



The Geochemical Laboratories of Geological Survey of Israel is in the forefront of technology with various systems operated.

It is an analytic array of the first order for gaining the skills and experience in using the methods of isotopic measurements. Visiting the Survey will enable me to get acquainted with fundamental principles and practical applications of stable isotope methods in palaeoclimatology and environmental science.

Within the training I'll learn how to prepare cave deposits for geochemical and mineralogical studies, including uranium and thorium dating methods, and stable isotope (oxygen, carbon, and hydrogen) analyses.

Also, with the help of the project collaborators and GSI staff I will be able to use the multi-collector ICP-MS measurements and Delta-Plus and Delta-V mass-spectrometer to perform analyses which are crucial for my doctoral research. Learning and applying these methods can upgrade and expand the scientific knowledge about the caves and the climate conditions and changes in the Republic of Croatia.

Results will serve to Croatian and worldwide researchers in the fields of geology, geomorphology and climatology, for the comparison of the data gathered from other parts of the Europe.