

Muhammad Amer El-Fergany

Riyadh- Saudi Arabia

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Egyptian

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Objective

I have more than five years' experience in the field of environmental impact assessment studies in Egypt and Saudi Arabia. I have provided environmental consulting and supervision for many projects in construction, marine, mining, and industry. I have knowledge of local standards, such as RC for Jubail and Yanbu, NCEC, NCCV, NCW, NCWM, and international environmental standards. I would like an effective position in the company that will help me build a path to a successful career. Applying for various challenges matches my skills and character.

Education

- **Jan-2025:** Master's degree in Marine Ecology.

Subject of thesis: Impact of environmental conditions on Biodiversity of benthic invertebrates inhabiting Mediterranean Sea Coast of Alexandria, Egypt.

- **2017:** B.Sc. of Science. Al-Azhar University, Cairo.
Department of Zoology, Marine Biology and Ichthyology (**Very Good**).

Experience

Environmental Specialist at Euro Group Engineering Consultancy (EGEC) (6/2024 – Present) in Riyadh- Saudi Arabia.

- Preparing environmental impact assessment studies for third category projects.
- Construction Environmental & Social Management Plan (CESMP) and Waste Management Plan.
- Marine water quality monitoring, sediment quality monitoring, and Ecological surveys (marine).
- Identify the client requirement for biodiversity and ensure its compliance.
- Environmental consulting and environmental supervision for many projects.
- Liaising with national environmental regulatory bodies and competent authorities to secure required environmental permits.
- I contributed to the Project Management Office (PMO) in preparing policies and procedures, work aids, KPIs, workflows, and checklists for National

Center for Vegetation Cover Development & Combating Desertification projects.

**Environmental Specialist at Environment Friend Bureau(EFB)
(2/2022 - 5/2024) in Jeddah - Saudi Arabia.**

- Preparation of environmental impact assessment studies, environmental audit studies, environmental book logs, ecological surveys, water quality monitoring, sediment quality monitoring, air quality monitoring, monitoring noise and vibration, and an environmental management plan (EMP).
- Environmental rehabilitation plan for degraded sites and treatment of polluted sites and waste management plan.
- Management and coordination with experts and clients.

**Sub-Lieutenant- Marine Environment Scientist at Egyptian Navy
Hydrographic Department (ENHD) (3/2019 - 10/2021) in Alexandria -
Egypt.**

- preparation of environmental studies, metrological studies, Marine Ecological Survey, and Weather forecasts for all Egyptian military bases and many Marine ports and private companies such as **SUMED, LNG, EZZSTEEL, MIDTAP, Jeddah Islamic Port,** and **Haql Zahar.**
- Analyzing and recording data from global weather stations, satellites, and radars.
- Making interpretations from the land, sea, and atmosphere patterns.

Top skills

- Environmental Impact Assessment.
- Hazard identifications and waste management plan.
- Kingdom Saudi Arabia's environmental regulations and permits procedures.
- Tracks environmental compliance with approved plans, laws/regulations, permits, and contract requirements.
- knowledge of ISO 14001 implementation and requirements.
- knowledge of Environmental and Social Standards (ESS) and GRI Standard.
- Knowledge of environmental requirements for NCEC, NCWM, NCW, NCVC, and Neom Standards.
- Knowledge of international conventions.
- Technical report writing in Arabic and English.
- Ecological survey of Marine (fauna and flora)
- Diving and marine survey.
- Data Analysis.
- Collections and Analysis for Water and Sediment.
- Biodiversity Assessment.
- Collecting, identifying, and examining marine fauna, flora, phytoplankton, and zooplankton.
- Weather forecasts.
- Marine modeling, remote sensing, and GIS.

- Saudi driving license.

Publications:

El-Fergany, M. A., Bashar M. A., El-Tabakh M. A., Hassan A. M. (2023). **Effect of Environmental Conditions on Biodiversity of Benthic Fauna Inhabiting El-Max Bay, Mediterranean Sea, Alexandria, Egypt.** Egyptian Journal of Aquatic Biology & Fisheries, 27(5), 781 – 801. DOI: [10.21608/EJABF.2023.322908](https://doi.org/10.21608/EJABF.2023.322908)

Language:

- Native Language: Arabic.
- Excellent at Written, Listening, Reading, and Spoken English .

Licenses and Certifications:

- **PADI** open water diver license No. 2206UJ6942 (Jun-**2022**).

Computer Skills:

Microsoft Office

Excellent User of Microsoft Office (Word, PowerPoint, Excel, and Net).

Wind Rose

Metrological data analysis (Wind direction and Wind speed).

Minitab

Poisson regression, ANOVA Test, Analysis of Means (ANOM), Distribution Analysis (Arbitrary censoring) & Distribution ID Plot, Time Series & Time Series Plot & Trend Analysis, and Cluster Observations & Cluster Variables.

