

# Curriculum Vitae

## Professional Summary

Dr. Mohamed Abdel Monem is an international expert with 35+ years of experience in climate change, natural resource management, and ecosystem sustainability. He develops and implements climate adaptation strategies, promotes sustainable land management, and leads ecosystem restoration initiatives. His research focuses on climate-smart agriculture, water management, and biodiversity conservation in the Near East, North Africa, and Mediterranean. He is a member of the Mediterranean Experts on Climate and Environmental Change (MedECC) steering committee under the Union for the Mediterranean (UfM). His work includes novel research and publications on these topics.

## Areas of Expertise

- Climate change vulnerability assessment, smart solutions and finance.
- Sustainable agriculture and food systems.
- Natural resource management and ecosystem restoration.
- Capacity building and advisory services.
- Policy integration and governance.

## Professional Experience

- **January 2025 to now:** Member of the Steering Committee of the Mediterranean Experts on Climate and Environmental Change (MedECC).
- **June 2023 to Now: Senior Advisor for climate change and rural development (International consultant)** contributing to sustainable development in the agrifood system and nexus between Water, Energy, food and Ecosystem in the Mediterranean region.
- **August 2016 to June 2023: Senior Advisor of climate change and land management (International Consultant) at the Regional Office for the Near East and North Africa of the FAO, Cairo, Egypt.** Provides technical support for climate change adaptation and sustainable agriculture programs/projects, including funding proposals and regional strategy development. Focuses on climate-smart agriculture, ecosystem restoration, digital agriculture, and knowledge sharing, contributing to key UN initiatives. Authored major FAO publications on climate change and climate-smart agriculture in the region.
- **July 2014 to July 2016: Advisor to the Minister of Environment in Egypt: Ministry of Environment, Cairo, Egypt.** Supported African environmental leadership (AMCEN, CAHOSCC) and contributed to key initiatives like the African Renewable Energy and Adaptation Initiatives. Engaged with partners (NEPAD, AfDB, UNEP, IRENA) and participated in COP-21. Managed a NEPAD-funded capacity development project.
- **June 2003 to June 2014: Natural Resources Program Officer. Regional Office for Africa (ROA) of the United Nations Environment Program (UNEP) now known as UN**

**Environment, Nairobi, Kenya.** Coordinate UNEP's Ecosystem Management Program in Africa (2009-2014), facilitating program implementation and capacity building for ecosystem management integration. Promoted ecosystem-based adaptation, transboundary resource management, and climate change resilience projects. Supported environmental assessments, post-disaster recovery, and sustainable land use/desertification control programs. Coordinated Africa-China cooperation and provided support to AMCEN and AMCOW. Worked to integrate ecosystem resources management with poverty eradication efforts.

- **Jan 2001 to June 2003: Assistant FAO Representative in Egypt, Food and Agriculture Organization of the United Nations (FAO). FAO Representation in Egypt.** Managed FAO representation office and field projects, covering all aspects from program development and funding to implementation, monitoring, and evaluation. Liaised with government and local entities on sustainable resource use and contributed to project proposal development. Oversaw project staffing, procurement, and contractual arrangements.
- **March 1994 to January 2001: Natural Resources Management Specialist. International Centre for Agricultural Research in the Dry Areas (ICARDA) one of the CGIAR centers.** Provided technical support to the countries of North Africa and West Asia in the areas of land and water management engaging with regional stakeholders (national institutes, NGOs, UN organizations, and developing partners). Developed research programs and conducted assessments of land and water management impacts on agriculture. Published scientific papers and technical reports on related topics.
- **October 1986 to July 1990: Soil Scientist University of Nebraska working with USAID project (MIAC) in Settlat, Morocco.** Developed, implemented, and monitored a natural resource management research program at Morocco's Center for Research in Arid and Semi-Arid Regions, focusing on sustainable land and water use. Managed soil and water laboratories and established sustainable land management systems for farmers. Contributed to a regional network on sustainable land and water use in North Africa and West Asia.
- **Engagement with the EU entities in Mediterranean related programs.** Currently a member of the Steering Committee for the Mediterranean Experts on Climate and Environmental Change (MedECC), developing climate change reports for the Mediterranean region. Also serves as a Senior Expert on Climate Change, Environment, and Water for the Union for the Mediterranean (UfM). Served as a member of the PRIMA technical evaluation committee, assessing and selecting projects for funding.

## **Selected Publications**

- Lewis, P., **Abdel Monem, M.** and Impiglia, A. 2018. Impacts of climate change on farming systems and livelihoods in the near east and North Africa - With a special focus on small-scale family farming. FAO. <http://www.fao.org/3/ca1439en/CA1439EN.pdf>.
- **Abdel Monem, Mohamed** ; and Phoebe Lewis 2020; Governance and Institutional Structure of Climate Change in Egypt in the E.-S. E. Omran and A.M. Negm (eds.), Climate Change Impacts on Agriculture and Food Security in Egypt, Springer Water, [https://doi.org/10.1007/978-3-030-41629-4\\_3](https://doi.org/10.1007/978-3-030-41629-4_3).

