

Curriculum Vitae



Khitam Alzughoul-PhD

Summary

Students and colleagues know well my passion and ability to overcome challenges. Whether it's reaching with my students to the highest level of understanding and appreciation of the science and the human civilization, or digging into the scientific problems to unravel the answers and solutions behind them. I am dedicated to teaching, solving problems and sharing the experience and knowledge.

I have a passion for success, and proud of approaching tasks with originality, pragmatism and perseverance.

PERSONAL INFORMATION

Name	Khitam A. Alzughoul
Nationality	Jordanian
Marital Status	Married /3 children
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EDUCATION

B.Sc. 1994: Geology, University of Jordan, Jordan.

M.S. 1997: Geology, University of Jordan, Jordan.

Thesis topic: Genesis of Palygorskite and the Evolution of El Shidiya basin, South Eastern Jordan.

Advisor: Dr. Abdulkader M. Abed, Professor of Sedimentology, Department of Applied and Environmental Geology, University of Jordan, Jordan.

Ph.D: Majoring Geology, (Minor, Mining Geology) Colorado School of Mines.
Thesis topic: "Mineralization at the Calumet Mountain Skarn System, North Salida, Central Colorado".

Advisor: Dr. Murray Hitzman, Professor of Economic Geology, , Department of Geology and Geological Engineering, Colorado School of Mines and Co- advisor, Dr. Gregory Holden, Associate Professor of Petrology, Department of Geology and Geological Engineering, Colorado School of Mines, USA.

EXPERIENCES

2014-Present **Assistant Professor of Economic Geology and petrology**, The University of Jordan; Jordan

2007-2014 - **Assistant Professor of Economic Geology and petrology**, The Hashemite University, Jordan

October 2010 – September 2012

Department of Earth and Environmental Sciences- Dept. Head, The Hashemite University, Jordan

August 2009- October 2010

Assistant of Dean of Students Affairs, The Hashemite University, Jordan

August 2009- August 2010

Director of King Abdullah II Fund for Development- Career Counseling, The Hashemite University, Jordan

August 2003 - 2006

Teaching Assistant, Geology and Geological Engineering, Colorado School of Mines. USA

September 1998 - 2001

Teacher, Ministry of Education, Jordan.

August 1994 - 1997

Teaching Assistant, Geology Department, University of Jordan.

OTHER EXPERIENCES

- March 2018 : Supervising Students participating in the 9th IBA Award in Bahrain
- March 2018 : Young Professionals and Student Program, AAPG Geo 2018 Conference and Exhibition.
- January 2017- Present : Member of European-funding, Erasmus + program Project entitled “ EGREEN”
- May 2017: Siliciclastic Reservoirs of The Middle East , Amman Jordan
- Feb.- March 2017 : Supervising Students participating in the 8th IBA Award in United Arab Emirates
- Feb – March 2017, Middle East Geoscience Student Conference MEGSC:, Al Ein UAE

