

Candidate for IUGS Executive Committee

Position: Councilor 2020-2024

Name: Mostafa Fayek

Affiliation: Dept. Geological Sciences, University of Manitoba, Winnipeg MB, R3T 2N2.

Nominating Organization: Canadian National Committee for IUGS



Biography:

Dr. Mostafa Fayek has over 25 years of experience in isotope geochemistry. He has over 135 papers in peer-reviewed journals, 210 papers in refereed conference proceedings and 25 technical reports. He obtained his B.Sc. in Geology and Chemistry from Carleton University in 1989. He worked for two years as an exploration geologist for Granges Inc. prior to entering graduate school at the University of Saskatchewan in 1991 where he obtained his Ph.D in isotope geochemistry in 1996. He was awarded a NSERC postdoctoral fellowship and split his time between the University of New Mexico and Queen's University. He then moved to California as a postdoctoral researcher at UCLA before taking a joint faculty position in 2000 between the University of Tennessee and Oak Ridge National Laboratory. At Oak Ridge National Laboratory (2000-2006), he was the team leader for the investigation of natural analogues for the disposal of spent-fuel nuclear fuel in geological repositories and led several nuclear forensic programs after 2001. Dr. Fayek joined the University of Manitoba in 2006 as a Canada Research Chair in Isotope and Environmental Geochemistry. Dr. Fayek is currently a professor in the Department of Geological Sciences. He served as a councillor for the Mineralogical Association of Canada Council and is a Fellow of the Society of Economic Geologists. Mostafa has served as an executive member of the United States National Academy of Science selection board for fellowship awards. Dr. Fayek is also on the Canadian Nuclear Safety Commission oversight team for the Canadian nuclear waste disposal program.

Statement:

I hereby consent to be nominated by the Canadian National Committee of IUGS as a candidate for the position of Councilor (2020-2024) on the IUGS Executive Committee. This also confirms my interest and motivation to actively serve as a member of the Executive Committee for the complete 4-year term of office. I will be able to devote myself as required in fulfilling my duties and obligations as

determined by the President and Bureau to complete all tasks and obligations assigned to me during this tenure.

My main motivation for joining the IUGS as councilor is to help foster dialogue between Earth scientists in academia, industry and government agency around the world. I wish to help identify and define critical issues that impact society and the economies of emerging and established nations, which geoscientists are uniquely capable of solving (e.g., nuclear waste disposal). My research has largely focused on testing of new geological concepts, ore deposit models, and analytical methodologies that have benefited both industry and government groups. As IUGS councilor I would like to create new relationships between Earth science disciplines, government agencies and industry, and increase public awareness of how the geosciences make significant contributions to public policy decisions at a global scale.

It is an honor and a pleasure to be considered for this nomination and I look forward to positively contributing to the mission of the Union, if I am successfully appointed at the next International Geological Congress.