PERSONAL INFORMATION

- Date of birth: 01-04-1980
- Place of birth: Athens
- Status: Engaged
- Nationality: Greek
- Address: Lipson 26, Ano Liosia
- Tel: +302102472085
- Cell phone: +306975967914
- Email: ibaziotis@aua.gr

STUDIES

- 1998 – 2002: Graduate studies: Department of Geology, School of Sciences, National and Kapodistrian University of Athens. Grade: 7.23 (Very Good)(Bsc Thesis: “Acid mine drainage in the underground mines of Lavrion area”)
- 2003: Pre-doctoral Studies: Department of Geological Sciences, School of Mining and Metallurgical Engineering, National Technical University of Athens
- 2008: PhD Thesis with title: «Petrology and geochemistry of metamorphic rocks from Attica» (Decision 13-01-2003). Supervisor: Prof E. Mposkos.

RESEARCH EXPERIENCE – PROJECTS - WORKSHOPS

- 25-10-2004 until 31-01-2005: During European Student Mobility Project SOCRATES/ERASMUS worked at the Intitute of Mineralogy-Petrology of the University of Graz. I trained at the objective of secondary electron microscopy (SEM), electron microprobe (EMP), x-ray fluorescence (XRF) and inductively coupled plasma mass spectrometry (ICP-MS), under the guidance of Prof. Georg Hoinkes, Prof. Christoph Hauzenberger, Prof. Carl Ettinger and Dr. Alexander Proyer. I participated in the context of my PhD Thesis, and the research projects "Pythagoras I" and "Protagoras". I`ve conducted a series of in-situ mineral microanalysis and rock analysis, and process the data using software like PERPLEX, Thermocalc and TWEEQU.
- 2004-2006: Protagoras with title: "Petrological study of diamondiferous rocks (Ultra-high pressures) in Central and Eastern Rhodope" funded by NTUA.
- 2004-2006: Pythagoras I with title: "Petrological and geochemical study of diamondiferous rocks (UHP) in Central and Eastern Rhodope" funded by EPEAEK.
- 2008-2010: PEBE 2008 with title: "Petrological and geochemical study of eclogites from Kechros Complex in Eastern Rhodope" funded by NTUA.
- 2012: National Aeronautics Space Agency (NASA) Cosmochemistry grants NNX11AG58G for the study of Martian meteorite, Tissint.
- 2012: National Science Foundation (NSF) of America for the project entitled: “Characterization of the Timing and Nature of Metasomatism in the Siberian Lithospheric Mantle”
- 2018: Organizer of the “Empirical and Ab Initio Thermodynamic Models of Minerals and Melts”, 18th-22nd June 2018, Milos Island, Greece.
- 2018: Organizer of the SERES meteorite exhibition: “200 years and 80 days”, 7-11th November 2018, Athens, Greece.
- 2019 (26th January – 14th February 2019): Visiting Scholar supported by the office of the Provost at University of South Carolina (USA).
- 2019-2023: Organizer of the series of Electron Probe Microanalyser Workshop in Greece. Title: “Recent Developments and Applications in earth sciences of electron probe micro-analysis”.

RESEARCH EXPERIENCE - FUNDING

- 2012 -2015: Project for “Supporting Postdoctoral Reserachers, with title « **Study of kinetic processes associated with small- to intermediate scale-lengths of mantle**

heterogeneity». Principal Collaborators: Giampero Poli (University of Perugia, Perugia, Italy), Antonios Koroneos (Aristotle University of Thessaloniki, Thessaloniki, Greece). Secondary collaborators: Paul D. Asimow (University of Caltech, Pasadena, Los Angeles, USA), Theo Ntaflos (University of Vienna, Austria, EU). Budget 150.000€. Funded by the European Social Fund and the Greek State.

- 2015: Synthesys Project with title: «**Characterization of the shock metamorphism of a suite of specific shocked ordinary chondrite meteorites and implications on our understanding of the properties of asteroids, At** Natural History Museum of Vienna. Budget 5.000€.
- 2015-2016: IKYDA Project at the bilateral agreement between Greek State Scholarships Foundation and DAAD, with title: «Petrological and geochemical study of composite mantle xenoliths ». Budget 10.000€.
- 2015-2017: Principal Investigator of project with code 34.0814 and title: «Laboratory tests in rock samples and drilling cores». ELKE of Agricultural University of Athens. Budget 5.000€.
- 2017-2018: Europlanet 2020 with title: «**Characterization Of the Primary Melt Inclusions And Phosphates In Martian Meteorite Tissint and Lunar meteorite NWA 773: Implications for understanding the History of volatiles in planetary Interiors**". Εκπόνηση στο Open University Milton Keynes, UK. Budget 5.000€.
- 2019-2020: Synthesys with title: « **Shock metamorphism investigations of a suite of shocked ordinary chondrite meteorites and implications on the dynamics of impacts on their parent body asteroid(s)**". At Natural History Museum of Vienna. Budget 5.000€.
- 2019-2021: "**Mineralogical and spectroscopic study of ordinary and carbonaceous chondrites**". Funded by the European Union and the Greek State. Budget: ~41.500€.