- November 2016- May 2017: Member of AAPG technical Program committee for “AAPG “SILICICLASTIC RESERVOIRS OF THE MIDDLE EAST”
- October 2016- Present: Member of European-funding, Erasmus + program Project entitled “ Modernization of Teaching Methodologies in Higher Education” “ METHODS”
- October 2016-: Preselection Committee Member of DAAD Information Center / Amman , German Academic Exchange service (DAAD).
- 2015- Dec 2016: Member of European-funded Tempus program Project entitled “Developing interdisciplinary minors in climate change and sustainability policy” (CLIMASP).
- April 2016 Member at Women in Science and Technology (STEM) focus group, ASRF, USAID project
- 2015- present: Executive member of United States Universities Graduates USUG Club
- 2015- Present: Activities and Organization Committee at USUG – Chair
- Supervisor 7th Imperial Barrel Award (IBA)- The University of Jordan Students’ team
- 2014- Present: Supervisor of the AAPG- Student Chapter at the University of Jordan.
- 2015-Present: Member of Scientific Research Committee/ Faculty of Science – the University of Jordan.
- 2015- Present: Member of Accreditation and Quality Assurance Committee for the Department of Geology, The University of Jordan.
- 2010- P2014 : Supervisor of the AAPG- Student Chapter at the Hashemite University
- 2010-2011 Head of Course Plan- Curriculum Committee for the Geology and Environment. Department of Earth & Environmental Sciences, Hashemite University.
- 2010-2012- Member of Higher Committee, for supervision and development of the activities of HU Student’s Affairs Deanship.
- March 2010 - The superior committee to supervise the Student’s election for the Higher council of students. The Hashemite University
- 2009- 2010 Member of supervising Committee for the Graduation Ceremony.
- 2003 - 2005 Secretary- Society of Economic Geologists- Student Chapter, Colorado School of Miens
- 2005 - 2006 Vice President – Association of Women in Geosciences, Student Chapter. Colorado School of Miens
- 2004-2007 Active member of Phi Beta Delta, Colorado School of Mines

Awards and Honors

- First of class 1994.
- SEG grant for the years 2003,2004 and 2005
- Colorado Scientific Society award of 2005
- Chrysalis - Scholarship award from The AWG- Association of Women in Geosciences of 2006

COURSES TAUGHT

Undergraduate Courses

Earth System and Environmental Engineering
Igneous and Metamorphic petrology
Economic geology
Special topics /Mineral deposits
Special topics / Mining geology
Geological Data Analysis
Earth Industrial materials
Earth Resources and Environment
Mineral Exploration
Natural Hazards
Environmental geology
Environmental Science
Astronomy
General Geology 101
Graduate Courses
Advanced Applied Geostatistics

PROFESIONAL MEMBERSHIPS

Association of Jordanian Women Academics AJWA
Society of Economic Geologists (SEG)
Geological Society of America (SGA)
American Association of Petroleum Geologists (AAPG)
Association of Women in Geosciences (AWG)
Jordanian Geologists Association

Conferences and Workshops

March 2018: 13th Middle East Geosciences Conference and Exhibition (GEO 2018), Manama, Bahrain.
March 2018: 2018 Geo- Young Professionals and Students Program, Manama, Bahrain.
May 2017: Siliciclastic Reservoirs of The Middle East: An AAPG Geoscience Technology Workshop: Technical Committee member and Session Co- Chair, Amman Jordan
Feb – March 2017, Middle East Geoscience Student Conference MEGSC:, Al Ein UAE
May 2016: 2nd CLIMASP Regional Meeting, “ Developing interdisciplinary minors in Climate Change
March 2016, GEO2016- 12th Middle East Geosciences Conference & Exhibition, AAPG, Bahrain.
March 2016, Young Professionals and Students workshops, AAPG Regional Middle East. Bahrain
August 2015: 1st CLIMASP Regional Meeting (Climate Change and Sustainability Policy) in Amman & Jerash Jordan.
December, 2011, Amman, Trainer for directors and the employees of the Jordanian Youth Leadership Centers, The Higher Council for Youth- Ministry of Youth. Jordan.
December 1st, 2011, Amman, Peer Learning Workshop on Service Learning in Higher Education Concepts and Applications. Jordan.

October 30-November 3rd, 2011, Amman, Young Arab Voices “Regional Debate Training of Trainers”, British Council- The English Speaking Union-Anna Lindh Foundations, Jordan.

September 6-12, 2011, London, Developing Service Learning and Civic Engagement Partnerships across the Curriculum.

October 2011, Amman, The Sixth International- Jordanian Mining Conference. Jordanian Engineering Association.

May 2011, Amman, Workforce Development Conference- Academia and Private Sector Dialogue.

April 2011, Amman, The International Conference on Materials in Jordan

April 2011, Amman, the Seventh International Symposium on Middle East Geology and The 10th International Conference of Jordanian Geologists Association (3 papers).

