

KAREEM M. SOLIMAN
Associate Professor
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Dedicated Associate Professor with extensive experience in sustainability, environmental science, and project management, have a proven track record in academia, consulting, and training. My dedication to continuous learning is evidenced by numerous certifications and training programs from prestigious institutions. In my consulting roles, I have been instrumental in significant projects and have held key management positions that highlight my leadership and strategic skills. With a strong foundation in both theoretical and practical aspects of sustainability and environmental management, I am committed to advancing initiatives that promote sustainable development and environmental stewardship. My diverse background and multifaceted skill set enable me to contribute effectively to any organization focused on sustainability and innovation.

Education

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| ❖ M.B.S for entrepreneurs, American University in Cairo (AUC) | 2019 |
| ❖ Ph.D. In Environmental science and Toxicology, Faculty of Science, Ain Shams University, Egypt. | 2016 |
| ❖ M.Sc. In Environmental science and taxonomy, Faculty of Science., Ain Shams University, Egypt. | 2010 |
| ❖ B.Sc. In Science: Zoology Department. Faculty of Science., Ain Shams University, Egypt. | 2003 |

Working Experience

❖ TRAINING

- **Freelancer Trainer at National Training Academy** **2021- present**
 - Sustainability development application and management
 - Project management
 - Strategic management

{Presidential programs, public sector programs, private sector programs}

❖ CONSULTING

- **The Sustainability Committee** at Ain Shams University **2022-2023**
 - Founding team of The Center of Excellence for Sustainability
- **Environmental science and Climate change experts Committee** at Ain Shams University **2022-2023**
- **“Rehabilitation of Bleached Coral Reefs in Red Sea” project.** **2023-2024**
- **Environmental Impact Assessment project-** Armant Sugar factories– the center for Consultation and Scientific Studies for Natural Reserves. **2020-2021**
- **Assessing pollution levels in Edku Lake project,** Egypt. **2020-2021**
- **Assessing and predicting the shoreline changes** in Marina El Alamein Tourist Resort in the North Coast. **2020-2021**
- Participate in a project **“Protection of Migratory Birds”.** **2019-2020**
- **Environmental Impact Assessment project** for the handling and transporting of waste- for the benefit of Al-Orouba Company. **2019-2020**
- **Environmental Impact Assessment project** for Medical Waste Transportation- for SAFCO Company. **2018**
- **“Biodiversity in Quarries project”,** Heidelberg Materials – Helwan Cement company. **2018**
- **“Biodiversity informatics project”,** DAAD/ Egypt. **2017**

❖ MANAGEMENT

- Responsible for **the Institutional Development process at the Faculty of Environmental Studies.** **2022-2023**
- Coordinator of **the Career Center,** Ain Shams University **2021-2024**
- Coordinator of **Children University Program,** Ain Shams University **2018-2022**
- Director of **Graduate Administration,** Ain Shams University **2020-2022**
- Coordinator of **International Collaboration Office,** Ain Shams University **2020-2022**
- Director of **Science Innovation Unite (IHub),** Ain Shams University **2019-2021**
- Coordinator of **international relations office,** Ain Shams University **2017-2019**
- Coordinator of **international publication rewards,** Ain Shams University. **2017-2022**
- Director of Operations, **UNICO Company** / Cairo, Egypt. **2013-2016**

❖ ACADEMIC

- **Teaching:** more than 20 years of experience in delivering knowledge to diverse subjects to different educational levels **2004-present**
 - **Mentoring**
 - Academic advisor for undergraduate students **2018-present**
 - Supervise & organize scientific trips for undergraduate students **2010-2023**
 - Organize workshops (scientific writing, Innovation, SDGs) **2019-2021**
 - Organizing faculty's scientific conferences **2017-2019**
 - **Research**
 - Expertise in environmental changes and sustainability **More than 10 yrs**
 - Specialist in Ecotoxicology and Risk assessment of environmental hazards **More than 10 yrs**
 - Experience conducting research in Animal Taxonomy using molecular analysis. **More than 4yrs**
 - Extensive experience in Field Surveys of Vertebrate Animals and Biodiversity. **More than 18 yrs**
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Training program and certification

