

Manal A. A. Essa

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Education

Ph. D., Fish Diseases and Management, Cairo University, Egypt, 1993.

M. V. Sc., Fish Diseases and Management, Cairo University, Egypt, 1988.

B. V. Sc., Cairo University, Egypt, 1982.

Professional Experience

Professor of Fish Diseases and Management and Head of Fish Department – Faculty of Veterinary Medicine – Beni Suef University - Egypt, 2004 - present.

- Taught theoretical and practical courses of undergraduate, graduate and post graduate students in Fish Departments of two Egyptian universities (Tanta University and Beni Suef University).
- Supervised a number of Ph. D. and M.Sc. theses at Beni Suef University and Cairo University.
- Participated in the approval of a number of Ph. D. and M.Sc. theses at Beni Suef University, Cairo University and Alexandria University in both Faculty of Veterinary Medicine and Faculty of Agriculture.
- Co-authored two books for undergraduate student courses in Fish Diseases and Management.
- Translated one reference in the field of Fish Diseases from English to Arabic.

List of Publications

- Some investigations on aflatoxicosis in cultured common carp (*Cyprinus capio* L.). Marzouk M.S.M. Manal A.A. and Shaheen A.A. Vet. Med. J. Giza. Vol.42, No.1 (1994): 169-174.
- Effect of Virginiamycin on performance and susceptability of *Oreochromis niloticus* to *Aeromonas hydrophila* infection. Essa, Manal A.A.; Hady Ali, Maha M. And Marzouk, M.S. J. Egypt. Vet. Med. Ass. 55, No. 1,2: (1995) 109-121
- Lernaosis outbreak in cultured freshwater fish fingerlings at Kafr El-Sheikh governorate, Egypt. Essa, Manal A.A.; Olfat A. Mahdy and M. El-Said Essa. Egypt. J. Comp. Pathol. & Clin. Pathol., Vol. 8, No. 2 October, (1995), 109-121.
- Parasitological and pahthological studies on heterophyid infection in *Tilapia* species from Manzala Lake, Egypt. Olfat A. Mahdy; Manal A. A. Essa and M. El-Said Essa. Egypt. J. Comp. Pathol. & Clin. Pathol. Vol.8, No. 2 October, (1995), 131-145.

