

GYOZO JORDAN



Gyozo Jordan is a geologist and environmental geochemist, recently acted as the head of the Chemistry Department, Institute for Environmental Sciences, Szent Istvan University in Hungary, as a candidate professor (habil associated professor). Dr. Jordan got his MSc degree in geology and environmental geology at the ELTE University of Sciences in Hungary and later he received his second MSc and PhD degrees at the Quaternary Geology Department, Uppsala University in Sweden in 2004. He did his 3rd year earth sciences undergraduate studies at the Queen's University of Belfast, UK and carried out his post-doctoral research work on sediment transport modelling on floodplains at the BOKU University in Vienna in 2006. For 15 years between 1997 and 2012 he worked for the Hungarian Geological Survey acting as the head of the Environmental Geology Department in the last two

years. He was a visiting scientist at ITC (International Institute for Geo-Information Science and Earth Observation) in the Netherlands working on catchment soil erosion, sediment transport and terrain modelling in 2000 and a visiting scientist at the U.S. Geological Survey doing geochemical modelling of toxic element contamination in 2006-2007. Gyozo Jordan worked for the Joint Research Centre (JRC), European Commission, as a research fellow on the risk-based inventory and environmental impact assessment of mining and mining waste for the preparation of the EU Mine Waste Directive in 2001-2004. He was the Team Leader of the EuropeAid Technical Assistance Project for contamination risk-assessment in Turkey for 1 year, 2013-2014. Most recently, in 2017, he was working on the microbiological control of geochemical processes in China for 6 months under the prestigious Chinese Academy of Science President's International Fellowship Initiative, as a Visiting Scientist. He has been an guest lecturer at the China University of Geosciences in Beijing (CUGB) under a Chinese Belt and Road Project in 2018-2019, and acted as visiting scientist at the UNESCO International Centre on Global-Scale Geochemistry (ICGG) in China in 2019. He acted as the co-ordinator of several national environmental projects such as the Mine Waste Risk-based Inventory Project in Hungary. Dr Jordan has been a member of the Geochemistry Expert Groups producing the FOREGS European Geochemical Atlas and more recently the GEMAS Geochemical Atlas of European Soils. Currently, he is a member of the 'Soil Expert Panel', European Federation of Geologists and a member of the 'Pressures and Measures Expert Group', United Nations ICPDR Danube River Basin Programme, implementing the EU Water Framework Directive. His scientific research work focuses on the assessment and spatio-temporal modelling of biogeochemical cycles, with focus on toxic element, in soil, water, sediment and biota from the catchment and landscape scales to the continental scale, also in relation with climate change. Emphasis is put on the development and application of various field and laboratory methods, and on numerical models including spatial geochemical mapping with GIS, catchment-based modelling, temporal monitoring using time series analysis and environmental contamination geochemistry. A key in his research is the novel combination of geology and geochemical approaches for environmental geosciences and providing environmental solutions and training to governments and decision makers. Currently, he co-ordinates a Research and Technology Development Project on contamination geochemistry in China. He also leads a Bilateral (Hungary-Slovenia) NSF OTKA Project on heavy metal contamination in floodplains in the River Drava catchment affecting human and ecosystem health. He also co-ordinates an EU DTP Interreg Project on the Danube River Basin sediment geochemistry, and acts as co-leader or partner leader in several other funded (EU, National) projects. Dr Jordan is an Associate Editor for the Journal of Mine Water and Environment, and he is a Scientific Reviewers Board Member for the Carpathian Journal of Earth and Environmental Sciences, and a Member of the Reviewers Board for the European Geologist Journal. His professional experience is documented by more than 30 professional reports and references (national, international, UN, EC, UNDP/GEF), over 20 national and international awards, and an outstanding project fund raising record. His research work is documented by 2 books, 50 ISC research papers and 56 other papers. His Hirsch Index is 24 (Scopus), Cumulative Impact Factor is 142, citations number 1599 (Scopus).