

Curriculum Vitae (CV)

Prof. Ikhlas Alhejoj

Department of Geology
School of Science, University of Jordan
11942 Amman - Jordan
Tel. Office: 009626 5535000, Ext. 22261
Mobile: 00962791709864
E-mail: i.alhejoj@ju.edu.jo
ekl_hjouj@yahoo.com



<u>Education:</u>		
2010-2013	Ph.D. , Department of Geology and Environmental Sciences, Faculty of Civil Engineering, Karlsruhe University of Technology (KIT), Germany (Concentration: Paleontology and Environmental Bio indicators).	
2007-2009	M.Sc. , Geology, Department of Environmental and Applied Geology, University of Jordan.	
2000-2004	B.Sc. , Geology, Department of Environmental and Applied Geology, University of Jordan	
<u>Work Experience</u>		
2023 May- present	Full professor	University of Jordan, Department of Geology
2023 Sept.- present	Dean's Assistant for Quality Assurance and Development Affairs	University of Jordan, Deanship of Student Affairs
2018 Oct.- 2023 May	Associate professor	University of Jordan, Department of Geology
2015 Sept.- 2018 Oct.	Assistant professor	University of Jordan, Department of Geology
2014 Sept.-2015 Sept.	Lecturer	University of Jordan, Department of Geology
2011 Apr.-2013 Dec.	Research assistant	Karlsruhe University of Technology (KIT), Department of Geology and Environmental Sciences, Faculty of Civil Engineering.
2007 Sept.-2009 Dec.	Teaching assistant in laboratory sessions in the structural geology general geology and hydrology labs.	University of Jordan, Department of Geology
2005 Aug.-2010 Sept.	Teacher	Ministry of Education

Publications:	
2023	Alhejoj, I. Faris, M, Ahmad, F, Farouk, S, Sreepat, J., Musa, & Shama, M. (2023). Calcareous nannofossil biostratigraphy and bioevents across the Ypresian/Lutetian boundary in Egypt and Jordan, <i>Journal of African Earth Sciences</i> , https://doi.org/10.1016/j.jafrearsci.2023.104881 .
	Alzghoul, K., & Alhejoj, I. (2023). Aquatic Macroinvertebrates as Bioindicators of Water Quality in Wadi Mujib and Wadi Shueib, Jordan. <i>IJDNE</i> ..
2023	Alhejoj, I. , & Salameh, E. (2023). Introduction to the Geology of Jordan. In press. Cambridge Scholars Publishing. London, UK. https://www.cambridgescholars.com/product/978-1-5275-2813-0
2023	Alhejoj, I. , Hiasat, T.H., Salameh, E., Hamad, A.A., Al Kuisi, M., Al Hse (2023). Use of the aquatic mayfly (Insecta: Ephemeroptera) as environmental indicator in Jordan. <i>International Journal of Design & Nature and Ecodyna</i> 18, No. 1, pp. 133-139. https://www.iieta.org/journals/ijdne/paper/10.18280/ijdne.180115
2023	Al Kuisi, M., Hayart, T., Alqaisi, K., Alhejoj, I. , & Al-Rshaidat, M. (2023). Preliminary Investigation of Bioaccumulation of Microcystins in Hypereutrophic Irrigation Ponds Case Study: The Jordan Valley. <i>Journal of Ecological Engineering</i> . 24(4), 36–53. https://yadda.icm.edu.pl/baztech/element/bwmeta1.element/baztech-c3acd426d-bac9-f3cd7b8b00bb
2023	Alhejoj, I. , & Salameh, E. (2023). Rapid tectonic evolution of the Levant Pleistocene and its implications to topography and local lakes' formation a disappearance -Factors affecting human migration and settlement. <i>Studies in the History and Archaeology of Jordan</i> .
2022	Alhejoj, I. , Salameh, E, Alzughoul, K., & Alamaireh, M. (2022). Geology and palaeoenvironments of Quaternary Tawil deposits in Ma'an desert, Jordan. <i>Neues Jahrb. Geol. Paläontol.</i> 303(3):243-256. DOI: 10.1127/njgpa/2022/1045
2022	Alhejoj, I. , Bandel, K., Salameh, E., Gharaibeh, M., & Ibbini, J. (2022). Plants of Saline Coastal and Inland Sabkha Areas as Indicators of environmental conditions in southern Jordan. <i>JJEES</i> 13 (3): 190-198. https://jjees.hu.edu.jo/files/Vol13No3/JJEES_Vol_13_No_3_P5.pdf
2020	Klein, H., Gierliński, G., Lallensack, J. N., Abu Hamad, A., Al-Mashakbeh, H., & Alhejoj, I. , Konopka, M. & Błoński, M. (2020). First Upper Cretaceous dinosaur track assemblage from Jordan (Middle East) – preliminary results. <i>Annales Societatis Geologorum Poloniae</i> , 90: 331–342. DOI: 10.14241/asgp.2020.10
2020	Alhejoj I. , & Sartori M, Gattolliat J-L (2020) Contribution to the mayflies (Insecta, Ephemeroptera) of Jordan. <i>Check List</i> 16(2): 237-242. DOI: https://doi.org/10.15560/16.2.237
2019	Alqudah, M., Monzer, A., Sanjuan, J., Salah, M., & Alhejoj, I. , (2019). Calcareous nannofossil, nummulite and ostracod assemblages from Paleocene to Miocene successions in the Bekaa Valley (Lebanon) and its paleogeographic implications, <i>Journal of African Earth Sciences</i> . 1,; 82-94, https://doi.org/10.1016/j.jafrearsci.2018.12.001

