, photodynamic therapy, antimicrobial activities. It also discusses the future of nitric oxide donors in combination with other therapeutic drugs, in implantable sensors, and nitric oxide releasing hydrogels and medical devices for topical applications. The book is a valuable source for researchers on different areas of biomedical field who are interested in the improvements that these molecules can make in the treatment of several conditions. Provides background information about biology and chemistry of nitric oxide. Discusses the state-of-the-art in the design of nitric oxide releasing nanomaterials for biomedical applications. Covers the usage of nitric oxide donors in the treatment of several conditions, such as cancer, human skin, cardiovascular system, and immunity. Discusses the future of nitric oxide donors and their FDA approval.