CURRICULUM VITA

Name: Prof. Dr. Sahar Fahmy Youssef Mehanna

Birth date: 15.4.1964 - Port Said, Egypt

Occupation: Director of Suez and Aqaba Gulfs Branch and Head of

Fish Population Dynamics and stock assessment lab, National

Institute of Oceanography and Fisheries NIOF, P. O. Box 182, Suez,

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Education

1997 Ph.D. (The study of biology and population dynamics of *Lethrinus mahsena* in the Gulf of Suez), Faculty of Science, Zoology Department, Zagazig University.

1993 M.Sc., (Rational exploitation of kuruma shrimp *Penaeus japonicus* Bate, 1888 in the Gulf of Suez), Faculty of Science, Zoology Department, Zagazig University.

1985 B.Sc., (Excellent) Zoology Department - Faculty of Science, Suez Canal University.

Career history

March, 2015: Director of Suez and Aqaba Gulfs Branch, NIOF

December 2014-March 2015: Head of Fisheries Division, NIOF

March 2013- December 2013: Stock Assessment Program advisor in TCP/SNG/3402

Capacity building in fisheries stock assessment in GCC Project, FAO, GCC and Yemen,

FAO.

August 2013-Now: Head of Fish Population Dynamics Lab, NIOF, Egypt.

Sep 2011- Sep 2013: Stock assessment and Fisheries management expert in Marine sciences and Fisheries Center, Ministry of Agriculture and Fisheries Wealth, **Sultanate of Oman.**

2005 – **2011:** Head of Fish Population Dynamics Lab, National Institute of Oceanography and Fisheries NIOF, Egypt.

Feb 2013-present: Professor in NIOF (Fisheries management and stock assessment).

2002 - 2012 Associate professor in NIOF (Fisheries management and stock assessment)

1997 - 2002 Researcher in NIOF.

Research interest

Fish Population Dynamics and aquatic resources assessment

Fish stock assessment

Fisheries biology

Concepts of aquatic ecology

Trophic modeling of aquatic ecosystems

Population dynamics of marine invertebrates with emphasis on shrimp, cuttlefish and crabs

Application of (predictive) fisheries yield models

Ecosystem management

List of publications

- **Mehanna, S. F., 1999.** Stock assessment of the horse mackerel *Trachurus indicus* in the Gulf of Suez, Egypt. Indian J. of Fisheries, 46 (4): 327-335.
- **Mehanna, S. F., 1999**. Population dynamics of the round scad *Decapterus macrosoma* (Bleeker, 1951) in the Gulf of Suez, Egypt. *Egyp*. J. Aquat. Biol. & Fish., 3 (2): 55-68.
- **Mehanna, S. F., 1999**. An assessment and management of the coral reef fish stocks in the Gulf of Suez. Egyp. J. Aquat. Biol. & Fish.,3(2): 103-114.
- **Mehanna, S. F., 2000**. Population dynamics of *Penaeus semisulcatus* in the Gulf of Suez, Egypt. Asian J. Fish.,13: 127-137.

- **Mehanna, S. F., 2001**. Growth, mortality and yield per recruit of *Rhabdosargus haffara* (Sparidae) from the Suez Bay. Egyp. J. Aquat. Biol.& Fish., 5(3): 31-46.
- **Mehanna, S. F., 2001.** Dynamics and management of the Indian mackerel *Rastrelliger kanagurta* (Cuvier, 1816) in the Gulf of Suez, Egypt. Egyp. J. Aquat. Biol.& Fish., 5(3): 179-194.
- **Mehanna, S. F., 2002.** Fisheries management of the slimy mackerel *Scomber japonicus* in the Gulf of Suez based on relative yield per recruit analysis. Egyp. J. Aquat. Biol.& Fish., 6 (3): 217-232.
- Mehanna, S. F., 2003. Population dynamics of the bigeye snapper *Lutjanus lineolatus*, Ruppell, 1829 (Family: Lutjanidae) from the Gulf of Suez, Egypt. Egyp. J. Aquat. Biol.& Fish., 7 (3): 71-85.
- **Mehanna, S. F., 2003.** Stock assessment and management of *Penaeus latisulcatus* in the Gulf of Suez, Egypt. Bull. Nat. Inst. Oceanogr. Fish., ARE, 29: 31-49.
- **Mehanna, S. F., 2004.** Population dynamics of two cichlids, *Oreochromis aureus* and *Tilapia zilli* from Wadi El- Raiyan lakes. Agriculture and Marine Sciences Journal, Sultan Qaboos Univ., 9 (1): 9-16.
- **Mehanna, S. F., 2004.** Maximum sustainable yield of the round herring, *Etrumeus teres* and slimy mackerel, *Scomber japonicus* from the Gulf of Suez. Bull. Nat. Inst. Oceanogr. Fish., ARE,30 (B): 322-325.
- **Mehanna, S. F., 2004.** Population dynamics of keeled mullet, *Liza carinata* and golden grey mullet, *Liza aurata* at the Bitter Lakes, Egypt. Bull. Nat. Inst. Oceanogr. Fish., ARE,30 (B): 315-321.
- **Mehanna, S. F., 2005**. Stock assessment of the blue swimmer crab *Portunus pelagicus* (Linnaeus, 1766) at the Bitter Lakes, Suez Canal, Egypt. Egyp. J. Aquat. Biol.& Fish., 9 (3): 187-213.
- **Mehanna, S. F., 2005**. Population dynamics of the areolate grouper *Epinephelus areolatus* from the Egyptian sector of Red Sea. 12th International Conference of Union of Arab Biologists, El-Hodeida University, Yemen, November, 2005.
- **Mehanna**, S. F., 2005. Population dynamics and management of the Nile tilapia *Oreochromis niloticus* at Wadi El-Raiyan Lakes, Egypt. Afr. J. Biol. Sci., 1: 79-88.

