CURRICULUM VITAE

1. PERSONAL DATA

Name: Askri

First name: Brahim

Date of Birth: April 11th, 1969

Place of Birth: Gafsa, Tunisia

Nationality: Tunisian

Address: BP. Nº 50, Sidi Abou Loubaba, 6012 Gabès -Tunisie

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Websites:

https://www.researchgate.net/profile/Brahim_Askri

https://scholar.google.com/citations?user=2CyV4Q8AAAAJ&hl=en

https://www.linkedin.com/in/brahim-askri-3ab5aa92/

https://www.scopus.com/results/results.uri?sort=plf-f&src=s&st1=Askri&st2=Brahim&nlo=1&nlr=20&nls=count-f&sid=6d76b63e84d92248b3e1ca65c3b68666&sot=anl&sdt=aut&sl=33&s=AU-ID%28%22Askri%2c+Brahim%22+6506108552%29&txGid=d8317585060f87436c8c2b2bb0f3035c

ORCID: https://orcid.org/0000-0002-3570-2884

2. ACADEMIC/PROFESSIONAL PARTICULARS

Field of Specialisation:
Hydraulics Engineering (Hydrology)

Academic Qualifications

September 2019:	**University Habilitation** (post-doctoral degree), Water Engineering National Engineering School of Tunis, Tunisia Thesis: *Salinisation of irrigated soils and seawater intrusion in groundwater coastal aquifers in arid and semi-arid regions*
February 2002:	**PhD, Hydraulics Engineering** National Engineering School of Tunis, Tunisia Thesis Advisors: Prof. Rachida Bouhlila and Dr. Job Jean Olivier Thesis: *Hydrological modeling of water flow and solute transport in soil and shallow groundwater aquifer in a modern Tunisian oasis*

November 1994: **Master of Engineering, Modeling of Hydraulics and Environment**
National Engineering School of Tunis, Tunisia
Thesis Advisors: Prof. Rachida Bouhlila and Dr. Job Jean Olivier
Thesis: *Impact of upward flow from a shallow and saline groundwater on soil salinity in a traditional Tunisian oasis*

July 1992 **Bachelor of Engineering, Civil Engineering**
National Engineering School of Tunis, Tunisia
Technical project: *Design and calculation of wastewater pipeline across the Bizerte River in Tunisia*

3. CAREER DETAILS

Academic Positions Held

July 2020- until now: **Associate Professor in hydraulics engineering (specialisation in hydrology)**
National Engineering School of Gabès, Tunisia
Department of Civil Engineering

September 2017- June 2020: **Assistant Professor in civil engineering**
National Engineering School of Gabès, Tunisia
Department of Civil Engineering

September 2011- August 2017: **Assistant Professor in civil engineering**
Caledonian College of Engineering, Sultanate of Oman (affiliated to Glasgow University in UK). Department of Built and Natural Environment.

September 2002- August 2011: **Assistant Professor in civil engineering**
National Engineering School of Gabès, Tunisia
Department of Civil Engineering.

Professional/Industrial Positions Held

September 2000- August 2002: **Senior Civil Engineer**
National Agency for the Protection and Management of the Coastal Zone in Tunisia
Ministry of Environment and Durable Development in Tunisia

February 2000-August 2000 **Researcher assistant in soil physics**
National Institute for Research in Rural Engineering, Water and Forest, Tunisia
Ministry of Agriculture, Water Resources and Fisheries, Tunisia

4. TEACHING EXPERIENCE

Courses taught

- Fluid Mechanics
- Urban Hydraulics
- Water Engineering
- Water resources
- Hydrology
- Hydrogeology
- Coastal Engineering
- Physics of Buildings
- Construction materials

Facilitator training

- Workshop on the application of Hydrus-1D software to simulate water flow and solute transport in variably saturated porous media, Higher Institute of Sciences and Techniques of Waters of Gabès, Tunisia, March, 25-27, 2021.

- Short-course on ‘’Stream flow measurement technics and modeling’’ under the ERASMUS+ program at Universidade-os-Mentes e Alto Douro, Portugal, November, 07-11, 2019.

Participation in Academic Accreditation

Oman Authority for Academic Accreditation and Quality
Caledonian College of Engineering, Assurance of Education

5. SERVICE

Chair of faculty hiring committee at the University of Gabès, Tunisia
Speciality: civil engineering, since September 2021.

Membership of National Scientific Advisory Boards
PhD theses-Committee board in geology, member, since December 2020 until now
Higher Institute of Water Sciences and Technics of Gabès -Tunisia.

Membership of Conference Scientific Committees

- International Conference ‘’Water Resources in Arid areas: The Way Forward”, Sultan Qaboob University, Sultanate of Oman, March 13-16, 2016.
- The 3rd International Symposium of Water Resources and Environmental Impact Assessment in Northern Africa, Sousse, Tunisia, March 25-27th, 2021.

