

PERSONAL INFORMATION



Gaagai Aissam

📍 Commune de yabous, 40023, Khenchela, Algeria

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🗣 <https://www.researchgate.net/profile/Aissam-Gaagai>

Sexe Male | Date de naissance 1981 | Nationalité Algeria

WORK EXPÉRIENCE

From 10/2019 – Current position

Researcher

Scientific and Technical Research Center on Arid Regions (CRSTRA), Biskra, Algeria

From 02/2018 – 09/2019

Project Manager

Inetr-enterprise

1-Construction of the Tahgariste dam treatment station

From 02/2018 – 09/2019

Assistant Director

COSIDER

1. Construction of the Taghariste khenchela dam (2010-2015)

2. Construction of the Saklafa Laghouate Dam (2015-2016)

3. Construction of the Soubela M'sila Dam (2016-2017)

From 02/2008 – 02/2010

Monitoring Engineer

SORETED

1. Construction of three roads (small sections)

2. Construction of a public landfill

3. Construction of a 3 km sewer line

From 02/2006 – 02/2008

Monitoring Engineer

DESIGN OFFICE

1. DWS project monitoring

2. Study of a DWS network

ÉDUCATION ET FORMATION

12/12/2012 – 18/11/2017

Ph.D. in Hydraulic, Option : Management and hydraulic works

Mostafa Be Boulaid – Batna 2 University

10/10/2006 – 22/04/2009

Master degree in Hydraulic

Hadj lakhedher – Batna University

10/10/2000 – 22/06/2005

Engineer in Hydraulic, Option : Management and hydraulic works

Hadj lakhedher – Batna University

07/2000

Baccalaureate sciences.

Taouziant high school, Khenchela. Algeria.

PERSONAL SKILLS

Mother tongue(s)

ARABIC

- Gaagai, A.**; Aouissi, H.A.; Bencedira, S.; Hinge, G.; Athamena, A.; Haddam, S.; Gad, M.; Elsherbiny, O.; Elsayed, S.; Eid, M.H.; et al. Application of Water Quality Indices, Machine Learning Approaches, and GIS to Identify Groundwater Quality for Irrigation Purposes: A Case Study of Sahara Aquifer, Doucen Plain, Algeria. *Water* 2023, 15, 289. <https://doi.org/10.3390/w15020289>
- Athamena, A.; **Gaagai, A.**; Aouissi, H.A.; Burlakovs, J.; Bencedira, S.; Zekker, I.; Krauklis, A.E. Chemometrics of the Environment: Hydrochemical Characterization of Groundwater in Lioua Plain (North Africa) Using Time Series and Multivariate Statistical Analysis. *Sustainability* 2023, 15, 20. <https://doi.org/10.3390/hsu15010020>
- M Ghodbane, L Benaabidate, A Boudoukha, **A Gaagai**, O Adjissi, W Chaib, HA Aouissi (2022) Analysis of groundwater quality in the lower Soummam Valley, North-East of Algeria. *Journal Of Water And Land Development*. DOI: 10.24425/jwld.2022.141549.
- Gaagai, A.**; Aouissi, H.A.; Krauklis, A.E.; Burlakovs, J.; Athamena, A.; Zekker, I.; Boudoukha, A.; Benaabidate, L.; Chenchouni, H. (2022). *Modeling and Risk Analysis of Dam-Break Flooding in a Semi-Arid Montane Watershed: A Case Study of the Yabous Dam, Northeastern Algeria*. *Water*, **14**, 767. <https://doi.org/10.3390/w14050767>.
- HA Aouissi, A Petrisor, **A Gaagai**, F Kheira, F K Kebaili (2022). *Geo-statistical Approaches to Study the Influence of Land Use on Avifauna in North Africa*. *Sustainable Urban Planning & Territorial Management*. DOI: 10.31428/10317/10359.
- HA Aouissi, M Ababsa, **A Gaagai**, Z Bouslama, Y. Farhi, H Chenchouni. (2021). *Does melanin-based plumage coloration reflect health status of free-living birds in North African urban environments?* *Avian research*. **12**, 45. <https://doi.org/10.1186/s40657-021-00280-7>.
- A Gaagai**, A Boudoukha, L Benaabidate (2020). *Failure simulation of Babar dam—Algeria and its impact on the valley downstream section*. *Journal of Water and Land Development*. **44**: 75–89. <https://DOI.org/10.24425/jwld.2019.127048>.
- A Gaagai**, A Boudoukha, A Boumezbeur, L Benaabidate (2017). *Hydrochemical characterization of surface water in the Babar watershed (Algeria) using environmetric techniques and time series analysis*. *International Journal of River Basin Management* **15** (3), 361-372. <http://dx.doi.org/10.1080/15715124.2017.1299157>.
- Aouissi, H. A., Ababsa, M., & **Gaagai, A.** (2021). *Review of a controversial treatment method in the fight against COVID-19 with the example of Algeria*. *Bulletin of the National Research Centre*, **45**(1), 1-7. <https://doi.org/10.1186/s42269-021-00550-w>.
- Gaagai A**, Aouissi H.A Maalem S, Ababsa M. (2020). *Impact of Climate Change and Anthropogenic Activity on the Water Quality of Babar Dam in Algeria*. *Glob J Eng Sci*. **6**(4): 2020. <https://doi.org/10.33552/GJES.2020.06.000643>.
- M. Ababsa, H.A. Aouissi, O.H. Pacha, **A. Gaagai**, (2021). *Economic analysis of the educational investment return and its reality in Algeria*. *International Journal of Human Settlements*, **5** (1), p: 29-39.
- A Gaagai** (2018). *Study of the evolution of the water quality of the Babar dam (South-East of Algeria) and the impact of the rupture of the dike on the environment*. PhD thesis. University of Batna 2. DOI: 10.13140/RG.2.2.22413.97765.
- A Gaagai** (2009). *Hydrological and Hydrochemical study of the catchment area of the BABAR dam on Oued el ARAB eastern region of Algeria*. Memoired by Magistère- University of Batna 2.