- **Mehanna, S. F., 2006**. Fisheries management of the thinlip grey mullet *Liza ramada* and golden grey mullet *Liza aurata* from Lake Bardawil, Egypt. Egyp. J. Aquat. Biol.& Fish., 10 (2): 33-53.
- **Mehanna, S. F., 2006.** Lake Bardawil fisheries: current status and future sight. J. Egyp. Ger. Soc. Zool., 51(D): 91-105.
- Mehanna, S. F., 2006. Fisheries regulations based on yield per recruit analysis for the spotted seabass *Dicentrarchus punctatus* (Moronidae) at Bardawil lagoon, Mediterranean coast of Sinai, Egypt. Egyp. J. Aquat. Biol. & Fish., 10 (4): 129-145.
- Mehanna, S. F., 2007. Stock assessment and management of the Egyptian sole *Solea aegyptiaca* Chabanaud, 1927 (Osteichthyes: Soleidae), in the Southeastern Mediterranean, Egypt in the Eastern Mediterranean (Port Said region), Egypt. Turk. J. Zool., 31: 379-388.
- **Mehanna, S. F., 2007.** A preliminary assessment and management of gilthead bream *Sparus aurata* in Port Said fishery, Southeastern Mediterranean, Egypt. Tur. J. Fish. & Aquat. Sci., 7 (2): 123-130.
- **Mehanna, S. F., 2007**. Fisheries assessment of Lake Nasser, Egypt with special reference to tilapia fishery. J. Egyp. Acad. Soc. Environ. Develop., 8(4): 27-35.
- **Mehanna, S. F., 2008.** Northern Delta Lakes, Egypt: constraints and challenges. Tropentag 2008, Hohenheim University, Germany, 7 9 October, 2008.
- **Mehanna, S. F., 2009.** Stock assessment of European hake *Murleccius murleccius* in the Egyptian coast of Mediterranean. **7**th International Conference on Ecosystems and Sustainable Development, ECOSUD, 8 10 July 2009, Chianciano Terme, Italy.
- **Mehanna, S. F., 2009.** Growth, Mortality and Spawning Stock Biomass of striped red mullet *Mullus surmuletus*, in the Egyptian Mediterranean waters. Med. Mar. Sci., 10 (2): 5-17.
- **Mehanna, S. F., 2009.** Growth, Mortality and Spawning Stock Biomass of red mullet *Mullus barbatus*, in the Egyptian Mediterranean waters. Tropentag 2009, Hamburg University, Germany, 6 8 October, 2009.

- **Mehanna, S. F., 2011.** Population dynamics and management of snubnose emperor *Lethrinus bungus* (*L. borbonicus*) from the Foul Bay, Red Sea. INOC-XI International Symposium 2011, Bogor, Indonesia: 121-129.
- **Mehanna, S. F., 2011.** Stock assessment of bogue *Boops boops* in the Egyptian Mediterranean waters. ICCAFF, 2011, Agadir, Morocco, 19-21 May, 2011.
- **Mehanna, S. F., 2013.** Sustainable development of Bardawil lagoon fisheries. First Regional Symposium on Sustainable Small-Scale Fisheries 27 30 November 2013, St. Julian's Malta.
- **Mehanna, S. F., 2014.** Population dynamics and stock assessment of three lizardfish species in the southern Red Sea coasts, Egypt. Biological Sciences Association Annual Conference, El-Dammam, KSA, 25-27 February, 2014.
- **Mehanna, S. F., 2014.** Population dynamical parameters of the Atlantic lizardfish (*Synodus saurus*) from the Mediterranean waters of Egypt. International Congress On "Estuaries & Coastal Protected Areas", ECPA 2014, 04 06 November 2014, Izmir Turkey
- **Mehanna, S.F., 2014**. Reproductive dynamics of the common sole *Solea solea* (Linnaeus, 1758) from Bardawil lagoon, North Sinai, Egypt. Tropentag 2014: Bridging the gap between increasing knowledge and decreasing resources, September 17 19, 2014, Czech University of Life Sciences Prague, Czech Republic.
- **Mehanna, S.F., 2015.** Egyptian Nile river fisheries assessment with special reference to tilapia fishery. Global Conference on Inland Fisheries, FAO, Rome, 26-28 January, 2015
- **Mehanna, S. F.** and M. Abdallah, **2002.** Population dynamics of the rabbitfish *Siganus rivulatus* from the Egyptian sector of the Red Sea. J. King Abdulaziz University, Mar. Sci., 13: 161-170.
- **Mehanna, S. F.** and A. Abdelhamid, **2003.** Population dynamics of *Sardinella jussieui* (Valenciennes, 1847) in the Gulf of Suez, Egypt. Indian J. Fish., 50 (1): 67-71.
- **Mehanna, S. F.** and A. M. Amin, **2005.** Population dynamics of the cuttlefish *Sepia dollfusi* (Adam, 1941) from the Gulf of Suez, Egypt. Egyp. J. Aquat. Biol.& Fish., 9 (1): 1-14.

- **Mehanna, S. F.** and F. I. El-Gammal, **2005.** Stock assessment of the round herring, *Etrumeus teres* (DeKay, 1842) from the Egyptian sector of Red Sea. Indian J. Fisheries, 52 (4): 377-383.
- **Mehanna, S. F.;** H. M. Haggag and A. M. Amin, **2005**. A preliminary evaluation of the status of Southeastern Mediterranean fisheries of Egypt (Port Said region). Egyp. J. Aquat. Biol. & Fish., 9 (4): 229-245.
- **Mehanna S. F.;** U. S. A. Khalifa and A. M. Amin, **2005**. Reproductive dynamics as a fishery management tool for the horse mackerel, *Trachurus indicus* (Necrasov, 1966) in the Gulf of Suez, Red Sea, Egypt. African J. Biol. Sci., 1 (1): 27-33.
- **Mehanna S. F.**; U. S. A. Khalifa and A. M. Amin, **2006**. Population dynamics of the greater lizardfish, *Saurida tumbil* in the Gulf of Suez, Red Sea, Egypt. Egyp. J. Aquat. Biol.& Fish., 10 (1): 111-124.
- Mehanna, S. F. and G. J. Al-Mahdawi, 2006. First record for syngnathid species (seahorses and pipefishes, family: Syngnathidae) from the Yemeni coast of Red Sea. African J. Biol. Sci., 2 (2): 121-128.
- **Mehanna, S. F.** and F. I. El-Gammal, **2007.** Gulf of Suez fisheries: current status, assessment and management. J. King Abdulaziz University, Mar. Sci., 18: 3-18.
- **Mehanna, S. F.** and F. I. El-Gammal, **2007.** Population characteristics and reproductive dynamics of the thinlip mullet *Liza ramada* (Risso, 1810) at Suez Canal Lakes, Egypt. Egyp. J. Aquat. Biol.& Fish., 11 (3): 307-324.
- Mehanna, S. F. and H. M. Haggag, 2007. Fisheries management of the blue swimmer crab *Portunus pelagicus* (Linnaeus, 1766) from Port Said at the Mediterranean Coast of Egypt. The International Arab African Fish Resources Conference "Sustainable use and management of aquatic resources", 28-30 June, 2007.
- **Mehanna S. F.** and U. S. A. Khalifa, **2007.** Small shrimp fisheries management at Southeastern Mediterranean (Port Said region), Egypt. Egypt. J. Aquat. Biol. & Fish., 11 (3): 927–942.
- Mehanna, S. F.; H. M. Haggag and N. A. Sallam, 2008. Population dynamics and management of *Sardinella aurita* (Osteichthyes: Clupeidae), in the Southeastern Mediterranean, Egypt. . J. Egyp. Acad. Soc. Environ. Develop., 9(1): 65-75.

