



Postdoctoral Researcher Position – Isotope Geochemistry / Mineralogy

The Institute of Applied Geosciences at Graz University of Technology invites applications for a 3 years full-time Postdoctoral Researcher position in Isotope Geochemistry and Mineralogy funded through the recently funded **FWF *Met-Proxies* project**. The earliest starting date is May 1, 2019.

The goal of *Met-Proxies* project is to ***experimentally quantify and assess the degree of incorporation and isotopic fractionation of copper and zinc into carbonate minerals***. Results will be used to develop novel and advanced geochemical tools and proxies for the estimation, monitoring and reconstruction of physicochemical conditions like pH value and biological activity in geological and modern environmental settings.

Applicants must hold a Ph.D. in geochemistry, mineralogy or a related subject. A strong background in aqueous or isotope geochemistry and hands on experience in experimental and analytical techniques is highly desirable. Experience with mineralogical/chemical characterization and/or Multicollector ICP-MS techniques is considered an asset.

The facilities at TU Graz and NAWI Graz Geocenter include a wide range of mineral characterization tools such as SEM, XRD, XFA, FT-IR, in-situ Raman spectroscopy, micro Raman, microprobe and fluid analysing methods like IC, ICP-OES/MS, UV/VIS, DOC. Our laboratories are equipped for low and high temperature experimental work, in particular for crystallization approaches and fluid mineral interaction. Additionally the Institute of Applied Geosciences hosts the *Central Lab for Water Minerals and Rocks* of NAWI Graz that includes a clean lab and 2 mass spectrometers (ICP-MS and Laser Ablation -MC-ICPMS) for elemental and isotope analyses.

The application including a cover letter, a detailed curriculum vitae, a summary of past and current research activities, a 1-2 pages statement of research interests and the names and contact details of at least two potential references should be send to Prof. Dr. Martin Dietzel, Institute of Applied Geosciences at martin.dietzel@tugraz.at. Please also mention your preferred starting date in the cover letter. All applications submitted until the 20th of March will receive full consideration. Applications submitted after this date will be considered until the position is filled.

For further information contact Prof. Dr. Martin Dietzel or Dr. Vasileios Mavromatis (mavromatis@tugraz.at).