- **Implementation of Core SDG Indicators for Sustainability Reporting by Companies, UNITRA, UNCTAD. 2025**
 - Economic Area
 - Environmental Area
 - Social Area
 - Institutional Area
- **Environmental Management System, ISO 14001/2015, Egyptian Organization for standardization and Quality 2025**
- **Training Mobility specified under ERASMUS+ International Credit Mobility program at USC, Spain. 2024**
 - Environmental Sustainability
- **Sustainability in Business, University of Colorado. 2022**
 - Sustainable transformation
 - Circular economy
- **Executive Presidential Leadership Program, EPLP #2, National Training Academy (NTA). 2019-2020**
 - Leadership & Managerial skills
 - Project management
 - Marketing
 - Supply chain management
 - Human resources management
 - Sustainable development
 - National security

- Crisis Management
- Threats to Human Security (Environment & Health)
- **One health program (Environment- Human- Animal), Duke University, USA. 2019**
 - Environmental Safety & development
 - Natural & Chemical environmental toxins
 - Endemic & Emerging diseases
 - E-waste management
- **Decision Making, Crisis management & National security, Nasser Higher Military Academy, Ministry of Defense. 2017-2018**
- **Training of Trainers “TOT” 2018**
- **Science-based Entrepreneurial Enterprise Development, ERASMUS. 2017**
- **Increase university funding opportunities, TEMPUS. 2017**
- **Biodiversity informatics, DAAD. 2017**
- **Time management and Communication skills, FLDC, Ain Shams University. 2015**
- **Waste Management, The Egyptian Academic Society for Environmental Development, Egypt. 2014**
- **Environmental Impact Assessment, The Egyptian Academic Society for Environmental Development, Egypt. 2014**

Awards

- **Ain Shams University**, for the leadership and managerial achievements at faculty of environmental science. **2023**
- **Banha university**, for the outstanding workshop “Climate change and Egypt vision 2030” **2022**
- **Must university**, for the outstanding workshop “Climate change and health” **2022**
- **Future University in Egypt**, for the outstanding workshop “sustainability concepts”. **2022**
- **The Central Department for Foreign Student Affairs (CDFSA), Ministry of Higher Education**, for the outstanding contribution to the success of the Study in Egypt initiative. **2021**
- The Shield of Excellence from **The Innovation Center (IHub)**, Ain Shams University. **2020**
- **Ain Shams University** for the outstanding efforts in **Children’s University Program**. **2019**
- The Honor Shield of “**Faculty of Science, Ain Shams University**” for special efforts exerted in the environmental field. **2019**
- "**Faculty of Science, Ain Shams University**" for special efforts exerted in the environmental field and receiving a regional award in biodiversity. **2019**
- “**Egyptian Academic Society for Environmental Development (EASED)**” for organizing tenth international conference. **2018**
- "**The Quarry Life Award 2018**" for awarding the scientific research stream prize by the National jury in Egypt. **2018**

- "Faculty of Science, Ain Shams University" for organizing the second international scientific conference. 2018
 - "Zoology Department, Faculty of Science, Ain Shams University" for special efforts exerted in the department. 2015-2016-2017
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Scientific supervision

- Undergraduate Research project (2024): Effect of Bisphenol A on the reproductive organs of adult mice. Zoology Dep., Fac. of Sci., Ain Shams University.
 - Undergraduate Research project (2023): Navigating Climate Change: Causes and Impact on Ecosystem and Human. Zoology Dep., Fac. of Sci., Ain Shams University.
 - Undergraduate Research project (2021): Sustainable Development Goals & Livestock. Zoology Dep., Fac. of Sci., Ain Shams University.
 - Master's Degree "MSc" (2019): Ecological and Biomonitoring studies on some snake species inhabiting agricultural areas of the Nile Delta of Egypt. Zoology Dep., Fac. of Sci., Ain Shams University.
 - Undergraduate Research project (2018): Histological Effects of the male antifertility agent "Alpha-Chlorohydrin (ACH)" on the testis of Albino rat; *Rattus Norvegicus*. Zoology Dep., Fac. of Sci., Ain Shams University.
 - Undergraduate Research project (2017): Biological monitoring of heavy metal contaminations using Cattle Egret (*Bubulcus ibis*). Zoology Dep., Fac. of Sci., Ain Shams University.
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Publications

Book Chapter:

1. **Emam, W.M., Soliman, K.M.& Emam, W.W.M. (2025).** Climate-Resilient Aquatic Ecosystems: A Roadmap for Sustainable Development. In: Khalil, M.T., Emam, W.W.M., Negm, A. (eds) Climate Changes Impacts on Aquatic Environment. Earth and Environmental Sciences Library. Springer, Cham. https://doi.org/10.1007/978-3-031-74897-4_12
2. **Emam, W.W.M., Soliman, K.M. (2025).** Are Marine Protected Areas Capable of Boosting Climate Change Resilience?. In: Khalil, M.T., Emam, W.W.M., Negm, A. (eds.), Climate Changes Impacts on Aquatic Environment. Earth and Environmental Sciences Library. Springer, Cham. https://doi.org/10.1007/978-3-031-74897-4_9
3. **Emam WWM, Soliman KM (2024).** "Integrating geospatial approach with citizen science to combat marine plastic pollution" (Chapter 13). In: Pal SC., Roy S., Saha A., Abioui M. (eds) Water Resources Monitoring, Management and Sustainability. Elsevier. <https://doi.org/10.1016/B978-0-443-23665-5.00013-2>.