2019	Alhejoj, I. , Farouk, S., Bazeen, Y.S. & Ahmad, F. (2020). Depositional sequences and sea-level changes of the upper Maastrichtian-middle Eocene succession in central Jordan: Evidence from foraminiferal biostratigraphy and paleoenvironments. <i>Journal of African Earth Sciences</i> , 161: 103663. DOI: 10.1111/1755-6724.14695
2018	Ahmad, K., & Alhejoj, I. (Manuscript), Geochemical Analysis of Benthic and Planktonic Foraminifera as indicators for Changes in Sea level and Paleo-deposition of Oil Shales, Jordan.
2018	Alhejoj, I. , Alqudah, M., Alzughoul, K., & Tarawneh., A. (2018). Post-Cretaceous mesostructures and their Formation Mechanisms, Jordan. <i>JJEES journal</i> . 9 (2): 116-126
2018	Alhejoj, I. , Bandel, K., Salameh, E.& Alzughoul, K. (2018). Traces of ancient geysers preserved in the travertine of Siwaqa, Jordan: conditions of their formation. <i>Environ Earth Sci</i> 77 , 281. https://doi.org/10.1007/s12665-018-7453-z
2018	Alhejoj, I. , Bandel, K., & Abu Hamad, A. (2018). Ringiculidae and Acteonidae (Architectibranchia, Gastropoda) from the Campanian Amman Silicified Limestone Formation compared to similar species from the fringing reef of the Gulf of Aqaba, Jordan. <i>JJEES journal</i> . 9: 89 – 101
2018	Salameh, E., Bandel, K., Alhejoj, I. & Abdallat, G. (2018). Evolution and Termination of Lakes in Jordan and Their Relevance to Human Migration from Africa to Asia and Europe. <i>Open Journal of Geology</i> , 8 , 1113-1132. doi: 10.4236/ojg.2018.812068 .
2018	Orabi, O.H., El-Badry, A.EM.A., & Alhejoj, I. (2018). Response of Mollusk Assemblages to Environmental Conditions: A Case Study from the Burullus Lagoon, Egypt. <i>J Geol Soc India</i> 91 , 583–588. https://doi.org/10.1007/s12594-018-0908-8
2016	Bandel, K., Alhejoj, I. & Salameh E. (2016) Geologic evolution of the Tertiary-Quaternary Jordan Valley with Introduction of the Bakura Formation. <i>Freiberger Forschungshefte</i> , 23, 103-135.
2017	Alhejoj, I. , Bandel, K., & Salameh, E. (2017). Aquatic Mollusks: Occurrences, Identification and Their Use as Bioindicators of Environmental Conditions (Salinity, Trace Elements and Pollution Parameters) in Jordan. In: Abdalla, O., Kacimov, A., Chen, M., Al-Maktoumi, A., Al-Hosni, T., Clark, I. (eds) <i>Water Resources in Arid Areas: The Way Forward</i> . Springer Water. Springer, Cham. https://doi.org/10.1007/978-3-319-51856-5_17
2016	Alhejoj, I. , 2016. The fossil beach and reef terraces of the Gulf of Aqaba coast, Jordan -Its environment, formation and relation to mountain uplifting Mechanism-Arabian Journal of Geosciences. https://link.springer.com/article/10.1007/s12517-015-2293-6

