

SEC's Aquaculture Production Training Program – MENA



SEC's 91st Aquaculture Production Training Program on The Use of ICT Applications in Aquaculture Value Chain

Wednesday, August 6th, 2025

12:45 PM Cairo Time



Wednesday, August 6th, 2025:

01:00 PM – Smart Aquaculture: Enhancing Efficiently Through Information Technology

Prof. Salah Mesalhy

Chairman, LFRPDA, Cairo, Egypt

Prof Salah Mesalhy Aly, BVMS, MVSc, Ph.D. Professor of Fish Pathology at Suez Canal University & One of 2% Best Scientists in the world for 2020, 2021, 2022, 2023 based on Stirling Univ. Standard, USA.

Chairman, Lakes and Fish Resources Protection and Development Agency Board, Egyptian Cabinet.

Chairman, Egyptian Mariculture Project Board, Ministry of Agriculture.

Chairman, Regional Advisory Council of U S Soya Excellence Center.

A member of Board of Trustee to National New Ismailia University. Ministry of Higher Education.

A member of WorldFish Board of Trustee, CGIAR, Washington/Malaysia. A member of the Livestock and Fisheries Research Council at the Academy of Scientific Research and Technology, Ministry of Higher Education. A member of the General Union of Arab Experts. A member of the General Union for the Protection of Wild and Marine Life in the League of Arab States. A member in Faculty Council in College of Vet. Medicine, Suez Canal University, Ministry of Higher Education. A member in Faculty Council in College of Fisheries, Suez University, Ministry of Higher Education. A member of Egyptian Boards for import and Infectious Diseases, Ministry of Agriculture. A member of National Institute of Fisheries and Oceanography Council, Ministry of Higher Education.

He has published more than 220 Scientific Research Papers in Local and International Scientific Journals.

He also supervised, participated, and discussed more than 250 Master's and Doctoral theses. He published 4 Scientific Books in the field of Pathology. He judged Scientific Research for more than 50 Local and International Scientific Journals. He won 20 international Research Projects.

Formally worked as:

Chairman, General Authority for Fish Resources Development, Ministry of Agriculture.

Head of Pathology Department, Faculty of Veterinary Medicine, Suez Canal University.

Dean of Fish Farming and Technology Institute, Suez Canal University.

Head of the Fish Health Program for Africa and West Asia, World Fish Center.

Head of Fish Diseases Department at World Fish Center (Malaysia/Egypt).

Expert Consultant for WHO, United Nations. Organizations (Geneva).

Expert Consultant, FAO, United Nations Organizations (Rome).

Expert Consultant, OIE, United Nations Organizations (Paris).

Expert for Consultation Group of International Agricultural Resources, Washington, USA.

Coordinator for International Cooperation of the Suez Canal University.

Professor and Head of Medical Laboratories Department, Qassim University, Saudi Arabia.

Teacher Assistant in Department of Biological Science, University of Texas at El Paso, USA.



SEC's Aquaculture Production Training Program – MENA



Wednesday, August 6th, 2025:

01:45 PM – Blocking in Seafood Traceability: Ensuring Transparency and Quality.

Dr. Ahmed Diab

Scientist

Dr. Ahmed holds Ph.D. of Agricultural Science: Zagazig University 2015.

Currently, he is Scientist in Aquaculture and Fisheries at Central Laboratory for Aquaculture Research (CLAR), Agricultural Research Center (ARC), Egypt. He is Member of the executive office for the minister of agriculture and land reclamation, Experienced for twenty years in Aquaculture and fisheries sector.

Dr. Ahmed worked as a visitor assistant professor at faculty of Fisheries technology and aquaculture, Arab academy for science, technology and maritime transport, Egypt. He has 22 publications in national and international journals, Strong background in general administration, Member at many development projects related to aquaculture and the development of policies for the fish sector, and developing relations with stakeholders.

Dr. Ahmed has vast experience in various fields of aquaculture and integration between aquaculture, plant and animal production, field of optimal utilization of water resources, designing feasibility studies for projects, and linking between applied research and production.