- **Mehanna, S. F.** and F. I. El-Gammal, **2008.** Population dynamics and management of white shrimp *Metapenaeus stebbingi* (Penaeidae) at Lake Timsah, Suez Canal, Egypt. Asian Fish Sci, 21 (3): 305-317.
- **Mehanna, S. F.;** M. M. Hegazi and A. S. El-Sherbeny, **2009**. Stock assessment and management of the cuttlefish *Sepia pharaoni* (Mollusca: Cephalopoda) in the Gulf of Suez. Egyp. J. Aquat. Biol. & Fish., 13 (4): 421-431.
- **Mehanna, S. F.** and S. A. Fattouh, **2009.** Fisheries management of the common pandora *Pagellus erythrinus* in the Egyptian Mediterranean waters. 3rd International Conference on aquatic resources "Integrated Coastal Zone Management and Sustainable Development", NIOF, 17-20 November, 2009, Alex., Egypt.
- **Mehanna, S. F.** and F. I. El-Gammal, **2010.** Growth and population dynamics of cuttlefish *Sepia savignyi* in the Gulf of Suez, Red Sea. Indian J. Fisheries, 57(1): 1-6.
- **Mehanna, S. F.;** A. A. El-Aiatt; M. Ameran and M. Salem, **2010.** Population dynamics and fisheries regulations for the European seabass *Dicentrarchus labrax* (moronidae) at Bardawil lagoon, Egypt. 3rd International conference on Fisheries and Aquaculture, 29 November-1 December, Cairo, Egypt. www.cabdirect.com.
- **Mehanna, S.** F. and H. M. Haggag, **2010.** Port Said Fisheries: current status, assessment and management. 3rd International conference on Fisheries and Aquaculture, 29 November-1December, Cairo, Egypt. www.cabdirect.com.
- **Mehanna, S. F.;** M. Ameran; A. El-Aiatt and M. Salem, **2010**. Population Dynamics of the Egyptian sole *Solea aegyptiaca* (Soleidae) at Bardawil lagoon, Mediterranean coast of Sinai, Egypt. 3rd International conference on Fisheries and Aquaculture, 29 November-1 December, Cairo, Egypt. www.cabdirect.com.
- **Mehanna, S. F.** and M. Salem, **2011.** Fisheries regulations for the common sole *Solea solea* (Soleidae) at Bardawil lagoon, Mediterranean coast of Sinai, Egypt. (In press)
- **Mehanna, S.** F. and H. M. Haggag, **2011.** Stock assessment of the common cuttlefish, *Sepia officinalis* in the Southeastern Mediterranean, Egypt. 4th International conference on Fisheries and Aquaculture, 3-5 October, Cairo, Egypt.

- **Mehanna, S. F.** and H. M. Haggag, **2011.** Maximum sustainable yield of the flatfishes (Family: Soleidae) from Port Said waters, Mediterranean sea, Egypt. 4th International conference on Fisheries and Aquaculture, 3-5 October, Cairo, Egypt.
- **Mehanna, S. F.** and A. A. El-Aiatt, **2011**. Fishery characteristics and population dynamics of the blue swimmer crab *Portunus pelagicus* (Linnaeus, 1766) from Bardawil Lagoon. 4th International conference on Fisheries and Aquaculture, 3-5 October, Cairo, Egypt.
- **Mehanna, S. F.;** A. A. El-Aiatt and M. Salem, **2011.** An investigation of the impacts of shrimp bottom trawling on the Bardawil lagoon fisheries, Egypt. Egyp. J. Aquat. Biol. & Fish., 15 (3): 369-378.
- **Mehanna S. F.**; S. A. Fattouh; E. F. E. Farrag and A. S. H. El-Sherbeny, **2011.** Spatiotemporal variations in the distribution and abundance of demersal fishes in the Egyptian Mediterranean waters. 4th International conference on Fisheries and Aquaculture, 3-5 October, Cairo, Egypt.
- **Mehanna, S. F.;** S. Khvorov; L. Al-Kharusi and J. Al-Mamry, **2012**. Fisheries and Population dynamics of the green tiger shrimp, *Penaeus semisulcatus* from the Arabian Sea, Oman. International Journal of Environmental Science and Engineering, 3: 33-41.
- Mehanna, S. F. and M. Salem, 2012. Population dynamics of round sardine *Sardinella aurita* in El-Arish waters, southeastern Mediterranean, Egypt. Indian J. Fund. Appl. Life Sci. 1(4): 286-294.
- **Mehanna, S. F.;** F. R. Al-Kiyumi and L. Al-Kharusi, **2012.** Reproductive dynamics of the goldlined seabream *Rhabdosargus sarba* (Forsskal, 1775) from the Arabian Sea coast of Oman. International Journal of AgriScience, 2(4): 365-373
- **Mehanna, S. F.;** F. R. Al-Kiyumi and L. Al-Kharusi, **2012.** Population dynamics and management of goldlined seabream *Rhabdosargus sarba* (Sparidae) from the Oman coast of Arabian Sea. Fisheries and Aquaculture Journal, 2012: 1-9
- **Mehanna, S. F.;** J. Al-Mammry and L. Al-Kharusi, **2012.** Fishery characteristics and Population dynamics of Indian white shrimp, *Fenneropenaeus indicus* from Arabian Sea, Sultanate of Oman. Tur. J. Fish. & Aquat. Sci., 12: 239-246.