- Some epizootiological aspects of ichthyophonosis in freshwater fish from Egypt. Manal A.A. Essa; Nahla R.H. El-Khatib and M. El-Said Easa. 7th Sci. Cong. 17-19, Nov. 1996, Fac. Vet. Med., Assuit, Egypt. 290-305.
- A contribution to some microbial problems in cultured freshwater prawn (*Macrobrachium rosenbergii*) in Kafr El-Sheikh governorate. Manal A.A. Essa, Nasr M. El-Bahy and Samira S. Rezeka. Issn 1110-2047. Alex. J. Vet. Science, (1997), Vol. 13 No.4: 459-472
- Fiz –A- Tox in aquaculture : 1- Effect of aflatoxin decontamination by a selective chemisorbent materials on the *Oreochromis niloticus* with considering fish. processing efficacy. Kawther M. Soliman, Ahmed M. Ayesh, Manal A. A. Essa and Khayria Naguib. Issn 1110-5321. J. Egypt. Ger. Soc. Zool., Vol.25 (A), Comparative Physiology, 1-19, Jan. 1998.
- Fdix-A- Tox in aquaculture : II- Monitoring the prevention effect of Fix-A-Tox against aflatoxicosis in cultured *Oreochromis niloticus*. Manal A.A. Essa, Kawther M. Soliman, and Hala M.F.EL- Miniawi. Vet. Med. J., Giza. Vol. 46, No.3 (1998):267-284.
- Investigation on the effectiveness of levamisole in therapeutic measures against saprolegniosis in *Oreochromis niloticus*. Manal A.A Essa, Samira S. Rezeka and Salwa M. Helmi. Beni-Suef Vet. Med. J. Vol.(9), No. 3B(1999): 713-725.
- Monitoring the stress role in the promotion of yersiniosis among cultured *Oreochromis niloticus* (*O.niloticus*) in egypt. Manal A.A Essa, Mona M. Hussein and Nashwa S. Elias. Beni-Suef Vet. Med. J. Vol. XI., No. (2) Oct., 2001: (773-789).
- Impact of some unconventional feeds on performance, cortisol and natural resistance against yersiniosis in *Oreochromis niloticus*. Maha M. Hady and Manal A.A. Essa, J. Egypt Vet. Med. Assoc. 62, No. 6B: (129-145) 2002.
- Some studies on spring viraemia in common carp (*Cyprinus carpio*) in Egypt. Manal A.A. Essa, Tamam, S.M. and Madbouly, H.M. Beni-Suef Vet. Med. J. Vol. XIII. No. (1): Oct., 2003: (301-314).
- Role of stress-inducing corticosteriod on the development of parasitosis in *Oreochromis niloticus* fish. Manal A.A. Essa, Mahmoud A.M. and Olfat A. Mahdy. J. Egypt. Vet. Med. Assoc. 63, No. 4 (133-153) 2003.
- Verification of the deleterious effects of lernaecosis on the health of grass carp (*Ctenopharyngodon idella*). Manal A.A. Essa, Mohamed A.A. Abd El-Galil, Wahid M.A. Mousa and Shawky S.Ibrahim. Egypt. J. Aquat. Biol. & Fish, Vol. 7, No.4:(241-261) 2003.
- Trials for control of lernaecosis in hatchery reared cyprinids by vaccination. Manal A.A. Essa Abd El-Galil M.A., Mousa W.M.A. and Ibrahim S.S. J. Egypt Vet. Med. Assoc. 64, No. 1:(263-284)2004.
- Usage of sodium chloride and potassium permanganate during *Oreochromis niloticus* transportation as stress mitigation and prophylactic treatment. Manal A.A. Essa and M.A.A. Abd El-Galil. Proc. The 1st Intern. Conf. Vet. Res. Div., NRC, Cairo, Egypt, February 15-17th (2004).

