

## Nanotechnology in diagnosis, treatment and prophylaxis of infectious diseases

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Book titled Nanotechnology in diagnosis, treatment and prophylaxis of infectious diseases was released in 2015 by Mahendra Rai from India and Kateryna Kon from Ukraine.



**Figure 1:** Authors of the book: Mahendra Rai (Sant Gadge Baba Amravati University, Department of Biotechnology) and Kateryna Kon (Kharkiw National Medical University, Department of Microbiology, Virology and Immunology). Adapted from the [1]

The book was created especially considering the still spreading the risk of resistance of infectious pathogens to antimicrobial agents. Resistance to antimicrobial agents has been reaching high levels among all types of microorganisms. Bacteria constantly demonstrate growing rates of resistance to classical and newly introduced antibiotics, fungi increase rates of resistance to antimycotics, viruses, increase rates of resistance to antiviral agents, and even insect vectors carrying microorganisms have been acquiring the ability to develop resistance to the most common insecticidal agents. Because of this, the efforts of scientists all over the world are being directed to the search for new and effective methods to cope with drug resistance. One promising approach

is the application of nanotechnology in the battle against microorganisms.

Potential readers may thus become researchers in applied microbiology, biotechnology, pharmacology, nanotechnology, and infection control, students of medical and biological faculties, and clinicians dealing with infectious diseases.

The book consists of 18 chapters by authors from around the world. Our participation in the creation of the book consisted in writing a contribution of the topic *Complexes of Metal-Based Nanoparticles with Chitosan Suppressing the Risk of Staphylococcus aureus and Escherichia coli Infections* [2].



## Conflicts of Interest

State any potential conflicts of interest here or “The authors declare no conflict of interest”.

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