Hadjer Smati
Curriculum Vitae

Ph.D. Student

Humboldt-Universität zu Berlin (HU)
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&

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Education

European Institute for Marine Studies (IUEM) / Agro Rennes-Angers Institute, France   2021_2023

Master's degree in applied economics for the Sea, Environment and Agriculture, achieved with honors degree.

National High School for Marine Sciences and Coastal Development, Algeria   2015_2020

- Undergraduate cycle: two years of integrated preparatory classes in Marine Sciences.

- Entrance examination for engineering institutes (Marine physics, Cartography, Biochemistry, Genetics, Water chemistry, English).

- Graduate cycle: three years of dual degree program in Marine Sciences Engineering and master's in marine and continental hydrobiology with specialization in marine biotechnology, achieving outstanding academic performance with excellent.

High school, Algeria   2014_2015

I have earned baccalaureate degree in Experimental Biology with honors.

Research Experience

Research Internship, Wageningen University, The Netherlands   March_August 2023

Reducing the environmental impacts of the North Sea ground fish fisheries using Alaska's management strategy as example. Poster presented at the ICES Annual Science Conference 2023 in Bilbao, Spain on September 12, 2023.

Two scenarios:

- Scenario (1): Exploring harvest levels.

- Scenario (2): Setting maximum ecosystem catch limits and quotas reallocation from Gini Index analysis.

Time in laboratory, UMR AMURE Brest, France   January_ February 2022

Summary of issues under negotiations for the finalisation of the treaty (BBNJ): producing and presenting a synthesis about series of Intergovernmental Conferences (IGCs) has been organised by the UN General Assembly to develop a binding legal instrument for the sustainable use and management of biodiversity in national jurisdictions.

Master's and Engineering Internship, Algeria   February_December2020

- Establishment of marine biotechnology database of 84 species to guide individuals and organizations interested in harnessing the potential of macro-algae.

- Research focuses on the valorization of macroalgae to produce phycocolloids and compounds with global interest (human food, animal food, pharmacology, cosmetics, biodiesel, monitoring).

Industrial Water and Effluent Quality Controller Intern, Candia Milk Algeria   *May_July 2019*

The tasks carried out in this internship are about physicochemical and microbiological research conducted on process water.

- Microbiological analysis to quantify aerobic bacteria in water to ensure the quality of water used in milk production.
- Physicochemical analysis involving the measurement of minerals, pH, salinity, and other parameters.
- Analysis of effluents: estimation of oxidizable materials in water, regardless of their organic or mineral origin, using Biochemical Oxygen Demand (BOD).
- Assessment of carbon dioxide (CO_2) levels and its impact on the organoleptic properties and physicochemical balance of water.
- Evaluation of turbidity, which measures the cloudiness of water caused by non-dissolved materials like suspended matter and colloidal materials.

Field-based internship in the central-western coastal region of Algeria   *May_June 2018*

The programme dealt with ecophysiology, taxonomy, and ecology in addition to the marine aspects.

- Numerous field and sea trips were proposed (north-western side of the Algerian coastline).
- Identification of species (fauna and flora).

Research skills

Quantitative Research / Interdisciplinary Collaboration / Adaptability and Flexibility/ Project management.

Laboratory experiments

Taxonomy and identification of marine species.

Computer skills and programming

- Proficiency in a variety of essential office tools, including Excel, Word, and PowerPoint.

- Solid foundation in statistical analysis and data processing, with a particular focus on R programming.

- Skilled in Geographic Information Systems (GIS) and mapping using QGIS.

Languages

Arabic: Mother tongue   **French:** Bilingual   **English:** Proficient user

Conference attendance and scholarships

2024-2027	Selected for a Doctoral Scholarship from the Jameel Scholarship Fund at Humboldt-Universität zu Berlin to finance my Ph.D. project.
2022-2023	Six-month internship at Wageningen Economic Research (Netherlands) funded by the IsBlue scholarship. Received scholarship from the French Ministry of Agriculture during Master's in France. Study trip to Brussels (Belgium), attending conferences with support from the Agro-Rennes-Angers Institute.

Academic Referees available under request