- **Mehanna, S. F.;** I. S. Al-Kharusi and L. H. Al-Kharusi, **2012.** Marine catfish fisheries (Family Ariidae) from the Oman coastal waters. 4th International conference on Fisheries and Aquaculture researches, Cairo, 3-6 October, 2012.
- **Mehanna, S. F.** and J. Al-Mammry, **2012.** Length-weight relationship of 19 pelagic and demersal fish species from the sea of Oman. 4th International conference on Fisheries and Aquaculture researches, Cairo, 3-6 October, 2012
- **Mehanna, S. F.;** S. Khvorov; M. Al-Sinawy, M. Al-Mosharafi and Yehia, **2012.** Stock assessment of the blue swimmer crab *Portunus pelagicus* (Linnaeus, 1766) from the Oman coastal waters. International Journal of Fisheries and Aquatic Sciences, 1(2):
- Mehanna, S. F.; S. Zaki; F. R. Al-kiuymi; L. Al-Kharusi and Suad Al-Bimani, 2012. Biology and fisheries management of spangled emperor *Lethrinus nebulosus* from the Arabian Sea Coast of Oman. International conference on `Land-Sea Interactions in the Coastal Zone LANDSI- 2012 "Byblos-LEBANON, November 06-08, 2012"
- Mehanna, S. F.; S. Zaki; S. Al-Habsi; F. R. Al-kiuymi and I. Al-Kharusi, 2012. Stock assessment of the thinspine sea catfish *Tachysurus tenuispinis* (Day, 1877) in the Arabian Sea, Oman. International conference on `Land-Sea Interactions in the Coastal Zone LANDSI- 2012 "Byblos-LEBANON, November 06-08, 2012".
- **Mehanna, S. F.;** S. Zaki; F. R. Al-kiuymi; L. Al-Kharusi and S. Al-Jardani, **2012.** Precision of Age Estimation in Goldlined Seabream *Rhabdosargus sarba* (Sparidae) from the Arabian Sea, Oman. Journal of Biology, Agriculture and Healthcare, 2 (9): 60-71.
- **Mehanna, S. F.;** S. Al-Shijibi; J. Al-Jafary and R. Al-Senaidi, **2012.** Population dynamics and management of scalloped spiny lobster *Panulirus homarus* in Oman coastal waters. Journal of Biology, Agriculture and Healthcare, 2 (10): 184-194.
- **Mehanna, S. F.;** A. Al-Marzouqi and B. El-Siabi, **2013.** Fishery characteristics and population dynamics of the spiny cheek grouper *Epinephelus diacanthus* (Valenciennes, 1828) From the Arabian Sea, Oman. Tur. J. Fish. & Aquat. Sci., 13 (1): 127-132.

- **Mehanna, S. F.** and D. Al-Mamry, **2013.** Population dynamics of the cuttlefish *Sepia prashadi* (adam, 1941) from the Omani coastal waters of the Arabian Sea. Journal of Fisheries Sciences, 7 (1): 89-98.
- **Mehanna, S. F.,** J. Al-Mamry, I. Al-Kharusi and D. Al-Mamry, **2013**. Stock assessment of threadfin bream *Nemipterus zysron* (Bleeker, 1857) in the Sea of Oman, Sultanate of Oman. INOC-XIII International Symposium 2013, Malaysia.
- **Mehanna, S. F.,** D. Al-Mamry and N. Al-Bulushi, **2013.** Biological study, distribution and biomass of the Arabian scad *Trachurus indicus* (Nekarsov, 1966) in the Arabian Sea Coast of Oman. INOC-XIII International Symposium 2013, Malaysia.
- **Mehanna, S. F.;** I. S. Al-Kharusi, L. H. Al-Kharusi and R. Al-Senaidi, **2013.** Population dynamical parameters of the brushtooth Lizardfish (*Saurida undosquamis*) from the arabian sea off oman. 6th International conference on Fisheries and Aquaculture researches, Hurgada, 27-30 September, 2013
- **Mehanna, S. F.** and M. M. Hegazi, **2013.** Population dynamics of grey mullet *Mugil cephalus* associated with seagrass community in Bardawil lagoon, Northern Sinai, Egypt. INOC-XIII International Symposium 2013, Malaysia.
- **Mehanna, S. F.;** M. M. Hegazi, and S. Salman, **2013.** Age and growth based on the otolith readings of the common sole, *Solea solea* from Bardawil lagoon. 5th International conference on Fisheries and Aquaculture researches, Cairo, May, 2013.
- **Mehanna, S. F.;** L. Al-Kharusi and S. Al-Habsi, **2014.** Population dynamics and fisheries management of the pharaoh cuttlefish *Sepia pharaonis* (Mollusca: Cephalopoda) in the Arabian Sea Coast of Oman. Indian Journal of Fisheries, 61(1): 7-11.
- **Mehanna, S. F.;** I. M. Shaker and A. Farouk, **2014.** Impacts of excessive fishing effort and heavy metals pollution on the Tilapia production from Lake Manzalah. 4th scientific conference "Fisheries resources between science and application", Abbasa, 11-13 March 2014.
- **Mehanna, S. F.;** I. M. Shaker and A. Farouk, **2014.** Population dynamics of gilthead seabream *Sparus aurata* in the Bardawil lagoon, North Sinai, Egypt. 4th scientific conference "Fisheries resources between science and application", Abbasa, 11-13 March 2014.

