



Katarzyna Lisowska

FULL PROFESSOR – UNIVERSITY OF LODZ · DIRECTOR OF INSTITUTE OF MICROBIOLOGY, BIOTECHNOLOGY AND IMMUNOLOGY – UNIVERSITY OF LODZ

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Currently held positions

Department of of Industrial Microbiology and Biotechnology, Faculty of Biology and Environmental Protection

University of Lodz

FULL PROFESSOR

Institute of Microbiology, Biotechnology and Immunology, Faculty of Biology and Environmental Protection

University of Lodz

DIRECTOR

Department of of Industrial Microbiology and Biotechnology, Faculty of Biology and Environmental Protection

University of Lodz

HEAD OF THE DEPARTMENT

Scientific profile and collaborations

The area of my scientific interests includes: the processes of fungal detoxification and degradation of xenobiotics that are particularly dangerous for the environment (including endocrine disrupting compounds - EDCs), research on the biological activity of nanomaterials and microbiological synthesis of nanoparticles.

I conduct my research in a broad international cooperation with research teams from Germany, France, Morocco, Italy, as well as with many scientific and research centers in Poland and economic sector.

Selected publications

- 2025 *Ecotoxic effect of mycogenic silver nanoparticles in water and soil environment* [\[link\]](#)
- 2021 *Antimicrobial activity and toxicological risk assessment of silver nanoparticles synthesized using an eco-friendly method with *Gloeophyllum striatum** [\[link\]](#)
- 2020 *Occurrence of methylisothiazolinone in water and soil samples in Poland and its biodegradation by *Phanerochaete chrysosporium** [\[link\]](#)

Research grants

Principal Investigator: 2 grants: NCN

Project supervisor: 1 grant: NCN

Co-Investigator: 8 grants: KBN, NCN, The European Commission's INCO-Copernicus

International research stays

Australia, Department of Biological and Food Sciences, Victoria University, Melbourne

Sweden, Department of Applied Microbiology, University of Lund