

NAME AND ADDRESS

Mihály Pósfai

University of Pannonia, Research Institute of Biomolecular and Chemical Engineering, Nanolab
Veszprém, POB 158, H8200 Hungary

mihaly.posfai@gmail.com; <https://nanolab.uni-pannon.hu/en>

DEGREES

Hungarian Academy of Sciences D.Sc. in earth sciences 2004

Eötvös Loránd University, Budapest Ph.D. in mineralogy 1992

Eötvös Loránd University, Budapest M.Sc. in geology 1987

EMPLOYMENT

Dept. of Earth and Env. Sci., University of Pannonia, Veszprém, Hungary; professor since 2006;
associate/assistant professor 1994-2006

Dept. of Materials Science and Engineering, University of Cambridge, visiting scientist, 2004-
2005 (4 months)

Dept. of Geology, Arizona State University; postdoctoral research associate 1996-1998 and
1992-1994 (4.5 years)

Dept. of Inorganic Chemistry, Stockholm University; Swedish Institute scholar, 1991-1992 (4
months)

RESEARCH INTERESTS

(1) Carbonate precipitation in lakes and phosphorus cycling; structures of carbonate biominerals. (2) Iron biominerals: biologically controlled mineralization in magnetotactic bacteria, synthesis and characterization of magnetic iron oxide and iron sulfide nanoparticles. (3) Characterization of individual species in atmospheric aerosol particles in order to understand their formation, transport, and their roles in atmospheric processes and in global climate change. (4) Application of advanced transmission electron microscopy techniques to environmental mineralogy problems (<https://nanolab.uni-pannon.hu/en/envmin-research-group/research>).

IMPACT OF RESEARCH

Number of invited lectures in the past ten years: 35

Number of total publications in journals with referees: 98

Number of citations (Google Scholar): 8100 (H=50)

TEACHING

Mineralogy; Introductory Crystallography; Microscope Methods; Geochemistry; Earth Resources; Biomineralization (BSc, MSc and PhD courses at the University of Pannonia, guest lectures at Eötvös University, Budapest and University of Brno, Czech Republic)

MAJOR ACADEMIC HONORS

Széchenyi Prize (awarded by the President of Hungary) 2016

Member of the Hungarian Academy of Sciences, since 2010

Fellow of the Mineralogical Society of America 2009

European Mineralogical Union Medal for Research Excellence 1999