PAST (PAleontological STatistics)

Bray Curtis Similarity Index, calculate a Diversity Index, Draw Bar Graph, Correlation Matrix Plot, Draw a Bi-Histogram, Canonical Correspondence Analysis (CCA), Draw a Box Plot, Calculate Redundancy analysis (RDA), Draw a Mean with Whisker Plot and Principal Component Analysis (PCA).

QGIS

Exporting a Map, Georeferencing, Digitizing map features, Geospatial analysis, Downloading Maps, File Format Types Vector and Raster Data, Geospatial data, Creating, editing manage and exporting data.

ENVI

Data Exploration, Image Registration, Geometric Preprocessing, Radiometric Preprocessing, Image Transformation, Image Classification, Change Detection, and Terrain Analysis.

Delft 3D

- Built and calibrated Delft3D-FLOW and Delft3D-WAVE models for estuarine and coastal environments to assess tidal currents, wave dynamics, and sediment transport.
- Contributed to environmental impact assessments (EIAs) and coastal planning studies using Delft3D simulations as supporting evidence.
- Conducted field data integration and quality checks for bathymetry, salinity, temperature, and wind forcing data inputs.
- Applied basic numerical methods and physical oceanography principles to understand and interpret model behavior and limitations.

Training and Working Fields

Certificate for successfully completing **Introduction to Delft 3D Modeling, organised by Institute for water Education (IHE DELFT)**, held online on 03/04/2025

Certificate for successfully completing **The Red List of Ecosystems for Assessors - Specialised Course, organised by IUCN Academy and RED LIST OF ECOSYSTEMS**, held online on 12/01/2024

Certificate for successfully completing **Integrated Management System Internal Auditing: Process Risk & Performance Based Approach (ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018)**, organised by The QHSE Group, held online on 16/09/2023.

Certificate for successfully completing **ISO 14001:2015 Environmental Management System Awareness**, organised by The Knights of safety, held online on 26/08/2023.

Certificate for successfully completing **The COSHH Risk Assessor Certification, organised by The Knights of safety**, held online on 26/08/2023.

Certificate for successfully completing **Personal Protective Equipment (PPE)**, organised by The Knights of safety, held online on 23/08/2023.

Certificate of attended the workshop **Marine and Coastal Environment Administration Implementing Regulations**, organised by ADECO Group, held online on 06/07/2023.

Certificate of attended the workshop **Implementing Regulation for Preventing and treating soil pollution**, organised by ADECO Group, held online on 25/07/2023.

Certificate of attended the workshop **Implementing Regulation for the Protection of Aquatic Communities Against Pollution**, organised by ADECO Group, held online on 28/06/2023.

Certificate of attended the workshop **Marine Data for Africa**, organised by Copernicus, the Copernicus Marine Service and Mercator Ocean International, held online on 10,11 May 2023.

Certificate of attended the workshop **Assessing Ecosystem Health Copernicus Marine**, organised by Copernicus, the Copernicus Marine Service, Mercator Ocean International and Gopacom. held online 7 and 8 September, 2023.

Certificate of completed the MIKE Powered by DHI training course **MIKE 21 Flow Model FM – Getting started with 2D hydrodynamic modelling using the following software applications: MIKE 21 Mooring Analysis (MA)**, held online on 28/04/2023.

Certificate of completed the MIKE Powered by DHI training course **FEFLOW - Advanced modelling of complex geologies using the following software applications: FEFLOW**, held online on 28/04/2023.

Certificate of completed the MIKE Powered by DHI training course **FEFLOW – Getting started with geothermal modelling: Open-loop systems using the following software applications: FEFLOW**, held online on 26/06/2023.

Certificate of completed the MIKE Powered by DHI training course **FEFLOW – Getting started with groundwater modelling using the following software applications: FEFLOW**, held online on 29/06/2023.

Certificate of completed the MIKE Powered by DHI training course **FEFLOW – Getting started with geothermal modelling: Closed-loop systems using the following software applications: FEFLOW**, held online on 29/06/2023.

Certificate Of" Environment impact assessment of projects 6 August 2020 in cooperation with Al Zahra association cooperation environmental Development, Iraq.

Certificate Of" Chemical safety and security of facilities 11 August 2020 in cooperation with Kuwait water association and social security cooperation, Jordan

Certificate Of" High-Performance Liquid Chromatography (HPLC) – Methods, Benefits, and Applications at Nawa Scientific from 20 July to 27 July 2020.

Certificate Of" Work in preparation of environmental and metrological studies from 1 10 2018 to 10 2020 from Marine Survey Division, Navy forces.

Certificate Of" Wind farm and its effects on bird migration in Egypt" 26 September 2020 from the Sense Environmental Consulting Office.

Certificate of "Geological and Geophysical Analysis of the Coastal Sediment held at Abu Qir research station, coastal research institute 6 - 10 January 2019

Certificate Of "Environmental awareness for Blue Hole in Abu Jallum Reserve, South Sinai Reserves from 1 /4/ 2018 to 5/ 4 /2018.

References

Dr. Abd El kader Mohammed Hassan

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Dr: Ibrahim Metwally Gomaa

Assistant Professor of Environment and Waste Management at Environment Friend Bureau

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