December 2010, Amman, International Conference on Energy, Water and Environment (ICEWE2010). (1 paper)

November 2010, Amman, Career Guidance Partnership Conference

December 2013, Amman , Scientific Research Society.

Publications

Abed, A. ,Alzughoul, K.; 2002; Genesis of Palygorskite and the Evolution of Eshidya Basin, SE Jordan, Geological Arab Conference, Cairo, Egypt.

Broughton, D, Greaser K., Alzughoul K 2002, Petrography of Host Rocks, Alterations, and Mineralization at Beltana Zinc Deposits, South Australia, Global Exploration 2002: Integrated Methods for Discovery, SEG, Colorado, USA.

Alzughoul K, Hitzman M. (2006) Alteration and Mineralization at the Calumet Mine, Central Colorado, USA, SEG conference :Wealth Creation in the Minerals Industry; Integration Science, Business and Education, Colorado, USA

Abu Hamatteh Z., Alzughoul K., Al- Jufout S. (2011); Potential Geothermal Energy Utilization in Jordan: Possible Electric Power Generation, Int. Jour. of Thermal & Environmental Engineering, Vol 3, 1, 9-14.

Smadi, Z., Al-Malabeh A. Ala'li, J and Alzghoul K; Mineralogy and Physical Prosperities of Zircon Minerals Associated with Dubaydib Sandstone Formation, South Jordan. the 7th International Symposium on Middle East Geology and The 10th International Conference of Jordanian Geologists Association, Amman

Al-Hwaiti, M., Al Kuisi, M., Saffarini, Gh, and Alzughoul, K. , 2013, Assessment of elemental distribution and heavy metals contamination in phosphate deposits: potential health risk assessment of finer-grained size fraction, Environ Geochem Health, Springer.

Abed, M., Amirah, B. and Zughoul K. (2014); Some observations facing the interpretation of Waqf as Suwwan structure, SE desert of Jordan, as an impact crater, Arab J Geosci. Springer.

Ibrahim, K., Moh'd, B., Masri, A., Al-Taj, M., Musleh, S. and Alzuhgoul, K.; (2014): Volcanotectonic evolution of central Jordan: Evidence from the Shihan Volcano; Journal of African Earth Sciences (100), Elsevier.

Alnawfleh H., Tarawneh K., Ibrahim K., Al Zghoul K., Titi A., Rawashdeh R., Moumani K., and Masri A., (2015): Characterization and Origin of the Miocene Mudawwara- Quwayra Basaltic Dike, Southern Jordan; International Journal of Geosciences, 6, p.p. 869-881.

Alzughoul K. and AlHejoj I., (2016): Integrating Service learning and civic engagement into Earth and Environmental Sciences Course Projects: A case study from Higher Education in Jordan. GEO2016, 12th Middle East Geosciences Conference & Exhibition, AAPG, Bahrain

Ibrahim K., Alzughoul K., and Muhtasib M. (2016): New Occurrence of Potential Phosphate Resource in Northeast Jordan, Arabian Journal of Geosciences 9(7) Springer.

Mohammad, A.H., Abdullat, G. and Alzughoul, K. (2017) Changes in Total Dissolved Solids Concentration during Infiltration through Soils (Rain, Fresh Groundwater and Treated Wastewater). Journal of Environmental Protection, 8, 34-41.

Alhejoj I., Salameh E., Tarawneh A. and Alzughoul K., May (2018): Post- Cretaceous mesostructures and their Formation Mechanisms, Jordan, Asian Earth Sciences.

Publications in Review, Preparation stage:

Alzughoul, K., Saffarinin, Gh, Al- Hwaiti, M., and Al Saudi, A., Mineralogy, petrography and spatial variability of Abu Khushayba copper mineralization: Implications for future exploration for Cu in similar geologic environments.

