



04-03-13

Does your university, as an institution, notify and support the local or regional government in early warning and monitoring regarding local climate-related disasters/risks?

Yes, through research outputs, graduation theses, PhD dissertations, and conference summaries and presentations organized by the university.

- A study by Khaldia Si Tayeb, Belgacem Houha, Miyada Ouanes, Valles Vincent, Abdelghani Elhoussaoui, Maurizio Barbieri & Tiziano Boschetti on: Identification of the hydrogeochemical processes and assessment of groundwater quality using Water Quality Index (WQI) in semi-arid area F'kirina plain eastern Algeria
- A study by Tellil, B., Sedrati, A., Houha, B., Ouanes, M., Bouchema, N., Kacha, N., ... & Diaconu, D. C. D on Assessment of groundwater quality in the Sabkhat Elmahmel basin, Khenchela (Northeast Algeria) using the Groundwater Pollution Index (GPI) and the Nitrate Pollution Index (NPI)
- A study by Hiba, M., Naouel, D., Belgacem, H., Cherifa, B., Younes, H., Rim, M., ... & Tarek, D on : Assessment of groundwater vulnerability in a semi-arid basin: a comparative study of DRASTIC and SI methods (case study of Boulefreis Wadi watershed—northeast Algeria)
- A study by Dali, N., Ziouch, O. R., Dali, H., Daifallah, T., Cherifa, B., & Sara, H. on: Remote sensing, and (GIS) approach, for morphometric assessment and sub-watershed prioritization according to soil erosion and groundwater potential in an endorheic semi-arid area of Algeria

Research Projects (PRFU)

- **Studies on Climate Change and Its Impacts:**

These studies focus on understanding climate change and its various effects on the environment and society. They include data analysis and climate modeling, providing assessments of potential impacts on agriculture, water resources, and public health. They also address changes in ecosystems and how living organisms adapt to them.

- **Research on Emission Reduction:**

These studies aim to explore strategies and technologies for reducing greenhouse gas emissions. Projects include analyzing emission sources within the university and the broader community, and providing recommendations to improve energy efficiency and promote the use of renewable energy sources.

- **Climate Adaptation Projects:**

These projects involve developing strategies to adapt to the effects of climate change, focusing on enhancing adaptive capacity within local communities. This includes improving water resource management, developing sustainable agriculture, and strengthening preparedness for natural disasters.