2015	Alhejoj, I. , Biological Water Quality Indicators: Integrated Water Resources Management in the Lower Jordan Rift Valley, BMBF IWRM R&D Program, Karlsruhe Institute of Technology
2015	Alhejoj, I. , Bandel, K. & Salameh, E. (2015) Floral Species as Environmental Quality Indicators in Jordan: High Salinity and Alkalinity Environments. <i>Journal of Environmental Protection</i> , 6 , 494-514. doi: 10.4236/jep.2015.65047 . .
2015	Mohammad, A., Almomani, T.& Alhejoj, I. (2015) Groundwater Vulnerability for the Surface Outcropping Aquifers in Jordan. <i>Journal of Environmental Protection</i> , 6 , 250-258. doi: 10.4236/jep.2015.63025 .
2014	Published book , Alhejoj, I. , Salameh, K., & Abu Hamad, A (2014) in LAP, title: Deformed fossils and related structures in Jordan. LAP LAMBERT Academic Publishing, (http://www.amazon.com/Deformed-fossils-related-structures-Jordan/dp/3659538221)
2014	Alhejoj, I. , Salameh, E., & Bandel, K. (2014) in International Journals of Scientific Research Publications (IJSRPUB, title: Mayflies (order Ephemeroptera): An effective indicator of environmental conditions in Jordan.
2014	Published book , Alhejoj, I. , Bandel, K., & Salameh, E. (2014) in University of Jordan press, title: Aquatic fauna and flora and their environmental indicator values in Jordan.
2013	Alhejoj, I. & Bandel, K. (2013): Mollusks of the Pleistocene deposits (Al-Qarn Formation) of the Jordan Rift-Valley in Jordan. <i>Paläontologiatigraphie· Fazies</i> (21), Freiburger Forschungshefte, C 545: 141–173; Freiberg.
2012	Alhejoj, I. , Salameh, K., & Abu Hamad,A, (2012) title: "Deformed fossils and related structures in Jordan" in JJEES journal. http://jjees.hu.edu.jo/files/vol5n1/10-006mod(5) .
<u>Classes Taught:</u>	
Master level	- Micropaleontology
Undergraduate	- Stratigraphy and Historical Geology - Environmental Culture and Development geology - Invertebrate Paleontology - Geology of Jordan
Conferences	- Alhejoj I. 2023. Invertebrate Assemblages as an Indicator of Aquatic Environmental status in the Eastern Side Wadis of Wadi Araba. 11th Annual International Conference on Water. 10-14 July, Athens, Greece.

- **Alhejoj I. 2023.** Macro faunal species as environmental indicator of aquatic bodies; health in Jordan. November 6-11, 2022, Malta
- **Alhejoj I., and Al Hseinat M. 2022.** Mesoscopic structural elements in Jordan and their possible mechanisms of formation. **DRT-2022 - 23rd International Conference on Deformation Mechanisms, Rheology and Tectonics, 4-10 July 2022 Catania, Italy.**
- **Alhejoj, I., and Salameh, E. 2022.** Rapid tectonic evolution of the Levant during the Pleistocene and its implications to topography and local lakes' formation and disappearance- Factors affecting human migration and settlement-. **The 15th International conference on History and Archaeology of Jordan (ICHAJ 15), Yarmouk University- Jordan.**
- **Alhejoj I., 2022.** Macrofaunal species as environmental indicator of aquatic bodies; **health in Jordan, Frontiers of Science: Innovation, Research, and Education in the Middle East, 6-11 November 2022 Malta.**
- **Alhejoj, I., 2020.** Women in Applied Sciences, **Virtual Conference on Online Learning and Education, April 2020.**
- **Ahmad, K., Gregory, A., Alhejoj, I., 2018.** Geochemical Analysis of Benthic and Planktonic Foraminifera as indicators for Changes in Sea level and Paleo-deposition of Oil Shales, Jordan. **Ocean Sciences Conference, 11-16 February 2018 Portland, Oregon.**
- **Alhejoj, I., 2016.** The occurrences and origins of deformed structures in the Upper Cretaceous deposits in Jordan. **Arthur Holmes conference 2016: The Wilson Cycle: Plate Tectonics and Structural Inheritance During Continental Deformation, Burlington House, London**
- **Alhejoj, I., 2016.** Aquatic mollusks: Occurrences, Identification and their Use as Bioindicators of Environmental Conditions (Salinity, trace elements content and pollution) in Jordan, **the International Oman conference Muscat, Oman.**
- **Alhejoj, I., 2016.** Macrofauna as indicator of water quality in the lower Jordan River catchment-eastern side, 2nd International Conference on Geology, Dubai, UAE.
- **Alzghoul, K., and Alhejoj. I.** Integrating service learning and civic engagement into Earth and Environmental Sciences Course Projects: A case study from Higher Education in Jordan. **AAPG GEO-2016, 12th Middle East Geosciences Conference & Exhibition, Manama, Bahrain**

