

Dr. Hind Ghanem

The University of Jordan – Faculty of Science / Department of Geology
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Education

- Ph.D. in Geological Sciences August, 2015
Indiana University, Bloomington, IN.
Dissertation Title: Thermal and Tectonic History of east-central Maine:
Insights from $^{40}\text{Ar}/^{39}\text{Ar}$ Geochronology
Advisor: Prof. Robert P. Wintsch
- M.Sc. in Geology January, 2009
University of Jordan, Amman, Jordan.
Thesis Title: Petrology, Geochemistry, and Thermobarometry of the
Contact Metamorphic Aureole in the Saramuj Conglomerate, SE Dead Sea,
Jordan
Advisor: Prof. Ghaleb Jarrar
- B.Sc. in Environmental and Applied Geology June, 2006
University of Jordan, Amman, Jordan.

Professional Experience

- Assistant Professor February, 2016 – present
Dept. of Geology, The University of Jordan
- Adjunct Lecturer October 2015 – February 2016
Dept. of Geology, The University of Jordan
- Lab Assistant May-August 2014
Indiana Geological Survey
- Volunteer Associate Instructor January-May 2014
Dept. of Geological Sciences, Indiana University
- Teaching Assistant February– August 2010
Dept. of Geology, The University of Jordan
- Adjunct Lecturer: Environmental Geology June-August 2009
Dept. of Geology, The University of Jordan

Teaching Assistant Dept. of Geology, The University of Jordan	January - June 2007
Volunteer Undergraduate Teaching Assistant Dept. of Geology, The University of Jordan	September 2003 – June 2004

Attended Workshops

International Geochronology School/ at Korea Basic Science Institute - South Korea	November 9 th -20 th , 2015
ASU SIMS Workshop / at Arizona State University / USA	January 7 th -9 th , 2015
Alpha-MELTS workshop / at California Institute of Technology (Caltech) / USA	December 10 th -14 th , 2014

Memberships & Affiliations

Member, American Geophysical Union AGU
 Member, Geological Society of America GSA
 Member, Mineralogical Society of America MSA
 Member, European Geological Union EGU
 Member, Jordanian Astronomical Society JAS

Awards and Grants

Undergraduate Student Scholarship (full tuition) - University of Jordan	2004-2005 2005-2006
International Students Research Scholarship - German Research Center for Geosciences (GFZ)	2008
Sponsorship for a Ph.D. Degree in Geology - University of Jordan	2010-2014
Student Travel Grants - Dept. of Geological Sciences at IU	March 2013 May 2011 October 2013 January, 2015
Student Travel Grant - OWA Funds	April 2013.
The Marland Pratt Billings and Katharine Fowler-Billings Fund for Research in New England Geology	May 2013
Grant for Summer Field Work - Dept. of Geological Sciences at IU	Summer 2011 Summer 2013

On To the Future (OTF) Scholar Travel Grant/GSA	October 2013
Student Travel Grant, GSA-Northeastern section	March, 214
Attendee Travel Grant - alphaMELTS workshop / funded by NSF	December, 2014
Provost's Travel Award for Women in Science – Indiana University	January, 2015

Published Abstracts:

1. **Ghanem H.**, Kunk M., Ludman A., Bish D., and Wintsch R. (2016), Dating slate belts using $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology and zircon ages from crosscutting plutons: A case study from east-central Maine, USA: European Geosciences Union General Assembly 2016.
2. Zhang Q., Branam T, and Olyphant G., **Ghanem H.** (2015), Geochemical characterization of coal-combustion byproducts and numerical simulations of the long-term effects as capping materials at coal mine reclamation sites: World of Coal Ash Conference, At Nashville, TN
3. **Ghanem H.**, Kunk M. and Wintsch R. (2014), P-T-time paths in East-Central Maine: Insights from thermochronology and geobarometry of Devonian plutons and their metamorphic host rocks: GSA Abstracts with Programs Vol. 46, No. 2.
4. **Ghanem H.**, Kunk M., Ludman A., Bish D., and Wintsch R. (2013), Multiple Deformation and Cleavage Development by Dissolution-Precipitation in The Metasedimentary Rocks of the Chester Shear Zone, Central Maine, USA: GSA Abstracts with Programs Vol. 45, No. 7.
5. **Ghanem H.**, Kunk M., Ludman A., Bish D., and Wintsch R. (2013), A Late Devonian Age For The Chester Shear Zone, Central Maine: Evidence From $^{40}\text{Ar}/^{39}\text{Ar}$ Age Spectra: GSA Abstracts with Programs Vol. 45, No. 1

Peer-reviewed Papers:

1. **Ghanem H.**, Kunk M., Ludman A., Bish D., and Wintsch R., 2016. Dating slate belts using $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology and zircon ages from crosscutting plutons: A case study from east-central Maine, USA. *Journal of Structural Geology* 93, 51-66.
2. Saffarini G., Jarrar G.H., Dill H., **Ghanem H.**, and Yaseen N., 2016. Data Analysis of a Revisited Exploration Geochemical Dataset of Quartz Porphyrites from SW Jordan using GIS techniques. *Chemie der Erde – Geochemistry*. DOI: 10.1016/j.chemer.2016.09.003
3. Zhang, Q., **Ghanem, H.**, Branam, T.D., Elswick, E.R., Olyphant, G.A., 2016. Geochemical characterization of engineered coal-combustion byproducts (CCBs): Occurrence and mobility of trace elements, implications for interactions with acidic and ambient groundwater. *Fuel* 177, 304-314.

4. **Ghanem, H.**, Jarrar, G.H., 2013. Geochemistry and petrogenesis of the 595Ma shoshonitic Qunai monzogabbro, Jordan. *Journal of African Earth Sciences* 88, 1-14.

Others:

1. **Ghanem, H.**, Kunk, M.J., Ludman, A., Bish, D.L., Wintsch, R.P., Biasi, J., 2013. $^{40}\text{Ar}/^{39}\text{Ar}$ Evidence for Late Devonian deformation in the Chester shear zone, east central Maine, in: Hanson, L.S. (Ed.), 2013 Guidebook for field trips in North Central Maine 105th Annual New England Intercollegiate Geological Conference pp. B 1-26.