- Mehanna, S. F.; H. Abdel-Azim and A. A. Belal, 2014. Impact of metal pollution, food availability and excessive fishing on *Rhabdosargus haffara* stock (family: Sparidae) in Timsah Lake. International Conference in Integrated Management of Environment, Tunisia.
- **Mehanna, S. F.;** M. Abu-Elregal and Y. Ahmed, **2014.** Age and growth based on the scale readings of the two scarid species *Hipposcarus harid* and *Chlorurus sordidus* from Hurgada fishing area, Red Sea, Egypt. International Journal of Marine Science, 4 (29): 259-268.
- **Mehanna, S. F.;** M. T. Khalil; M. H. M. Ahmed; S. B. El Kafrawy and A. S. H. El-Sherbeny, **2015.** Dynamical parameters and yield per recruit of the Japanese anchovy *Engraulis japonicus* (Schlegel, 1846) in the Gulf of Suez, Red Sea, Egypt. Egyp. J. Aquat. Biol.& Fish., 19 (2):
- Mehanna, S. F.; M. T. Khalil; M. H. M. Ahmed; S. B. El Kafrawy and A. S. H. El-Sherbeny, 2015. Growth, mortality and relative yield per recruit of Japanese scad Decapterus maruadsi (Temminck & Schlegel, 1842) in the Gulf of Suez, Red Sea, Egypt. Egyp. J. Aquat. Biol. Fish., 19 (1): 1-6.
- **Mehanna, S. F.;** M. Abo Elregal and N. M. Aid, 2015. Critical lengths, mortality rates and relative yield per recruit of the common sole *Solea solea* from Egyptian Mediterranean coast off Alexandria. Egyp. J. Aquat. Biol.& Fish., 19 (2):
- El-Gammal, F. I.; A. S. Al-Zahabi and **S. F. Mehanna, 1994.** Preliminary analysis of the status of trawl fishery in the Gulf of Suez, with special reference to shrimp fishery. Bull. Inst. Oceanogr. Fish., ARE, 20 (2): 157-174.
- El-Gammal, F. I. and **S. F. Mehanna, 1999.** Maximum sustainable yield of the demersal fish resources exploited by trawling in the Gulf of Suez with special reference to shrimp fishery. The role of Science in the Development of Egyptian Society and Environment, 23-24 October, 1999. 198-210.
- El-Gammal, F. I. and S. F. Mehanna, 2002. Purse-seine fishery in the Gulf of Suez with special reference to sardine fishery. Asian J. Fish.15 (1): 81-88.
- Abdel-Hamid, A. A. and **S. F. Mehanna, 2003.** Resource assessment and management prospective of two nemipterid species (*Nemipterus japonicus* and *N. zysron*) in the Gulf of Suez. Bull. Inst. Oceanogr. Fish., ARE. 29: 15-29.

- El-Gammal, F. I. and **S. F. Mehanna, 2003.** Fisheries management of *Sarotherodon galilaeus* (Cichlidae) at Wadi El-Raiyan lakes. Bull.Nat. Inst. Oceanogr. Fish., ARE. 29: 51-69.
- El-Gammal, F. I. and **S. F. Mehanna, 2004.** The dynamics and exploitation of the population of *Liza ramada* (Risso, 1810) in Wadi El-Raiyan lakes, Egypt. Egyp. J. Aquat. Biol.& Fish., 8 (3): 35-51.
- Khalifa, U. S. and S. F. Mehanna, 2005. Precautionary target reference points (TRPs) for carangid fisheries management in the Gulf of Suez, Red Sea, Egypt. Egyp. J. Aquat. Biol.& Fish., 10 (1): 139-150.
- El-Gammal, F. I. and **S. F. Mehanna, 2006**. Management of invertebrate fisheries in the Gulf of Suez, Red Sea. Agriculture and Marine Sciences Journal, Sultan Qaboos Univ., 11 (1): 37-45.
- Khalifa, U. S. and S. F. Mehanna, 2007. Population characteristics and fisheries of Red Sea flatfish *Pardachirus marmoratus* (Lacepade, 1802), in Red Sea, Egypt, Egypt.
 J. Aquat. Biol. & Fish., 11 (3): 1191–1201.
- Abdel-Hakim, N. F.; **S. F. Mehanna**; M. S. Hussein; I. A. Eisa; D. E. El-Azab1 and A. A. Salama, **2010.** Length weight relationship, condition factor and stomach contents of the European seabass, *Dicentrarchus labrax* at Bardawil lagoon, North Sinai, Egypt. 3rd International conference on Fisheries and Aquaculture, 29 November-first December, Cairo, Egypt. www.cabdirect.com.
- Al-Mahdawi, G. J. and **S. F. Mehanna, 2010.** Stock assessment of the Indian mackerel *Rastrelliger kanagurta* (Cuvier, 1816) in the Yemeni coast of Red Sea, Alhodeidah region. 3rd International conference on Fisheries and Aquaculture, 29 November-1 December, Cairo, Egypt. www.cabdirect.com.
- Yankova, M., Mihneva, V., Radu, G. and **Mehanna, S. 2010**. General biology of horse mackerel *Trachurus mediterraneus* (Aleev, 1956) off the Bulgarian Black Sea Coast. Proceedings of the Union of Scientists, Varna, 73-77 (In Bulgarian).
- Tesfamichael, D. and **Mehanna, S.F. 2012**. Red Sea fisheries of Egypt: Heavy investment and their consequences. In: Tesfamichael, D. and Pauly, D. (eds.) Catch reconstruction for the Red Sea large marine ecosystem by countries (950 2010). Fisheries Centre Research Reports, Vol. 20 (1), Vancouver.