Membership of the Editorial board of the Journals:

- Anthropogenic Pollution
- American Journal of Water Science and Engineering

Service as Reviewer

Theses

1- I reviewed the following PhD theses:

Zemni Nesrine, 2022. Field experiment and Numerical modelling of water flow, solute fate under micro irrigation system in oasis arid climate south part of Tunisia. National Engineering School of Tunis, Tunisia. 161 p.

Al-Hmani Ahmed, 2023. Hydrogeochemical investigation of multiple aquifer system of Sana'a basin, Yemen: Water quality and WASH programs.142 p.

Journals

- Journal of Environmental Management, ISSN: 0301-4797, Elsevier, 1970-2020
- Agricultural Water Management, ISSN: 0378-3774, Elsevier, 1976-2020
- Stochastic Environmental Research and Risk Assessment, ISSN: 1436-3259, Springer, 1999-2020
- Isotopes in Environmental and Health Studies: 10256016-14772639, Taylor and Francis Ltd, 1995-2020
- Hydrological Sciences Journal, ISSN: 02626667 , Taylor and Francis Ltd, 1982-2020
- SciTechnol, ISSN: 2348-098X, SciTechnol
- African Journal of Agricultural Research, ISSN: 1991-637X, Academics Journal, 2006-2020
- Applied Water Science, ISSN: 2190-5495, Springer, 2011-2021

Conferences

- International Conference ''Water Resources in Arid areas: The Way Forward", Sultan Qaboob University, Sultanate of Oman, March 13-16, 2016.

- Scientific committee, member, The 3rd International Symposium of Water Resources and Environmental Impact Assessment in Northern Africa, Sousse, Tunisia, March 25-27th, 2021.

6. COMPUTER SKILLS

- Familiar with FORTRAN programming language
- Hydraulic infrastructure software: EPANET 2
- Hydrogeological software: MODFLOW, FEFLOW
- Software for vadose zone hydrology: HYDRUS 1D and 2D
- Statistical software: SYSTAT
- Cartography software: ArcGis, Surfer 9.0
- Word, excel, power point, internet

7. MEMBERSHIP OF PROFESSIONAL BADIES

- Canadian Society for Civil Engineering, member since April 2020
- International Network of Salt-Affected Soils (INSAS), FAO, member since February 2021

8. LANGUAGES

Language	Spoken	Written
Arabic	Native	Native
English	Full Professional Proficiency	Full Professional Proficiency
Fresh	Full Professional Proficiency	Full Professional Proficiency

9. TRAINING

23 - 27 July 2012	NYP concepts and academic management - Nanyang Polytechnic International, Singapore
5 -7 February 2012	Student Centric Approach to Teaching-Learning Process- VIT University, India

10. LIST OF PUBLICATIONS

International Refereed Journals

- Brahim Askri, Sonia Khodmi, Rachida Bouhlila. 2022. Impact of subsurface drainage system on waterlogged and saline soils in a Saharan palm grove. CATENA 212, 106070, 17 p. DOI: 10.1016/j.catena.2022.106070 (Impact Factor IF= 5.198).

- Brahim Askri, Abdelkader T. Ahmed, Rachida Bouhlila. 2022. Origins and processes of groundwater salinisation in Barka coastal aquifer, Sultanate of Oman. Physics and Chemistry of the Earth 126, 103116. DOI: 10.1016/j.pce.2022.103116 (Impact Factor IF = 2.712).

- Lamia Guellouz, **Brahim Askri**, Jérôme Jaffré, Rachida Bouhlila, 2020. Estimation of the soil hydraulic properties from field data by solving an inverse problem. Sci Rep 10, 9359. https://doi.org/10.1038/s41598-020-66282-5.

- Abdelkader T. Ahmed, Mahmoud Elsayed, **Brahim Askri**, 2020. Environmental impacts of phosphate rocks on the water quality of rivers. The Journal of Engineering, Science and Computing, 3(1), 74-85.

- Abdelkader T. Ahmed, **Brahim Askri**, 2016. Seawater Intrusion Impacts on the Water Quality of the Groundwater on the Northwest Coast of Oman, Water Environment Research 88 (8), 732-740. (Impact Factor IF = 1.946).

- **Brahim Askri**, Abdelkader T. Ahmed, Razan Ali Al-Shanfaria, Rachida Bouhlila, Khater Ben Khamis Al-Farisida, 2016. Isotopic and geochemical identifications of

groundwater salinisation processes in Salalah coastal plain, Sultanate of Oman. Chemie der Erde-Geochemistry 76(2), 243-255. (Impact Factor IF = 2.871).

