14.5.2 Monitoring the Health of Aquatic Ecosystems

2024/2025

The TouMaLi Research Project is a comprehensive, Multi-Year Initiative Scheduled to run from 2021 to 2025.

Reducing marine litter in North Africa—specifically in countries like Algeria, Egypt, Morocco, and Tunisia—is essential for protecting the region's rich marine ecosystems. The strategy involves implementing sustainable waste management practices, promoting recycling, and encouraging reuse to minimize environmental impact. Key actions include coastal monitoring to track pollution levels, conducting comprehensive pollution assessments, and reviewing existing waste management systems to identify areas for improvement. It also involves implementing legal and technical solutions through close collaboration with local stakeholders, as well as capacity-building programs and public awareness campaigns on marine conservation. In August 2021, the TouMaLi project was launched by the University of Rostock, the Leibniz Institute for Baltic Sea Research Warnemünde (IOW), the Arab Academy for Science, Technology, and Maritime Transport (AASTMT), and other partners. This project aims to combat marine litter caused by tourism in Egypt, Morocco, Tunisia, and Algeria. Local partners include AASTMT and various Egyptian ministries, with funding of approximately 4.2 million euros from Germany's BMU, supported by ZUG gGmbH. Ultimately, this initiative is dedicated to advancing Sustainable Development Goal 14—life below water—by addressing the pressing issue of marine litter, especially plastics, to preserve ocean health for future generations.



Link 1: TouMaLi research project (2021-2025)
Link 2: TouMaLi research project (2021-2025)
Link 3: TouMaLi research project (2021-2025)
Link 4: TouMaLi research project (2021-2025)
https://toumali.org/en/partners
https://toumali.org/sites/toumali.org/files/documents/toumali_factsheet_eng.pdf
https://toumali.org/en

AASTMT College of Fisheries and Aquaculture Technology Signs Cooperation Agreement with MADE II to Enhance Practical Aquaculture Training (2023 – 2028)

The College of Fisheries and Aquaculture Technology (CFAT) at the Arab Academy for Science, Technology and Maritime Transport (AASTMT) signed a cooperation agreement on Sunday, June 4, 2023, with the Marine Aquaculture Development Project in Egypt (MADE II), affiliated with the Ministry of Agriculture and Land Reclamation.

The agreement aims to strengthen cooperation and exchange expertise between the two institutions, while providing CFAT students enrolled in the Aquaculture Technology program with access to the project's technical facilities for hands-on training in marine fish hatchery operations and aquaculture practices.

The agreement was signed by the Dean of CFAT and Dr. Mohamed El-Araby, Director of MADE II. This collaboration represents an important step toward bridging the gap between academic education and practical industry experience, enabling students to develop the technical skills required for careers in marine aquaculture.

Through this partnership, AASTMT and MADE II seek to support the development of qualified professionals in the aquaculture sector and promote sustainable marine fish production. The initiative also advances practical education, strengthens institutional collaboration, and supports the sustainable use of aquatic resources, in line with Sustainable Development Goal 14: Life Below Water**.**



Life Below Water-Alexandria | AASTMT

Students of the College of Fisheries and Aquaculture Technology completed the training program "Common Fish Diseases, Good Fish Farm Management and Water Quality Analysis"

Students of the Faculty of Fisheries and Aquaculture Technology completed the training program "Common Fish Diseases, Good Fish Farm Management and Water Quality Analysis", which was held over two days, August 5–6, 2024, at the Marine Aquaculture Development Project in Egypt MADE II (Kilo 21 Hatchery). This training falls under the cooperation agreement between the college and the Marine Aquaculture Development Project in Egypt.






College of Fisheries and Aquaculture Technology-Alexandria | AASTMT

AASTMT Research Catalogs for 2024 and 2025

AASTMT's faculty, students, and researchers continue to excel in research across all scientific disciplines that promote sustainability and the UN SDGs, as well as pure science that deepens understanding of the marine environment and its requirements.



pdf | AASTMT
AASTMT Research Catalogs for 2024 and 2025 pdf
AASTMT Research Catalogs for 2024 and 2025