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Eliška Maršálková graduated from the University of Chemistry and Technology Prague (UCT) with a major in Water Technology, and in 2000, obtained her Ph.D at the Czech Technical University (CVUT) in Prague, in the field of Water Management.

Currently she works at the Institute of Botany of the Czech Academy of Sciences as the Head of Research Division in Brno.

Her long-term research interest is on micropollutants in aquatic ecosystems and their effects. This includes natural toxins produced by cyanobacteria and man-made micropollutants such as pesticides or pharmaceuticals. In addition to her broad experience in laboratory research with photoautotrophic microorganisms, she has specific experience in several fields of applied environmental technologies, including phosphorus recycling, prevention of cyanobacterial blooms, detecting biocorrosion and understanding its mechanism of action, as well as treatment or removal of micropollutants from waste waters, surface or drinking waters.

She is also engaged in the popularization of science.