Alzughoul, K., Ibrahim, K., and Khouri, H. Geology, Geochemistry and stable isotope characterization of Barite Deposits, Wadi Al Mingar, Northeastern Jordan

Alzughoul, K., Ibrahim, K., and Al Taj, M., Geochemistry and Petrogenesis of Al Karama basaltic occurrence, Central Jordan.

Committees at the University of Jordan

- لجنة الاعتماد و ضمان الجودة لقسم الجيولوجيا Accreditation and Quality Assurance for the Geology Department
- لجنة امهات الكتاب/ لجنة الجامعة
- لجنة تحكيم مسابقة علماء المستقبل 2018
- لجنة تحكيم مسابقة علماء المستقبل 2017
- لجنة الخطة الدراسية
- لجنة البحث العلمي كلية العلوم
- لجنة الاشراف على انتخابات اتحاد الطلبة / كلية العلوم

Workshops Attended during the Academic Year 2015-2016

- April 2018: The Application of Modern Educational Methods (Method X) تطبيق أساليب التعليم الحديثة واستخدام البوابة التعليمية (MethodsX, the University of Jordan).
- February 2018: Interactive Learning and Students' Engagement, زيادة التفاعلي التعلم, الطلبة مشاركة, the University of Jordan
- November 2017: How to write and advocate European Projects: Erasmus Plus_Training, المشاريع الأوروبية(يراسموس بلس)// كتابة وإدارة المشاريع_تدريب عملي, The University of Jordan

- March 2018 : Supervising Students participating in the 9th IBA Award in Bahrain
- March 2018 : Young Professionals and Student Program, AAPG Geo 2018 Conference and Exhibition.
- May 2017: Siliciclastic Reservoirs of The Middle East , Amman Jordan
- Febr- March 2017 : Supervising Students participating in the 8th IBA Award in United Arab Emirates
- October 2016: METHODS in Amman, Jordan
- September 2016: final CLIMASP Regional Meeting in Athens, Greece
- May 2016: 2nd CLIMASP Regional Meeting in Nicosia, Cyprus.
- March 2016 : Supervising Students participating in the 7th IBA Award in Bahrain
- March 2016: Industry - Academia Engagement and Collaboration, Bahrain.
- March 2016: Industry Led Session “Women’s Growing Role in Energy Industry, Bahrain.
- August 2015: 1st CLIMASP Regional Meeting in Amman & Jerash Jordan.
- December 2015: Energy Sector Capacity Building Activity – Two training session.
- Women’s Rights and Jordanian Law
- Using Social Media as an Energy Sector Professional
- مؤتمر الطاقة المتجددة . عمان نيسان 2016
- Women in Jordan’s Energy Sector May 20th 2015
- Women in Science and Technology Awards: May 2015

Professional and Social Services During the year 2015-2018

- 2018/2017 عضو لجنة تحكيم (مسابقة علماء المستقبل/ الاردن
- عضو هيئة ادارية في نادي خريجي الجامعات الامريكية و مقرر لجنة الانشطة و التعاون الخارجي للاشراف على الانشطة و عقد جلسات حوارية في قضايا تهتم الاردنيين مثل الضمان الاجتماعي و التعليم العالي و الفكر السياسي و الاجتماعي و ادارة بعض الجلسات
- ASRF & USAID عضو في مجموعة العالمات المؤثرات لتحفيز الابتكار و الابداع لدى الفتيات باشراف (Member in Women in STEM focus Group; April 2016)
- المشاركة في اعمال اللجنة العليا لاعداد الخطة الاستراتيجية الوطنية لقطاع الثروة المعدنية في الاردن – عمان كانون الاول 2015
- الاشراف على حملة بيت دافئ لمساعدة و ترميم البيوت في المناطق الاقل حظاً
- القاء محاضرة في الملتقى الفلكي / نادي هواة الفلك في الجامعة الاردنية شهر كانون الاول 2015

Other Activities:

Supervising Graduate Projects of Multi Groups / Senior Students (Bachelor Degree) - .