TEACHING EXPERIENCE AT BSC LEVEL

- 2003-2004 until 2008-2009: Participation and teaching for six academic years of the laboratory exercises of the course «Petrology», 2nd Semester, of the School of Mining and Metallurgical Engineering (as PhD candidate).
- 2012: Teaching at the Planetary Geosciences Institute, Department of Earth and Planetary Sciences, University of Tennessee. Teaching seminars at the topics: (1) Ultra-High Pressure Metamorphism, (2) Geothermobarometry Part-I and (3) Geothermobarometry Part-II.
- 2014-today: Co-teaching of "Mineralogy-Petrology", "Mineralogy-Geology" and "Geology-Geomorphology"
- 2014-2016: Co-teaching of "Stratigraphy-Geomorphology"

TEACHING EXPERIENCE AT MSC LEVEL

- 2018-2019-today: Co-teaching of "Environmental Geology-Geochemistry", "Advanced analytical techniques for rocks and geomaterials", «Natural risks and disasters» and «Geoenvironment and infrastructure projects»

LECTURE NOTES FOR STUDENTS

Baziotis, I. 2015: Lecturer notes in Petrology. In printed version.

COMMITTEE MEMBER - SUPERVISION

Supervisor or co-supervisor of 17 Bsc students
Supervisor of 2 Msc students and co-supervisor of 2 Msc students
Supervisor of 2 PhD students and co-supervisor of 1 PhD

INVITED LECTURES

More than 25 lectures at different audiences.

EXPERIENCE IN ANALYTICAL INSTRUMENTS

- Optical Microscopy (transmitted and reflected light); Raman Spectroscopy: (1) RM1000B of Renishaw; JY Horiba LabRam HR 300 mm; Secondary Electron Microscopy

(SEM), JEOL JSM-6310; Electron Microprobe **(**EMP) Cameca SX-100; JEOL JXA-8530F Field Emission Gun Electron Microprobe (FE-EMP) and JEOL JSM-6610 Variable Pressure (VP) Scanning Electron Microscope (SEM); Laser Ablation Inductively Coupled Plasma Mass Spectrometry (LA-ICP MS - Laser Ablation Agilent 7500ce ICP-MS); Agilent 7500a ICP-MS equipped with a 193 nm ArF excimer laser; X-ray Fluorescence and ICP-MS; X-Ray Diffraction (XRD) and interpretation of diffractograms; Differential Thermal Analysis (DTA).

INTERNATIONAL SCIENTIFIC COLLABORATIONS

- Division of Geological and Planetary Sciences, California Institute of Technology, California, USA (Prof. Paul Asimow); Planetary Geosciences Institute, University of Tennessee, Knoxville, USA (Prof. Harry McSween); Jet Propulsion Laboratory, California, USA (Dr. Liu Yang); School of Earth, Energy and Environmental Sciences, Stanford University, California, USA (Prof. Gary Ernst); Department of Geoscience, University of Nevada, Las Vegas, USA (Ass. Prof. Arya Udry); University of Vienna, Vienna, Austria (Prof. Theo Ntaflos); Natural History Museum of Vienna, Vienna, Austria (Dr. Ludovic Ferrière, Prof. Christian Koeberl); Institute für Mineralogie, Universität Münster, Germany (Prof. Stephan Klemme, Dr. Alexander Krohe); German Research Centre for Geosciences, Helmholtz-Zentrum Potsdam, Germany (Dr. Nicole Hoymann); Department of Natural Resources and Environmental Studies, National Dong Hwa University, Hualien, Taiwan (Prof. Chin Ho Tsai).

MEMBER OF SCIENTIFIC ORGANIZATIONS-OTHER SCIENTIFIC ACTIVITIES

Reviewer for NASA "NPP postdoctoral proposals" (2016-today)

- Member of European Geosciences Union; Meteoritical Society of America; European Association of Geochemistry; Union of Greek Geologists
- Young Scientist Representative in the field of Geochemistry– Mineralogy – Petrology– Volcanology of European Geosciences Union (2013-2014)
- Reviewer for Acta Astronautica; Canadian Mineralogist; Earth, Moon and Planets; Geochemisty, Geophysics, Geosystems; Geochimica et Cosmochimica Acta; Geology; Geosciences Journal; International Journal of Mineral Processing; Journal of African Earth Sciences; Journal of Petrology; Journal of Raman Spectroscopy; Lithos Journal; Meteoritics and Planetary Science; Minerals; Mineralogy and Petrology; Planets; Scientific Reports; Terra Nova; Bulletin Geological Society of Greece

SCHOLARSHIPS - AWARDS

- 2001-2002: Scholarship for the best degree at 3rd year of studies (Greek State Scholarships Foundation).
- 2003: Scholarship from ELKE of National Technical University of Athens
- 2003-2007: Greek State Scholarships Foundation.
- 2008: Academy of Athens: Ktenas Prize for the paper entitled: «Petrogenesis of ultramafic rocks from the ultrahigh-pressure metamorphic Kimi Complex in Eastern Rhodope (NE Greece). Journal of Petrology, 49, 5, 885-909».
- 2017: Best Practice for the Project with title: "Study of kinetic processes associated with small- to intermediate scale-lengths of mantle heterogeneity"
- 2017-2018: Participation to NASA-funded mission Antarctic Search for Meteorites (ANSMET) operated by Case Western Reserve University (Ralph Harvey) and Utah University (James Karner), and supported by NSF, in Antarctica.
- 2020: Funding for the project with title: «Chemical and spectroscopic characterization of shock metamorphism features in a suite of shocked ordinary chondrite meteorites with implications on the dynamic of impacts among asteroids» by the Barringer Family Fund (part of it is by my PhD Student Stamatios Xydous). Budget ~4.000€.

LANGUAGES

Speak and Write English language fluently.