- Al-Kiyumi, F.; **S. F. Mehanna** and L. Al- Kharusi, **2013.** Growth, mortality and yield per recruit for the king soldier bream *Argyrops spinifer* (sparidae) from the Arabian Sea, Oman. Iranian Journal of Fisheries Science 12(4): 737-748.
- Al-Mamry, J., **S. F. Mehanna**, I. Al-Kharusi and L. Al-Kharusi, **2013.** Some biological aspects on threadfin bream *Nemipterus zysron* (Bleeker, 1857) from the Oman Sea off Oman. 6th International conference on Fisheries and Aquaculture, 27-30 September, Hurgada, Egypt. www.cabdirect.com.
- El-Halag, R. S.; I. M. Shaker; **S. F. Mehanna**; M. F. Othman and A. Farouk, **2013.** Impacts of some environmental conditions on water quality and some heavy metals in water of Bardawil lagoon. New York Science Journal, USA, 6(11): 5-13.
- Abdel-Azim, H.; **Mehanna, S. F** and A. A. Belal, **2014.** Impacts of water quality, fishing mortality and food availability on the striped piggy *Pomadasys stridens* production in Bitter lakes, Egypt. Aqaba International Conference on Marine and Coastal Environment: Status and Challenges in the Arab World, Aqaba-Jordan 27-29 October, 2014.
- Al-Kharusi; **S. F. Mehanna** and B. Al-Siyabi, **2014.** Penaeid shrimp fishery in Sultanate of Oman. Aqaba International Conference on Marine and Coastal Environment: Status and Challenges in the Arab World, Aqaba-Jordan 27-29 October, 2014.
- Al-Kiyumi, F.; **S. F. Mehanna** and Nabila Al-Bulushi, **2014**. Growth, mortality and yield per recruit of the Randall's threadfin bream *Nemipterus randalli* (Russell, 1986) from the Arabian Sea off Oman. Thalassa 30(1): 67-73.
- Al-Kiyumi, F.; **S. F. Mehanna**; I. S. Al-Kharusi and J. Al-Jafry, **2014**. Some Aspects on Distribution and Biology of the Brushtooth Lizardfish *Saurida undosquamis* (Richardson, 1848) from the Arabian Sea off Oman. Aqaba International Conference on Marine and Coastal Environment: Status and Challenges in the Arab World, Aqaba-Jordan 27-29 October, 2014.
- Al-Kiyumi, F.; **S. F. Mehanna** and B. Al-Siyabi, **2014.** Reproductive dynamics as a management tool for the spotted grunter *Pomadasys commersonnii* (Lacepède, 1801) from the Arabian Sea off Oman. International Congress on "Estuaries & Coastal Protected Areas", ECPA 2014, 04 06 November 2014, Izmir Turkey

- Al-Marzouqi, A.; **S. F. Mehanna**; R. El-Senaidi and S. Shojibi, **2014.** Some aspects on distribution and biology of the spinycheek grouper *Epinephelus diacanthus* (Valenciennes, 1828) from the Arabian Sea off Oman. J. Advances in Fisheries and Aquatic Sciences
- El-Halag, R. S.; I. M. Shaker; S. F. Mehanna; M. F. Othman and A. Farouk, 2014. Assessment of Physical, Chemical Properties and Some Heavy Metals in Sediment of Bardawil Lagoon, Egypt.
- Abdel Halim, A. S.; **S. F. Mehanna**; M. T. Khalil and M. M. Said, **2015.** Population dynamics of the freshwater crayfish *Procambarus clarkia* (Girard, 1852) in Egypt. Egyp. J. Aquat. Biol.& Fish., 19 (1): 7-17.

Sharing in the following research projects

- Stock assessment of fish resources in the Red Sea with special reference to the Gulf of Suez.
- Stock assessment of fish resources in the Suez Bay, Northern part of the Gulf of Suez.
- Stock assessment of fish resources in Wadi El-Raiyan Lakes.
- Ecology and fish resources management in lake Timsah and Bitter lakes, Suez Canal.
- Stock assessment and fisheries management of invertebrates with special reference to shrimp and the destructive impacts of trawl fishing in the Egyptian Red Sea Coast (PERSGA, Geddah).
- Ecology and Stock assessment of fish resources in the Foul Bay, Southern Red Sea (PI).
- Sustainable development of Zaranik protectorate and Lake Bardawil (Egyptian Academic Society for Environmental Development funded by GEF)
- Integrated coastal zone development of Port Said (EU).
- Stock assessment of Mediterranean fisheries based on trawl surveys using NIOF R/V Salsabil. (Scientific member on the R/V board and the head of fisheries team).
- Ecology and stock assessment of freshwater lobster as invasive species in the Nile River.
- Tuna fisheries management in Sultanate of Oman (The project's expert)
- Shrimp trawl fishing technique and its impact on the fish stocks in the Arabian Sea, Sultanate of Oman (the project's expert)

- Comparative study about morphometry and eco-biology of family Soleidae in the Mediterranean Sea between Egypt and Tunis (Egyptian PI).
- TCP/SNG/3402 Capacity building in fisheries stock assessment in GCC Project, FAO:
 Programme Advisor position
- National project (Sustainable development of North Sinai), Fisheries team leader

A member of

- Who's who Organization
- Leading Scientists of the World 2010
- Union of Arab Biologists
- Egyptian Society for Fish Resources Development
- WorldFish Center, Philippines.
- Arab scientists, Syrian.
- Egyptian Society for Youth Projects Development and Environment.
- Egyptian German Society for Zoology.
- Yemeni Society for Environment Conservation.
- African Association for Sustainable Development
- Egyptian Academic Society for Environmental Development.
- High Steering Committee of the Egyptian Marine Fisheries
- High Committee of the Bardawil lagoon development
- High Committee of the Lake Manzalah development
- Scientific Committee of the INOC annual conferences, Turkey
- GAFRD Consultant
- Coraliareef Consultant
- NIOF Committee for NIOF development and improvement
- NIOF Committee for MSc and PhD registrations
- Head of Fisheries Division Council, NIOF
- NIOF Committee for Research vessels operation
- NIOF Committee for long and short national strategy
- NIOF Committee for Research projects evaluation

NIOF Administrative Council

A Reviewer in international journals

- Aquaculture Journal
- Journal of Applied Biological Sciences
- Journal of King Abdulaziz University for Marine Sciences
- Philippine Agricultural Scientist
- Journal of Ecology and Natural Environment (JENE)
- African Journal of Biotechnology
- Journal of Agricultural Science and Technology
- Indian Journal of Marine Sciences
- Mediterranean Journal of Marine Sciences.
- Chinese Journal of Oceanology and Limnology
- Indian Journal of Geo-Marine Science

Supervising of M.Sc. and PhD. Thesis

- Population dynamics and management of some sparid fishes in Abo-Qir Bay, Alexandria.
- Ecological study and population dynamics of some portunid crabs at Lake Bardawil.
- Population dynamics and management of cuttlefish fishery in the Gulf of Suez, Red Sea.
- Lake Manzala pollution and its impact on the fish stocks.
- Population dynamics and fisheries management of two serranid species in the southern Red Sea.
- Population dynamics and management of commercial species of family Triglidae fishes off Alexandria waters.
- Ecological studies and fisheries management of Bardawil Lagoon, Egypt.
- Fisheries characteristics and population dynamics of commercial species of family Soleidae at Bardawil Lagoon, North Sinai, Egypt.