- **Abdel Monem, Mohamed.**; and Ismail A. El Grandeur 2020; Role of Science, Technology and Innovation in Addressing Climate Change Challenges in Egypt in the E.-S. E. Omran and A.M. Negm (eds.), Climate Change Impacts on Agriculture and Food Security in Egypt, Springer Water, [https://doi.org/10.1007/978-3-030-41629-4\\_4](https://doi.org/10.1007/978-3-030-41629-4_4).
- **Abdel Monem, Mohamed** ; and Biljana Radojevic 2020; Agricultural Production in Egypt: Assessing Vulnerability and Enhancing Adaptive Capacity and Resilience to Climate Change in E.-S. E. Omran and A.M. Negm (eds.), Climate Change Impacts on Agriculture and Food Security in Egypt, Springer Water, [https://doi.org/10.1007/978-3-030-41629-4\\_10](https://doi.org/10.1007/978-3-030-41629-4_10).
- Daniel El Chami, Antonio Trabucco, Theresa Wong, **Mohamed Abdel Monem** and Valentina Mereu (2022) Costs and effectiveness of climate change adaptation in agriculture: a systematic review from the NENA region, Climate Policy, 22:4, 445-463, DOI: 10.1080/14693062.2021.1997703. <https://doi.org/10.1080/14693062.2021.1997703>
- Ziadat, F.M., P. Zdruli, S. Christiansen, L. Caon<sup>1</sup>, **M. Abdel Monem** and T. Fetsi (2022). An Overview of Land Degradation and Sustainable Land Management in the Near East and North Africa. Journal of Sustainable Agriculture Research; Vol. 11, No. 1; 2022. <https://ccsenet.org/journal/index.php/sar/article/view/0/46488>.
- **Mohamed Abdel Monem**, Dalia Abulfotuh, Mohamed Al Hamdi, Hichem Charieg, Lionel Dabbadie, Jean-Marc Faurès, Theodora Fetsi, Abdel Hamied Hamid, Jennifer Smolak, Domitille Vallée and Theresa Wong. 2022. The State of Land and Water Resources for Food and Agriculture in the Near East and North Africa region. <https://www.fao.org/3/cc0265en/cc0265en.pdf>.
- Krystal Crumpler, Giulia Gagliardi, Theresa Wong, **Mohamed Abdel Monem**, Sandro Federici, Srijita Dasgupta, Alexandre Meybeck, Olga Buto, Janek Toepper, Mirella Salvatore, Julia Wolf and Martial Bernoux. 2022. Regional analysis of the nationally determined contributions in the Near East and North Africa: Opportunities and gaps in the agriculture, water and land use sectors. <https://www.fao.org/3/cb8662en/cb8662en.pdf>.
- **Abdel Monem, M.**, Wong, T., Elbadawy, O., Faurès, J., Tawfic, M., Abouzeid, F. & Matteoli, F. 2022. Towards climate-smart agriculture in Egypt: Scaling up sustainable practices for enhancing agrifood system resilience and adaptive capacity. <https://www.fao.org/3/cc2917en/cc2917en.pdf>.
- FAO. 2022. Framework for Environmental and Social Management. Rome. **Mohamed Abdel Monem** (contributor) <https://doi.org/10.4060/cb9870en>
- **Abdel Monem, M.** 2024. Transformation to low carbon agrifood value chains in Egypt – Lessons from the Sustainable Agriculture Investments and Livelihoods project. FAO. <https://www.fao.org/documents/card/fr?details=CC9313EN>.
- **Abdel Monem, M.**, El Ghandour, I., & Abdel-Sabour, M. F. (2024). Advancing Groundwater Management and Seawater Intrusion Monitoring in the Middle East and

North Africa: Exploring the Potential of Nuclear Tracer Techniques. In Managed Aquifer Recharge (MAR) in the MENA Countries, Developments, Applications, Challenges, Strategies, and Sustainability (M. El-Rawy & A. Negm, Eds., pp. 29–45). Springer.  
<https://link.springer.com/book/10.1007/978-3-031-58764-1>

- MedECC, 2024: Interlinking climate change with the Water-Energy-Food-Ecosystems (WEFE) nexus in the Mediterranean Basin. [Drobinski, P., Rivera-Ferre, M.G., **Abdel Monem, M.**, Driouech, F., Cramer, W., Guiot, J., Gattacceca, J.C., Marini, K. (eds.)]. MedECC Reports. MedECC Secretariat, Marseille, France, 264 pp., doi: 10.5281/zenodo.13365388, ISBN: 978-2-493662-09-5. <https://www.medecc.org/medecc-reports/climate-wefe-nexus/>
- Drobinski, P., **Abdel Monem, M.**, Rivera Ferre, M.G., Santeramo, F., 2024: Introduction: The Water-Energy-Food-Ecosystems (WEFE) nexus concept in the Mediterranean region. In: Interlinking climate change with the Water-Energy-Food-Ecosystems (WEFE) nexus in the Mediterranean Basin. [Drobinski, P., Rivera Ferre, M.G., Abdel Monem, M., Driouech, F., Cramer, W., Guiot, J., Gattacceca, J.C., Marini, K. (eds.)]. MedECC Reports. MedECC Secretariat, Marseille, France, pp. 37-55, doi: 10.5281/zenodo.13378552.

## Education

**Ph.D. in Agricultural Sciences** – Colorado State University, Fort Collins, Colorado, USA

**M.Sc. in Soil Science** – Ain Shams University, Cairo, Egypt.

**B.Sc. in Agricultural Sciences** – Cairo University, Cairo, Egypt