- **Brahim Askri**, Shafiquzzaman, Md., Ravikumar, B.N., Asima Kaleem, Khater Ben Khamis Al Farisi, 2016. Assessment of Groundwater Quality and its Suitability for Drinking and Agricultural Use in Batinah Coastal Plain, Sultanate of Oman. International J. Water Resources and Arid Environments, 5(1), 43-53.

- **Brahim Askri**, 2015. Hydrochemical processes regulating groundwater quality in the coastal plain of Al Musanaah, Sultanate of Oman. Journal of African Earth Sciences 106, 87–98. (Impact Factor IF = 2.046).

- Abdelkader T. Ahmed, **Brahim Askri**, Shafiquzzaman, Md., 2015. Multi-regime leaching assessment model for the migration of the pollutants released from granular waste materials. International J. Environment and Waste Management 16(1), 81-94.

- **Brahim Askri**, Abdelkader T. Ahmed, Tarek Abichou, Rachida Bouhlila, 2014. Effects of shallow water table, salinity and frequency of irrigation water on the date palm water use. Journal of Hydrology 513, 81-90. (Impact Factor IF = 5.722).

- Shafiquzzaman, Md., Abdelkader T. Ahmed, Shafiul Azam, Md., **Brahim Askri**, Haydar Faez Hassan, Okuda, H. 2014. Identification and Characterization of Dissolved Organic Matter Sources in Kushiro River Impacted by a Wetland. Ecological Engineering 70, 459-464. (Impact Factor IF = 4. 035).

- **Brahim Askri**, Rachida Bouhlila, Jean-Olivier Job, 2010. Development and application of a conceptual hydrologic model to predict soil salinity within modern Tunisian oases. Journal of Hydrology 380, 45-61. (Impact Factor IF = 5.722).

- **Brahim Askri**, Rachida Bouhlila, 2010. Evolution de la salinité dans une oasis modern de la Tunisie. Etude et gestion des sols, 16 p.

- **Brahim Askri**, Rachida Bouhlila, Jean-Olivier Job, 2001. The water and salt budget in an irrigated plot of an oasis (South Tunisia). IAHS Publ. 272, 431-438.

Books/Book Chapters

- **Brahim Askri** and Razan Ali Al-Shanfari, 2017. Assessment of Hydro-chemical Processes Inducing the Groundwater Salinisation in Coastal Regions: Case Study of the Salalah Plain, Sultanate of Oman. Water Resources in Arid Areas: The Way Forward, Springer, 18 p.

- **Brahim Askri**, Rachida Bouhlila, Jean-Olivier Job, 2005. Simulations on saline water use for sustaining modern oases in Southwestern Tunisia. Bulletin of the Francophone group of transfers in porous media 51, 78-84.

- **Brahim Askri**, Rachida Bouhlila, Jean-Olivier Job, 2001. Simulations on water flow and salt transport in an irrigated plot in the Segdoud oasis (South Tunisia), Experimental and Numerical Investigations. TWNSO, Sharing innovative experiences, 11 p.

Participation in International Conferences

- Geochemical investigation of soil amendment with livestock manure and beach-gravel on soil quality in a coastal Tunisian oasis. 4th AGIC: Geoscience Innovations for Resources Management Socio-economic Challenges in an Environmentally Constrained World: March 18-20, 2023 in Hammamet, Tunisia.
- International Water Conference 2016. Water Resources in Arid areas: The Way Forward. Muscat, Oman, March 13-16.
- 6th International Conference on Water Resources and Arid Environments (ICWRAE), King Saud University, Riyadh, Saudi Arabia, 16-18 December 2014.
- International Conference on Agricultural Engineering. Sultane Qaboos University, Muscat, 24-26, February 2013.
- 4th International Conference on Water Resources and Arid Environments (ICWRAE), King Saud University, Riyadh, Saudi Arabia, 5-8 December 2010
- International Symposium on porous media and water quality. Francophone group on Transfers in Porous media. National Engineering School of Tunis, Tunisia, 20-25 November 2005
- Seminar of the International Comity of the Irrigation and Drainage (ICID). Montreal Canada, 20-27 July 2002
- International Symposium on Integrated Water Resources Management. University of California, Davis, USA, 9-12 April 2000
- International Conference on groundwater in agriculture regions. Poitiers University, France, 13-15 September 2000

11. RESEARCH GRANTS

Research project, Cooperation partner, German Academic Exchange Service (DAAD). *EVASAL: Environmental applications of evaporative salt precipitation in porous media: numerical modeling and experimental investigations.* Institut für Wasser- und Umweltsystemmodellierung. Universität Stuttgart (uni-stuttgart.de). https://www.iws.uni-stuttgart.de/lh2/forschung/Abgeschlossene-Projekte/Evasal/

12. STUDENTS SUPERVISED

Level	Number of Trainees
PhD thesis (under supervision)	4
Master of Science thesis	2
Technical project	35