- Population dynamics and stock assessment of the commercial species of family Scaridae in the Southern Red Sea, Egypt.
- Ecological study and population dynamics of freshwater crayfish *Procamburus clarkii* in the Nile River.
- Application of remote sensing and analytical models for small pelagics fisheries management in the Gulf of Suez.
- Population Dynamics and Fisheries Management of the commercial species of family Soleidae off Alexandria coast, Mediterranean Sea.
- Stock assessment and fisheries management of the commercial species of family Carangidae in the Southern Red Sea, Egypt.
- Population dynamics and fisheries characteristics of the commercial species of family Cichlidae from Nile River, Al-Qanater AlKhayria.
- Population dynamics and stock assessment of two emperor species, *Lethrinus lentjan* and *L. microdon* from the Southern Red Sea, Egypt.
- Biology, Dynamics and stock assessment of the twobar seabream *Acanthopagrus bifasciatus* (Forsskål, 1775) in the Southern Red Sea, Egypt.
- Stock Assessment and Fisheries Management of Some Commercial Species of family Mullidae in the Mediterranean Sea off Alexandria.
- Biological and dynamical studies on the garfish (family: belonidae) in Bardawil lagoon.
- Biological and dynamical studies on the small scaled terapon stock (family: terapontidae) in Bardawil lagoon.

External examiner

- Studies on some deep sea shrimps around Peninsular India, Ph.D. Thesis, **Madras** University, India.
- Population dynamics and management of cuttlefish fishery in the Gulf of Suez, Red Sea. M.Sc. Thesis, Suez Canal University
- Studies on fish production in Lake Bardawil and impacts of some fish diseases on its productivity. M.Sc. Thesis, Al-Azhar University

- Fisheries characteristics and population dynamics of commercial species of family Soleidae at Bardawil Lagoon, North Sinai, Egypt. M.Sc. Thesis, Suez Canal University.
- Al Neelain University, Sudan.
- Jordan University, Jordan

Conferences

- 1999: The role of Science in the Development of Egyptian Society and Environment, Faculty of Science, Zagazig Univ. (with paper)
- 2005: Sea to Sea Forum, PERSGA, Egypt.
- 2005: The 1st Scientific Conference about Scientific Research Development, Egypt.
- 2005: The 9th conference about the fisheries resources in Mediterranean, Tanta Univ. (with paper)
- 2005: The 2nd conference of the Egyptian Academic Society for Environmental Development, Ain Shams Univ. (with paper)
- 2005: 12th International Conference of Union of Arab Biologists, El-Hodeida Univ., Yemen. (with paper)
- 2005: International conference of NIOF about Aquatic Resources of the Arab Region, Egypt.
- 2006: 10th conference about the Egyptian fisheries resources and aquaculture, Alex. Univ.
- 2006: International conference of NIOF about the future sight on Fisheries and Aquatic resources, Egypt.
- 2007: 4th International Conference of the Egyptian Academic Society for Environmental Development, Ain Shams Univ. (with paper)
- 2007: International African Arabian Fish Resources conference about Sustainable use and management of aquatic resources (Life member of both Organizing and Scientific Committees) (with paper)
- 2007: 1st International conference about the sustainable development of Red Sea region and Gulf of Aden (Life member of organizing committee)

- 2008: International Conference on Research for Development in Agriculture and Forestry, Food and Natural Resource Management **Tropentag-2008**, University of Hohenheim October 7-9, 2008 in Stuttgart-Hohenheim (with poster)
- 2008: International Conference 'Middle east and North Africa conference for animal wealth', Cairo 16-18 October, 2008
- 2008: 2nd International Conference on aquatic resources "Integrated Coastal Zone Management and Sustainable Development", NIOF, 22-25 November, 2008, Alex., Egypt.
- 2009: 7th International Conference on Ecosystems and Sustainable Development, ECOSUD-2009, 8 10 July 2009, Chianciano Terme, Italy.
- 2009: International Conference on Research for Development in Agriculture and Forestry, Food and Natural Resource Management **Tropentag-2009**, University of Hamburg October 6-8, 2009 in Hamburg, Germany. (with paper)
- 2009: 3rd International Conference on aquatic resources "Integrated Coastal Zone Management and Sustainable Development", NIOF, 17-20 November, 2009, Alex., Egypt. (with paper)
- **2009:** 3th International Conference of the Egyptian Academic Society for Environmental Development, Sharm El-Sheihk, 19-22 December, 2009. (with paper)
- 2010: The 3rd Global Fisheries and Aquaculture Research conference, 29 November-1 December, Cairo, Egypt. (Life member of both organizing and scientific committees) (with paper)
- 2011: 14th International conference about the impact of climatic changes on the wetlands, Ain Shams University and Texas University, Cairo 3-6 January 2011.
- 2011: ICAFFE 2011, Agadir, Morocco, 19-21 May (with paper)
- 2011: The 4th Global Fisheries and Aquaculture Research conference, 3-5 October, Cairo, Egypt. (Life member of both organizing and scientific committees) (with paper)
- 2011: INOC international conference, Indonesia, 23-25 October 2011. (with paper)
- 2012: INOC international conference, Lebanon, 6-8 November 2012. (with paper)
- **2012:** 4th International conference on Fisheries and Aquaculture researches, Cairo, 3-6 October, 2012 (with paper)

- 2013: 6th International conference on Fisheries and Aquaculture researches, Hurgada, 27-30 September, 2013 (with paper)
- 2013: INOC international conference, Malaysia, 26-30 October 2013. (with paper)
- 2013: First Regional Symposium on Sustainable Small-Scale Fisheries 27 30 November 2013, St. Julian's Malta (with paper)
- **2014:** Annual International conference of the Biological Sciences Association, KSA, 25-27 February 2014, KSA. (with paper)
- 2014: 4th scientific conference "Fisheries resources between science and application", Abbasa, 11-13 March 2014. (with paper)
- 2014: International Conference in Integrated Management of Environment, 25-28 September, Tunisia. (with paper)
- 2014: Tropentag, Bridging the gap between increasing knowledge and decreasing resources, September 17 19, 2014, Czech University of Life Sciences Prague, Czech Republic. (with paper)
- **2014:** International Congress on "Estuaries & Coastal Protected Areas ", ECPA 2014, 04 06 November 2014, Izmir Turkey. (with paper)
- 2014: Aqaba International Conference on Marine and Coastal Environment: Status and Challenges in the Arab World, Aqaba-Jordan 27-29 October, 2014.