	<ul style="list-style-type: none"> - Salameh, E., Bandel, K., and Alhejoj, I., 2014. The Fossil Beach and Reef Terraces of the Gulf of Aqaba Coast, Jordan. Aqaba International Conference on Marine and Coastal Environment "Status and Challenges in the Arab World", Jordan, Aqaba, October 27-29. - Alhejoj, I., 2014.Plants on Salty Ground from Aqaba, Jordan. Aqaba International Conference on Marine and Coastal Environment "Status and Challenges in the Arab World. Aqaba, Jordan - Alhejoj, I. IWRM International Conferences in Karlsruhe 2012 and Dresden 2011/ Germany.
<u>Experience and Additional Course:</u>	
2023 to present	Member in the UNESCO Chair in Sabkha Ecosystem in the Environmental Sciences Center at Qatar University.
2022 to present	Editorial Board Member of Earth Sciences(EARTH) Journal - Editorial Board Member of Geosciences Journal (Acadlore/International Information and Engineering Technology Association)
2022	Attended advanced workshops and training courses (TTT) on Innovation and Entrepreneurship with Accreditation and Quality Assurance Center, Impact Mean company, Erasmus, Foundation care, DAAD and Orange company
2015 to 2019	Member of the Board of Trustees of the Development & Employment Fund/ Ministry of Labor , Jordan.
2016 – to 2019	Member of the Review Committees of Accreditation & Quality Assurance Commission for Higher Education Institutions (Amman, Jordan)
2019	
2015	Environmental Risk Management ,TOT training course, Free Berlin University, Berlin, Germany
2014	Decision-making and problem solving Workshop with Returning Expert team, TOT.
2012	Assessment of Development Planning and Environmental Disaster Management courses, Environmental Impact Assessment course (EIA) with Karlsruhe University at KIT University- Germany
2012	Attended SMART Workshop and training course “Groundwater protection and tracing techniques “at Al-Balqa Applied University, Salt, Jordan.
2011	Paleontology, intensive course (including; macrofossils (Gastropods and Ostracod) identification and documentation of late Pleistocene and Holocene sample material) at the Freie University of Berlin, Department of Earth Sciences, Branch Paleontology, Germany, with Prof. Dr. Steffen Mischke.

2011	Ecology of Aquatic ecosystems, Integrated water management, and Urban water supply and Sanitation training courses with Dr. Charlotte Kämp and Dr. Stephan Fuchs at Karlsruhe University, Department of Aquatic Environmental Engineering. Germany.
2011	Water Situation in Jordan Workshop at University of Jordan.
2010-2011	Worked with (German Research Foundation) in macro-structures and other structural geologic deformation
2008-2011	Worked with SMART project in fossils and other phenomena as structural geologic indicators of deformation
2010	Worked on raised coral reefs in the Gulf of Aqaba with Arab Consultants Bureau (Engineering for life) Company.
2009	Field and laboratory mapping and analyses of microstructures and stress fields leading to the formation of deformed fossils and other phenomena, whether of tectonic or a tectonic origin.
2009	Microstructures and macrofossils intensive course Hamburg University, Germany with Prof. Dr. Klaus Bandel.
2007-2008	Water quality chemical analyses and interpretations training at the University of Jordan.
Award and Grants	
Oct.2023	The Best Researchers Award, United Medical Council, Times of Research and the World Research Council.
May 2019	Proposal Writing Training Course for Research Grants, German Academic Exchange Service (DAAD), TOT. University of Göttingen, Germany and American University of Beirut, Lebanon.
2019	Deanship of Scientific Research Financial Fund / 13000\$. Project: Biological indicators of water quality in Wadi Araba area.
2016	Deanship of Scientific Research Financial Fund / 22000\$. Project: Geology of paleo aquatic deposits in Al Jafr area, Maan.
Sept.2010- Dec. 2013	Fully funded scholarship for a PhD. Degree in Geology, German Federal Ministry of Science and Technology (BMBF).
<u>Other Experiences and Membership:</u>	
JGA	Jordanian Geologists Association
IFWE	International Foundation for Women's Empowerment
AJWA	Association of Jordanian Women Academics
European DRT Society	European Society for "Deformation mechanisms, Rheology and Tectonics
STRA	Scientific and Technical Research Association