- Studies on the treatment of Lernaeosis in farmed cyprinus carpio by ivermectin. Dr. Abd El-Galil M. A. A. 11th Sci. Cong. 2004(335-350), Fac. Vet. Med., Assiut Univ.
- Effect of Nigella sativa & Trigonella foenumgraecum seeds additives on growth Performance & disease resistance of Nile tilapia (*Oreochromis niloticus*). Hayam D. Tonsy & Manal A. A. Essa. Society for environmental development ISSN 1110-8754.vol6(no.1) (2005) (B- Aquaculture)
- “Some epizootiological studies on mycobacteriosis in ornamental fishes.” Mohamed S. M. Marzouk, Manal A. A. Essa, Fawzy R. El-seedy, Essam A. Nasr and Doaa M. Abd El-Gawad. Egyptian Journal of Aquatic Biology & Fisheries, Vol. 11, No. 3:(885-898) 2007. ISSN 1110-6131.
- “Histopathological and Epizootiological Studies on Mycobacteriosis in some Ornamental Fishes.” M.S.M. Marzouk, Manal A.A. Essa, F.R. El-Seedy, Amany M. Kenawy and Doaa M. Abd El-Gawad. Proceedings of the 7th International Conference on Recirculating Aquaculture, Roanoke, Virginia, USA, July 25-27 (2008).
- “Susceptibility of different freshwater fishes to rota-virus infection” M.S.M. Marzouk, M.M. Ali, Manal A.A. Essa, M.D. Ibrahim. Proceedings of the 8th International Symposium on Tilapia in Aquaculture (ISTA 08), Cairo, Egypt, October 12-14 (2008).
- “Epizootiological and Histopathological Studies on Mycobacteriosis in Some Ornamental Fishes.” M.S.M. Marzouk, Manal A.A. Essa, F.R. El-Seedy, Amany M. Kenawy and Doaa M. Abd El-Gawad. Global Veterinaria. Vol. 3, No. 2:(137-143) 2009. ISSN1992-6197.
- “Control of Lernaeosis in Hatchery Reared *Cyprinus carpio* Fingerlings by Colophony and its Steamed Oil.” M.A.A. Abd El-Galil, Manal A.A. Essa, Fatma M.M. Korn. Global Aquaculture & Fisheries Research Conference & Exhibition. Cairo, Egypt, October 24-26 (2009).
- “Impairment of female *Oreochromis niloticus* fecundity exposed to Butachlor herbicide.” Manal A.A. Essa, M.S.M. Marzouk, Nashwa S. Elias, Maysa H. Shaker, Ghada M.A. Mohamed. Beni-Suef Veterinary Medicine Journal. Vol. 20, No. 1:(38-43) 2010.
- “Pathogenesis of mycobacteriosis in goldfish (*Carassius auratus*)”. M.S.M. Marzouk, M. Mostafa, Kh.A. El-Nesr, Manal A.A. Essa, and Doaa Abd El-Gowaad. Egyptian Journal of Comparative Pathology & Clinical Pathology. Vol. 24, No.2:(67:84) 2011.
- “Diagnosis and safe prevention of Edwardsiellosis in *Oreochromis niloticus*.” Manal A.A. Essa, M.M.A. Hussein, M.A.A. Abd El-Galil, and Fatma M.M. Korn. Proceedings of the 5th Global Fisheries and Aquaculture Research Conference. Cairo, Egypt, October 1-3 (2012).
- “Construction and evaluation of type III secretion system mutants of the catfish pathogen *Edwardsiella piscicida*” Asmaa Edrees, Hossam Abdelhamed, Seong-Won Nho, Seong bin Park, Attila Karsi, Frank W. Austin, Manal Essa, Tibor Pechan, and Mark L. Lawrence. Journal of fish diseases, 2019.

- “An *Edwardsiella piscicida* esaS mutant reveals contribution to virulence and vaccine potential” Asmaa Edrees, Hossam Abdelhamed, Seong-Won Nho, Ozan Ozdemir, Attila Karsi, Manal Essa, Mark L Lawrence. Microbial pathogenesis, 2020.
- Safety and effectiveness of trichlorfon in prevention of lernaecosis and its comparison with plant extracts in lernaecosis control. Manal A. A. Essa & Fatma M. M. korni. Aquatic sciences and engineering, 2018; 33(2): 32-38.
- The impact of leechiosis on semi-artificial spawning performance and hematological parameters of silver carp (*Hypophthalmichthys molitrix*) brooders and common carp (*Cyprinus carpio*) fingerlings with a reference to its stress response and treatment. Manal A. A. Essa, Fatma M. M. korni & Walaa M. S. Ahmed. Accepted for publication in Aquatic sciences and engineering, 2018; 33(2): 53-60.
- Virulence and live vaccine potential of *Edwardsiella piscicida* phoP and phoQ mutants in catfish against edwardsiellosis. *Journal of fish diseases*, 44(9), 1463–1474. <https://doi.org/10.1111/jfd.13453>. Sayed, M., Ozdemir, O., Essa, M., Olivier, A., Karsi, A., Lawrence, M. L., & Abdelhamed, H. (2021).
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- Sayed, M., Narayanan, L., Essa, M., Lawrence, M., Karsi, A., & Abdelhamed, H. (2023). Secreted Extracellular Products of *Flavobacterium covae* as Potential Immunogenic Factors for Protection against Columnaris Disease in Channel Catfish (*Ictalurus punctatus*). *Pathogens*, 12(6), 808. <https://doi.org/10.3390/pathogens12060808>.

Language Skills

- Native Arabic speaker
- Very good knowledge of spoken as well as written English

Personal Information

- Gender: Female
- Date of Birth: 22/01/1960
- Nationality: Egyptian