He was a researcher at Department of fish extension and socio-economics, central laboratory for aquaculture research. In addition, he was Manager executive office at Central Laboratory for Aquaculture research.

Dr. Ahmed is working as Lecturer at faculty of fisheries technology and aquaculture, Arab academy for science, technology and maritime transport – AASTM.

Dr. Ahmed is a member knowledge bank and climate change, Agriculture Research Center.

He has participated in different Researches and managing huge number of projects funded by: Swiss Agency for Development, ICARDA, EU, FAO, GIZ, University of Hohenheim (Germany), IFAD and STDF.



SEC's Aquaculture Production Training Program – MENA



Wednesday, June 18th, 2025:

02:45 PM – Innovative Solutions: How to Benefit from IoT (Internet of Things) Systems in Recent Aquaculture

Eng. Hazem Eltawab

Founder and General Manager of ReNile

Hazem holds Master of Engineering from Arizona State University. He is Founder and General Manager of ReNile which is seed start-up providing IoT solutions for agriculture in MENA region which have more than 180 farms in Egypt, UAE, Kuwait and Oman and saved about 25% of their operating cost.

He worked part time business consultant, Arab Organization for Industrialization. Also, worked as Technial Assitant at Zewail City for Science and technology.

As well, he worked in position of portfolio Manager at Nexel Partners which is management consulting firm that is supporting clients in the MENA region and the project was in Kuwait and UAE. Addition, he wrked as Chemical Process design Engineer at SABQ Company.

He has awarded the following:

- 1st place in Entrepreneurship World Cup in Egypt (EWC)
- 1st place in GIZ Agri-digital competition
- 1st place Hult competition ZewailCity.
- 1st Annual investment meeting (AIM) startup in Egypt
- Winner of Tanmia and tatweer Masr (TWT) grant



SEC's Aquaculture Production Training Program – MENA



Wednesday, June 18th, 2025:

03:30 PM – Artificial Intelligent in Aquaculture; Challenges and Opportunities

Dr. Neamat El Tazi

Co-founder and Chief Operating Officer of AbuErdan

Neamat ElTazi is a co-founder and Chief Operating Officer of AbuErdan, a powerful SaaS platform that helps poultry companies increase their profitability while reducing their production waste using the latest technologies in artificial intelligence, machine learning and blockchain. AbuErdan provides poultry companies with a visibility into their in-field operations which effectively augments their ability to make corrective decisions at the right time. Neamat has a Ph.D. in data management and data analytics from University of Michigan and Cairo University. Neamat has more than 18 years of experience in product development and management in multiple industries in different countries. Neamat is also an associate professor in Cairo University where she has multiple research findings in data analytics. She strives to reduce the gap between academia and the industry world. Neamat was recognized globally and won multiple awards from international organizations. Recently, she has been selected as one of the top 10 impactful woman in technology in 2020.



SEC's Aquaculture Production Training Program – MENA



Wednesday, June 18th, 2025:

04:15 PM – Successful Tips, Techniques, Ideas to Avoid Common Mistakes.

Prof. Diao Al-Kenawy

Head of Research, CLAR, Egypt

Diao works as Head of Research at the Central Lab for Aquaculture Research, CLAR. He currently has over 30 years of experience in aquaculture. Diao has studied Agricultural sciences and got a PhD in aquatic toxicology 2006 and has participated in and led many research and development projects as a scientist at WorldFish (1998-2021). He is mostly concerned about environment pollution and water quality and impact on fish resources. Diao is involved in aquaculture and fisheries training programs to teach participants how to produce more affordable and nutritious food from sustainable fish farming. He led the WorldFish Egypt's research on fish feeds and nutrition through the Global FISH CRP and is enthusiastic of teaching farmers and student's the best farming practices.



SEC's Aquaculture Production Training Program – MENA



Open Discussion, Q&A

SEC's Aquaculture Production Training Program – MENA



THANK YOU