



Tomáš Cajthaml

Tomáš Cajthaml is professor at the Faculty of Science, Charles University. He is deputy director Institute for Environmental Science at the faculty. He also works partially at the Institute of Microbiology, Czech academy of Sciences. His research is focused on pollution of the environment, especially on fate, decomposition, and ecotoxicity of organic pollutants, nanomaterial and microplastics. He is also interested in development and optimization of decontamination technologies. Recently, he has also focused on environmental forensic science. His research is interdisciplinary covering areas of environmental analysis, ecotoxicology, and environmental microbiology.

Personal Information:

Citizenship Czech Republic

Education/ Qualification:

1998, MSc Faculty of Science, Charles University, Prague – Analytical Chemistry

2002, PhD Faculty of Science, Charles University, Prague – Applied and Landscape Ecology

2011, Assoc. Prof. Faculty of Science, Charles University, Prague – Environmental Sciences

2015, Prof. Faculty of Science, Charles University, Prague – Environmental Sciences

2020, DSc. Academy of Sciences of the Czech Republic – Microbiology

Work Expertise:

From 1998, Employed at Institute of Microbiology, Czech Academy of Sciences

From 2006, head of Laboratory of Environmental Biotechnology, Institute of Microbiology, Czech Academy of Sciences

From 2009, senior research scientist

From 2009, part-time teacher at Faculty of Science, Charles University, Prague

From 2014-2020, director of Institute for Environmental Studies, Faculty of Science, Charles University, Prague

From 2020, deputy director of Institute for Environmental Studies, Faculty of Science, Charles University, Prague

Professional Memberships:

Chairman of Scientific council, Institute for Environmental Studies, Charles University

Member of Scientific council, Faculty of Science, Charles University

Member of European Federation of Biotechnology (environmental section), Czech Republic delegate

Member of Commission for the Environment, Czech Academy of Sciences

Member of Waste Management Committee, Ministry of the Environment, Czech Republic
Member of Czech Science foundation (2011-2014; 2016-2021)
Member of Technology Agency of the Czech Republic (from 2014-)
Member of Czechoslovak Society for Microbiology
Member of Society for Wildlife Forensic Science
Member of Czech Society for Experimental and Clinical Pharmacology and Toxicology
Member of editorial board - Folia Microbiologica
Member of editorial board - Frontiers in Microbiology
Member of editorial board - European Journal of Environmental Sciences

Scientific Interests:

Environmental science, environmental microbial biotechnology, environmental remediation methods, environmental chemistry, toxicology and ecotoxicology, nanotoxicology, microplastics, organic pollutants, environmental forensic research, waste management

Publications:

Author or co-author:
200 papers (5800 citations - WoS) in journals with impact factor; 8 chapters in books;
2 edited books; 5 patents; 6 verified technologies; 1 utility model
about 100 lectures or posters at conferences
H index 44 (WoS)

Pedagogical Activities:

Supervisor or co-supervisor of 6 finished PhD students (Charles University; Institute of Chemical Technology, Prague; Università degli Studi della Tuscia, Italy)
Supervisor or co-supervisor of 20 finished MSc students (Charles University; Institute of Chemical Technology, Prague)
Teaching 6 courses at Faculty of Science, Charles University, Prague