

dr. Barkat Ayoub, PhD

Citizenship Algerian

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Position Junior Researcher

Scientific Degree PhD of Natural Sciences

Research Field Groundwater assessment, Hydrogeological and geophysical characterization, Water quality analysis, Hydrologic and Hydraulic Modeling, Wastewater treatment and reuse, Environmental impact assessment, Sustainable water management, Spatial Analysis & GIS, Climate Change, Pollution assessment, and Analytical Chemistry of Water and Soil.

Publications <https://scholar.google.com/citations?hl=en&user=5YoCZLEAAAAJ>

Recognitions

2024 Awarded Summa Cum Laude for Doctor of Philosophy (PhD) in Natural Sciences / Earth Sciences.

2019 Awarded the Stipendium Hungaricum scholarship for PhD studies in Hungary, provided by the Algerian Ministry of Higher Education and the Tempus Public Foundation.

2019 Awarded First Rank Honors in Master of Science (MSc) in Urban Hydraulic Engineering.

2017 Awarded First Rank Honors in Bachelor of Science (BSc) in Hydraulic Engineering.

Scientific life

2019- 2024 Member of the Laboratory of Geoscience Institute, University of Debrecen.

2019- 2024 Member of the research team, Department of Landscape Protection and Environmental Geography, Institute of Earth Sciences, University of Debrecen.

2018- 2019 Member of the Laboratory of Research in Civil and Hydraulic Engineering, Sustainable Development and Environment (LARGHYDE), University of Mohamed Khider Biskra.

2016- 2018 Member of the Bernoulli Hydraulics Club as a young talented hydraulics professional, Department of Civil and Hydraulic Engineering, University of Mohamed Khider Biskra.



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Studies

2019-2024	University of Debrecen, Debrecen, Hungary. PhD in Natural Sciences/Earth Sciences.
2023	University Miguel Hernández, Alicante, Spain. Online Training on Artificial Intelligence Applied to the Massive Analysis of Scientific Information.
2022	Deutsche Vereinigung für Wasserwirtschaft, Abwasser und Abfall e. V. (DWA), Hennef, Germany. Practical Training on the German Water Sector.
2020	Udemy Platform. Online Course on ArcGIS Desktop for Spatial Analysis.
2020	Udemy Platform. Online Course on ArcGIS: GIS & ArcMap, ArcCatalog, ArcGlobe, ArcScene.
2020	Udemy Platform. Online Course on MODFLOW.
2017-2019	University of Mohamed Khider Biskra, Biskra, Algeria. MSc in Urban Hydraulic Engineering.
2014-2017	University of Mohamed Khider Biskra, Biskra, Algeria. BSc in Hydraulic Engineering.
2011- 2014	Technicome (High School) of Said Ben Chaib, Biskra, Algeria. Experimental Sciences.

Professional Experience

2019 -2024	Laboratory Assistant, Laboratory of Geoscience Institute, University of Debrecen, Debrecen, Hungary.
2018 - 2019	Laboratory Assistant, Laboratory of Research in Civil and Hydraulic Engineering, Sustainable Development and Environment (LARGHYDE), University of Mohamed Khider Biskra, Biskra, Algeria.
2022	Internship, Oil & Gas Operations & Safety Compliance, SONATRACH, Biskra, Algeria.
2021	Internship, Physicochemical and Bacteriological Analysis of Surface water, groundwater, and Wastewater, Algérienne des Eaux, Biskra, Algeria.
2017	Internship, Waste Management and Water Resources, Bureau d'Études en Hydraulique et Environnement, Biskra, Algeria.



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2015

Internship, Water Supply Network Design & Analysis, Bureau d'Études en Hydrauliques Urbaines, Biskra, Algeria.



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