Workshops and training programs

- 2004: workshop about the fisheries development of Gulf of Suez (with Lecture)
- 2005: workshop about development of syllabuses studied on faculty of Marine Sciences and Environment, El-Hodeida University, Yemen.
- 2005: workshop about aquaculture and fisheries in cooperation of China, NIOF, Egypt.
- 2005: Training Program on Solid Waste Management, Ain Shams Univ. in collaboration with Texas Gulf Coast Environmental Data Center, Prairie View A&M Univ. Texas, USA.
- 2006: workshop about Environment Conservation and the role of NGO's in its development, Suez, Egypt.
- 2006: workshop about the development of Bitter Lakes fisheries (with Lecture)

- 2006: training course for students of Faculty of Marine Sciences and Environments, Hodeidah University (with lecture).
- 2006: training course for students of Faculty of Sciences, Zoology Department, Suez Canal University (with lecture).
- 2006: training course about the aquaculture (organizing committee).
- 2006: workshop about the impacts of Red Tide on human health
- 2007: workshop about the development and sustainable use of Timsah and Manzala lakes (with Lecture).
- 2007: workshop about Fisheries Resources Development in Canal Region and Sinai.
- 2007: workshop about Future sight on aquaculture by cages.
- 2007: workshop about integrated coastal zone development of Port Said (member of organizing committee)
- 2007: workshop about the impacts of industrial and tourism activities and maritime on the biological, physical and chemical characteristics of water as well as fish populations in the Western part of Alexandria.
- 2007: workshop about the sustainable development of Lake Manzala (with Lecture).
- 2007: workshop about the sustainable development of Port Said fisheries (with Lecture).
- 2007: workshop about Fisheries Resources Development in Suez City with special reference to the Gulf of Suez (with lecture).
- 2008: Training course on Methodologies for Stock Assessment, Cairo, Egypt (FAO&GFCM).
- 2008: Working group on demersal species of Mediterranean including joint stocks assessment, **Izmir**, **Turkey** (GFCM). (with presentation)
- 2009: Training course on Methodologies for Stock Assessment, Zaragoza, Spain.
- 2009: Training course on Ocean Governance, IOI, Halifax, Canada
- 2009: Working group on demersal species of Mediterranean including joint stocks assessment, Ancona, Italy (GFCM), 19-23 October, 2009. (with presentation)
- 2009: Working group on small pelagics in the Mediterranean, Ancona, Italy (GFCM), 26-30 October, 2009. (with presentation)

- 2009: Training course on Fisheries data collection and analysis, Wageningen International, Netherland, 2-20 November, 2009.
- 2009: Training program on Stock Assessment and fisheries management, NIOF, Suez, Egypt (organizer and trainee)
- 2010: Workshop about Applying FLR on fisheries management, Athens, Greece
- 2010: Meeting about Ecosystemic approach on Fisheries Management, Rennes, France.
- 2010: Working group on demersal species of Mediterranean including joint stocks assessment, **Istanbul**, **Turkey** (GFCM), 18-23 October, 2010. (with presentation)
- 2010: Training program on Fish Population Dynamics and fisheries management, NIOF, Suez, Egypt (organizer and trainee)
- 2011: Training program on Methodologies for Stock Assessment, NIOF, Suez, Egypt (organizer and trainee)
- 2012: Training program on Fish Stock Assessment, MSFC, Muscat, Oman (organizer and trainee)
- 2012: By-catch reduction workshop, RECOFI, Kuwait (with presentation)
- 2013: Training program on Stock Assessment and fisheries management, NIOF, Suez, Egypt (organizer and trainee)
- 2014: Training program on Shrimp Stock Assessment and management, NIOF, Hurgada, Egypt (organizer and trainee)
- 2014: New techniques in Fishing methods used in Red Sea Fisheries, Egypt, Red Sea Governorate, Hurgada (trainee with lecture)
- 2014: Biodiversity in Sinai, Cairo, National Research Center, 23 November, 2014.
- 2015: Advanced training course on Fish Stock Assessment and fisheries management, NIOF, Suez, Egypt (organizer and trainee)
- 2015: Training course on Fisheries data collection and analysis, NIOF, Suez, Egypt (organizer and trainee)

Post Graduate Research Missions

2006: Visitor professor, Faculty of Environment and Marine Sciences, Al-Hodeida University, **Yemen**

2007: Scientific mission for two months in Alfred-Wegener Institute for Polar and Marine Sciences, **AWI**, **Bremerhaven**, **Germany**.

2009: Scientific mission for two months to join the IOI training programme, IOI Canada, **Halifax, Canada**.

2012: Scientific mission for 20 days as hydro-acoustic survey member, North Sea, Hamburg Fisheries Research, **Hamburg, Germany**.

2012: Scientific mission for 6 months as stock assessment trainee in Marine Sciences and Fisheries Centre, **Muscat, Oman**.

2013: Scientific mission as Stock Assessment Expert and Consultant, Ministry of Agriculture and Fisheries Wealth, **Oman**.

Books

- Lake Bardawil (As a part of project for the conservation of wetland and coastal ecosystems in the Mediterranean region, **MedWetCoast**)
- Manzala lake fisheries (As a part of the project of coastal zone management for Port Said)
- Biology and population dynamics of genus *Trachurus* around the world (**Elsevier**)
- Vulnerability of Agriculture, Water and Fisheries to Climate Change: Toward Sustainable Adaptation Strategies (**Springer**)

Computer skills

ICDL, Microsoft office, Windows, Internet, Statistical softwares (Minitab and Exell), Fish Stock Assessment softwares (FiSAT, ECOPATH, ECOSIM, CLIMPRODUCTION, VIT, SURBA).