Conferences, Communication And Seminars

- Gaagai A**, Aouissi HA, Chaib W, Maalam SE, Ababsa M, Ghodbane M, AthamenaA. *Impact of climat change and anthropic activity on the water quality of Babar Damin Algeria*. 2ème séminaire national sur les sciences d'interfaces Chimie – Biologie (2ème SNSI C-B). 20 Février 2021.
- Gaagai A**, Aouissi H A, CHAIB W, ABABSA M, ATHAMENAA (2021) : *The effect of the discharge of waste water from the city on the physico-chemical water quality in the dam of khenchela*, East Algeria. (séminaire international sur les sciences de la matière (physique et chimie) en ligne).
- HA Aouissi, **A Gaagai** 2021 *eumelanin-based coloration and health status of freeliving pigeons in mediterranean urban environments*. (hagia sophia 3. international conference on multidisciplinary scientific studies September 15-16, 2021/ istanbul).
- A Gaagai**, Ali Athamna, Hani Amir Aouissi , Warda Chaib, Salah Eddine Maalam, Abderrahmane Boudoukha (2021) *contribution des methodes d'analyse statistique a l'evaluation de la qualite physico-chimique du barrage*. Colloque Maghrébin sur l'Eau et l'Environnement dans les Zones Arides et Semi-Arides. CMEEZASA'2021 (22-23 Mars 2021)
- A Gaagai**, Hani Amir Aouissi, Ali Athamna, Warda Chaib, Salah Eddine Maalam , Mostafa Ababsa 2021. *Impact du changement climatique et de l'activité anthropique sur la qualité de l'eau du barrage de Babar en Algérie*. Colloque Maghrébin sur l'Eau et l'Environnement dans les Zones Arides et Semi-Arides CMEEZASA'2021 (22-23 Mars 2021)
- Aouissi HA, Ababsa M, **Gaagai A**. *The influence of climatic and demographic factors on Covid-19 in Algeria*. The first international seminar: Impact of Covid 19 on the environment 30 & 31 December 2020.
- Aouissi HA, Ababsa M, **Gaagai A**, Bencedira S. *écologie des espèces aviaires à Annaba (Nord-Est Algérien)*. 1er séminaire national en ligne sur les zones humides en Algérie organisé à Tlemcen, le 02 Février 2021.
- Gaagai A**, Aouissi HA, Chaib W, Maalam SE, Ababsa M, Ghodbane M, AthamenaA. *Amira Diversité avienne et cartographie* nal Seminar on Biodiversity, Valorization .2021.

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
French	C1	C1	C1		C1
English	B1	B1	B1	B1	B1

Expertise & Reviewing

- Reviewer in :
 - Bulletin of the national research Centre (SPRINGER)*. Beni-Suef University Journal of Basic and Applied Sciences (SPRINGER)*. Modern Chemistry & Applications*.

Projects & Memberships

Member in national project:
*FNR project in the CRSTRA: Flood risk in the area of Biskra: study, cartography and mitigation

Teaching Experience

-Hydrodynamic (3rd year students), Rock mechanics (master 1), Unconventional waters (Master 2), Hydrology (3rd year students), Statistical (master 2), Groundwater mobilization techniques (Master 2), Elasticity Plasticity (master 2), Project management (master 2).

Supervision

-Aggoune sabir and Boughegal Toufik (2019). Contribution to the geotechnical study of the foundations of the Yabous -Khenchela- dam. Master 2. Master II Engineering Geology and Geotechnics. Batna 2 university.
- Lounis Latifa and Geuboudj Dounia (2021). Quality and vulnerability of groundwater in the Mio Pliocene aquifer case of the Lioua region (Biskra, South-East Algeria). Master 2. Hydrogeology Batna 2 university.
- Tamma Tahar and Deheb tarek (2021). Contribution to the hydrogeological study of the Mio-Pliocene aquifer: case of the region of El Outaya (Biskra, South-East Algeria). Master 2. Hydrogeology Batna 2 university.

Communication skills

-Adaptation to multicultural environments (acquired in the fields of sport and research).
- Very good communication skills.

Organisational / managerial skills

-Teamwork.
- Rigor and methodical spirit (acquired during studies).

Computer skills

-Excellent knowledge of "Office" software: (Word, Excel, Powerpoint...).
-Notions of Photoshop, ArcGis, Global Mapper, MapInfo, Gimp and Illustrator.
-Statistical Softwares (Statistica, Minitab, Xlstat...).

Driving licence

Category B