

Mohamed Moustafa Mohamed Moustafa
Professor of Fish Diseases and Management
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Personal Information

Date of birth: 28/4/1948
Title: Professor
Department: Fish Diseases and Management

Occupational history

Demonstrator 1975-1980
Assistant lecturer: 1980-1986
Lecturer: 1986-1992
Assistant professor: 1992-2000
Professor: 2000-until now.

Specific research fields

Fish diseases (diagnosis and control)
Aquaculture – Biosecurity in Fish Farms
Aquatic environmental pollution
Aquatic Animal Epidemiology

Scientific achievements

1. Ph.D. degree in veterinary medicine sciences "fish diseases" from Faculty of veterinary medicine, Dept of Epizootiology, Hokkaido University, Japan, 1985.
2. Selected for a one year scientific research Fulbright award (The commission for educational & cultural exchange between the USA & the ARE) during the academic year 1990/91.
3. Selected as the expert of the AOAD (Arabian Organization for Agricultural Development, Arab League) to work as a technical consultant in Kuwait, 1994.

4. Selected to work as a professor of fish diseases at the Faculty of Veterinary Medicine, King Faisal University, Saudi Arabia, 1996.
5. The first to introduce and teach the course of fish diseases and management at Cairo University, 1989.
6. Selected by the Saudi Arabian Ministry of Health as a member of the Red Sea environmental committee, 2001.

Scientific Activities and Conferences

1. Consultation for governmental and private fish farms in Egypt and the Arabian Gulf.
2. Training courses for veterinarians and agriculturalists in fish diseases and aqua culture in Egypt, Kuwait and Saudi Arabia.
3. Attendance of conferences as a speaker and chairman for fish diseases, environmental pollution, and aqua culture in Japan, Kuwait, Saudi Arabia, and Egypt.
4. Supervision of a large number of MVSC and PhD thesis in the field of fish diseases and management in Egypt and Saudi Arabia.
5. Member in the standing committee of promotion for scientific staff of fish diseases, Supreme council the Universities, Ministry of Higher Education. Egypt.
6. Selected for the process of evaluation of fish diseases and environmental projects at the National Research Center in Egypt, and the King Abdulaziz City for Science and Technology in Saudi Arabia.
7. Attended training courses at the FLDP (faculty and leadership development project), Ministry of Higher Education.
8. "A comparative study on spawning-induction agents, Ovaprim and Carp Pituitary Extract in the Common Carp (*Cyprinus carpio*). Presented at the 21th Annual Conference of the Egyptian Society for Animal Reproduction and Fertility. Hurghada, Egypt, 7-11 February 2009.
9. 9th International Tilapia Aquaculture Symposium (ISTA 8) at Cairo International Conventional Center, Egypt, 24-26 October 2009.
10. Second International Conference of Faculty of Veterinary Medicine, Cairo University "CURRENT CHALLENGES AND FUTURE PROSPECTS OF VETERINARY MEDICINE" Hurghada 19 - 22 October, 2009.

12. Cairo University Fifth International Conference of Scientific Research and its Applications. Cairo University Convention Conference Center. Cairo University, 22- 24 of December, 2009.

13. Elsevier – Cairo University Scholarly Editing workshop. Cairo University New Central Library. Cairo University, Giza, Egypt, 14 December 2009.

PROJECTS

CO-PI of a 200 K – 18 months duration funded research project "Investigating the roles played by shrimp, freshwater crayfish and fish in the spread of Avian Influenza H5N1 under the Egyptian Territory". The project started at February 2010. The project funded by the Science and Technology Fund Sector at Cairo University, Egypt.

List of Publication

International publications

- Identification of some skeletal deformities in some freshwater teleost raised Egyptian aquaculture. *Chemosphere*. Volume 77, 2009, pp. 419– 425
- *Yersinia ruckeri* infection in cultured Nile tilapia, *Oreochromis niloticus*, at a semi-intensive fish farm in Lower Egypt. *African Journal of Aquatic Science* (2008) 33(3): 283–286
- The effect of ascogen on the immune response of Tilapia fish to *Aeromonas hydrophila* vaccine. *Fish & shellfish Immunology*, (1994)4,159-165.
- Detection of Antibody in Rainbow Trout against *Aeromonas salmonicida* by Enzyme-linked immunosorbant Assay. *Journal of Fish Pathology*. (1985) 20 (2/3) 237- 242
- Response of rainbow trout immunized with formalin killed *Vibrio anguillarum*: activity of phagocytosis of fish macrophages and opsonizing effect of antibody. *Journal of Fish Pathology* . (1985) 20:395- 402.
- Characterization of extracellular substance of *Vibrio anguillarum* toxic for rainbow trout and mice. *Microbiol. Immunol.* (1985) 29:909- 920.
- Toxic substance in culture filtrate of *Vibrio* sp. strain N7802, a poor producer of hemolysin and protease. *Journal of Fish Pathology*. (1985) 20:181-186.

- Extracellular virulence factors of fish vibrio: relationships between toxic material, hemolysin, and proteolytic enzyme. *Am. J. Vet. Res.* (1984) 45:2203- 2207.

National Publications

- **Chemical Pollution of the Aquatic Environment.** *National Research Center Annual Conference "Veterinary Medicine and Consumer Protection".* (2008).
- **Water Pollution and its effects on Fish and Public Health.** *2nd International Conference of Scientific Research and Its Applications.* (2006) 217
- **Future prospects for fish culture in Egypt.** *The Eight annual conference of the faculty of veterinary medicine, Cairo University* (2005).
- Epizootiological and pathological studies of trypanorhynchiasis among some marine fishes of Arabian Gulf. *J. Egypt. Vet. Med. Ass.* (2001) 61 (3): 9- 24
- Field control of prevailing bacterial diseases among intensive cultured Tilapia Fish in the Eastern Province of Saudi Arabia. *Beni - Suef Vet. Med. J.* (1999) 9 (3A) 327-340
- Field control of Saprolegniosis among cultured Tilapia (*Oreochromis niloticus*). *Alexandria Journal of Veterinary Science.* (1998) 14 (3)
- Some studies on tail and fin rot disease among cultured tilapia fishes. *Assiut Vet. Med. J.* (1996) 35 (70): 155- 162
- The effect of seasonal variations on the development of parasitic gill disease in Cichlidae fish. *Benha Vet. Med. J.* (1991) 2 (3): 1- 15
- Some pharmacokinetic aspects and tissue residues of Norfloxacin in Tilapia hybrid fish. *Benha Vet. Med .J.* (1991) 2 (3): 15-24
- Experimental and morphopathological studies on Tilapia infected by *Flexibacter columnaris*. *Beni Suef Vet Med. Res.* (1991) 1 (1) 53- 64.
- Vibriosis in marine fishes of Qarun Lake. *Zagazig Vet. Med. J.* (1990) 18 (5): 94 – 105
- An outbreak of red mouth disease among cultured freshwater fishes in Ismaillia Governorate. (1990) *Alexandria J. Vet. Sci.* (1990) 6 (2): 109 -119
- Contribution to tail and fin rot disease in Catfish (*Clarias lazera*), *Zagazig Vet. J.* (1989)17 (3): 244 -257

- Mycological investigations on cultured Tilapia in *Egypt. J. Vet. Sci.*(1989) 5 (2): 625 – 636
- Survival of Gram negative bacteria in muscular tissues of common carp (*Cyprinus carpio*) after different types of processing. *Third Egyptian British Conference on Animal Fish and Poultry Production.* (1989) 823 – 829