

DR. RER. NAT. ZAKI SHARAWY

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PERSONAL PARTICULARS

Date of Birth: 13/04/1976.
Place of Birth: Suez, Egypt.
Nationality: Egyptian.
Sex: Male.
Marital Status: Married with 2 children.



EDUCATIONAL BACKGROUND

Degree title: Bachelor of Agriculture Science (*B.Sc.*), May 1998.

From (University, College): AL-AZHAR University, Agriculture College, Fish Production Department, Cairo, Egypt.

Degree title: Master of Science in Tropical and International Agriculture (*M.Sc.*). April 2007 - March 2009.

From (University, College): Georg-August University of Göttingen, Faculty of Agriculture, Animal Science Department, Aquaculture and Water Ecology Group, Göttingen, Germany.

Degree title: Doctor of Natural Science (*Dr. rer. nat.*). May 2009 - September 2012.

From (University, College): University of Hamburg, Faculty of Mathematics, Informatics and Natural Science, Biology Department, Institute for Hydrobiology and Fisheries Science (IHF), Hamburg, Germany.

WORK HISTORY

- Researcher: National Institute of Oceanography and Fisheries (NIOF-Egypt), Egypt (since September, 2012).
- Visiting researcher at Tokyo University of Fisheries, Japan (2012).
- Scientist: Institute for Hydrobiology and Fisheries Science, University of Hamburg, Germany (April, 2012).

- Researcher Assistant: National Institute of Oceanography and Fisheries (NIOF-Egypt), Egypt (March, 2010).
- Assistant Researcher: National Institute of Oceanography and Fisheries (NIOF-Egypt), Egypt (August, 1999).

AREA OF EXPERTISE

Research interests:

- Recirculating aquaculture systems (RAS).
- Marine and fresh water fish production.
- Organic aquaculture.
- Mono-sex tilapia production.
- Fish/Fisheries biology and ecology
- Life cycle modelling.
- Population dynamics, growth and life cycle of the brown shrimp.

Personal interests:

- Social activities (former head of Egyptian Society for Youth Projects Development and Environment Conservation, Egypt), fishing, sports, reading and travelling.

SKILLS

- Languages:
Arabic: mother tongue.
English: very good.
German: very good.
- Computer skills (International Computer Driving Licence – ICDL).
- SPSS-, Ocean Data View (ODV)-, Matlab-, R-programs.
- Very dynamic.
- Fast learning ability.
- Able to work in multidisciplinary team.

WORKSHOPS , TRAINING, CONFERENCE & PROJECTS

- Project member of “*Ecology and Stock assessment of fish resources in the Foul Bay, Southern Red Sea (PI and PII)*”. National Institute of Oceanography and Fisheries (NIOF), Egypt (2004).

- International conference on "*Aquatic Resources of the Arab Region*". National Institute of Oceanography and Fisheries (NIOF), Egypt (2005).
- Workshop on "*Aquaculture and fisheries in cooperation of China*". National Institute of Oceanography and Fisheries (NIOF), Egypt (2005).
- International conference on "*The future sight on Fisheries and Aquatic resources*". National Institute of Oceanography and Fisheries (NIOF), Egypt (2006).
- Workshop on "*The development of Bitter Lakes fisheries*". National Institute of Oceanography and Fisheries (NIOF), Egypt (2006).
- Workshop on "*The impacts of Red Tide on human health*". National Institute of Oceanography and Fisheries (NIOF), Egypt (2006).
- Training program on "*Environment Conservation and the role of NGO's and its development*". Suez, Egypt (2006).
- International training program on "*Collection and Processing of Spatial Data*". Kassel University, Germany (2007).
- International training program on "*Certification of organically produced agriculture commodities and accreditation of certification bodies*". Witzenhausen, Germany (2008).
- International summer academic on "*Higher Education Development Cooperation - the contribution of foreign students*". World University Service (WUS), Germany (2008).
- International seminar on "*Knowledge Management and Development Cooperation*". World University Service (WUS), Germany (2008).
- International seminar on "*Global environment - climate disasters*". World University Service (WUS), Germany (2008).
- International conference on "*Aquatic resources: Preservation and Development*". National Institute of Oceanography and Fisheries (NIOF), Alexandria, Egypt (2010)
- International training program on "*shrimp cross-breeding*". National Breeding Centre for Marine Aquaculture in Northern Vietnam, Vietnam (2011).
- International Tropentag conference. Germany; Switzerland (since 2007 to 2011)
- Workshop on "*Aquaponics gardening as means for food security - small scale home project*". Fisheries and Aquaculture Oriented Research Capacity in Egypt (FORCE), Alexandria, Egypt (2012).