4. **Soliman K.M., Emam W.W.M. (2022)** Bats & Ecosystem management. In: Bats-Disease-Prone but Beneficial. Intech Open. DOI:10.5772/intechopen.101600
5. **Emam W.W.M., Soliman K.M. (2020)** Quantitative Analysis of Shoreline Dynamics Along the Mediterranean Coastal Strip of Egypt. Case Study: Marina El-Alamein Resort. In: Elbeih S., Negm A., Kostianoy A. (eds) Environmental Remote Sensing in Egypt. Springer Geophysics. Springer, Cham. https://doi.org/10.1007/978-3-030-39593-3_18

Articles:

1. **Magdy T. Khalil; Mohamed R. Fishar; Wiame W. M. Emam; Kareem M. Soliman; Marwa M. El-Naggar (2022)** Impact of Climate Change on Aquatic Biodiversity of Egypt (A Concise Review). Egyptian Journal of Aquatic Biology & Fisheries, Vol. 26(3): 183 – 212.
2. **Amany A. Abd El-Aziz, Hala G. El-Tantawi, Sohail Soliman and Kareem M. Soliman (2022)** The reproductive cycle of the flowered racer (*Platyceps florulentus*) from a rural area to the east of the Nile Delta, Egypt. Egyptian Journal of Aquatic Biology & Fisheries, Vol. 26(4): 755 – 771.
3. **Emam W.W.M, Soliman K.M. (2021)** Geospatial analysis, source identification, contamination status, ecological and health risk assessment of heavy metals in agricultural soils from Qallin city, Egypt. Stochastic Environmental Research and Risk Assessment. Stoch Environ Res Risk Assess. <https://doi.org/10.1007/s00477-021-02097-8>.
4. **Soliman K.M., Ahmed H.A.A., Rashad H.M., Shohdi W.M., Issa M.A. (2021)** Breeding Ecology of the Graceful Prinia (*Prinia gracilis*) at Akiad Pond, Sharkia Governorate, Egypt. Egyptian Journal of Aquatic Biology & Fisheries, Vol. 25(3): 411 – 420.
5. **Emam W.W.M., El-Kafrawy S.B., Soliman K.M. (2021)** Integrated geospatial analysis linking metal contamination among three different compartments of Lake Edku ecosystem in Egypt to human health effects. Environ Sci Pollut Res. 28:20140–20156.
6. **Emam W.W.M., Soliman K.M. (2020)** Applying geospatial technology in quantifying spatiotemporal shoreline dynamics along Marina El-Alamein Resort, Egypt. Environ Monit Assess 192, 459.
7. **Soliman K.M., Mohallal E.M.E., Alqahtani A.R.M. (2020)** Little egret (*Egretta garzetta*) as a bioindicator of heavy metal contamination from three different localities in Egypt. Environ Sci Pollut Res 27, 23015–23025.
8. **Emam W.W.M., Khalil M.T., Nassif M.G., Soliman K.M. (2019)** Applying Geospatial Technology in Assessing the Coastal Vulnerability of Zaranik Protectorate to Sea-Level Rise. Egyptian Journal of Aquatic Biology & Fisheries, Vol. 23(4): 697 – 719.

9. **Mansour S.A., Soliman S.S., Soliman K.M. (2017)** Biomonitoring of persistent organic pollutants in Egypt using *Taphozous perforatus* (Chiroptera: Emballonuridae). *Lynx, new series*, 48(1), 109-124.
10. **Mansour S.A., Soliman S.S., Soliman K.M. (2016)** Monitoring of heavy metals in the environment using bats as bioindicators: The first study in Egypt. *Vespertilio*, 18, 61– 78.
11. **Soliman S.S., Mansour S.A., Soliman K.M. (2015)** Population studies on two sympatric bat species: *Taphozous perforatus* and *Rhinopoma hardwickii* (Chiroptera: Microchiroptera) from Egypt. *Egypt. J. Zoo.*, 64(64), 13 – 32.