- Training program on "*Indicators and Simulation for site selection and EIA of finfish mariculture*". Fisheries and Aquaculture Oriented Research Capacity in Egypt (FORCE), Alexandria, Egypt (2012).
- Workshop on "*GIS for Socioeconomic Applications*". Alexandria Research Center for Adaption (ARCA) Alexandria, Egypt (2012).
- Workshop on "*Applied Econometrics with STATA*". Alexandria Research Center for Adaption (ARCA) Alexandria, Egypt (2012).
- Project Principal Investigator on the "*Effects of feeding strategy and stocking density on food consumption and growth of the Indian white shrimp *Penaeus indicus**". Financed for two years (2012-2014) via the Ministry of Scientific Research, National Institute of Oceanography and Fisheries (NIOF) Egypt (2012).
- Conference Board of "*The International conference of Environmental Science*". Ain-Shames University, Cairo, Egypt (2013).
- International seminar "*Quality Assurance in Research – Ethics and Science*". Cairo Office of the German Academic Exchange Service (DAAD) cooperating with Arab Network for Quality Assurance in Higher Education (ANQAHE), Egypt (2013).
- Conference Board of "*The 6th International Global Fisheries & Aquaculture Research*". Hurghada, Red Sea, Egypt (2013).
- Training course on "*How to internationalize your research*". As a part of WP4 (Enhance the capacity building for a comprehensive strategy) and with a collaboration between the National Institute of Oceanography and Fisheries (NIOF-EGYPT) and the AQUATT-IRELAND at Alexandria University, Egypt (2013).
- Consultant workshop on "*Vulnerability of various sectors in the Nile Delta to climate change and Sea level rise*". Supported by The International Development Research Center (IDRC-Canada), Cairo, Egypt (2013).
- International summer School on "*Aquaculture in the Baltic Sea Region*". Rostock University, Germany (2013).
- Training course on "*Fish stock assessment*". National Institute of Oceanography and Fisheries (NIOF), Suez, Egypt (2013)
- Workshop on "*Improving Tilapia Aquaculture in Egypt*" in frameworks of Improving management and technological innovation in African tilapia farms and hatcheries (ITACA), Alexandria, Egypt (2014).

- International conference on “*Aquaculture America 2014*”. February 9-12, 2014 at Washington State Convention Center, Seattle, Washington U.S.A. (2014).

SELECTED POSTER, ORAL PRESENTATION & PUBLICATION

- **Sharawy, Z.**, Ashraf M. A-S Goda, and Mohamed S. Hassaan (2014): *Replacement of dietary fish meal protein with yeast-fermented soybean meal in Indian white shrimp, Penaeus indicus (H. Milne Edwards)*. Oral presentation at AQUACULTURE AMERICA 2014 Conference and Exposition, February 9-12, 2014, Washington State Convention Center, Seattle, Washington U.S.A.
- **Sharawy, Z.** (2012): *Investigations into growth and nutritional condition of brown shrimp Crangon crangon (L)*. Dissertation, University of Hamburg, Germany. <http://ediss.sub.uni-hamburg.de/volltexte/2012/5826/pdf/Dissertation.pdf>
- **Sharawy, Z.** (2010): *Improving Androgenesis by optimizing conditions of Ultraviolet treatment in Nile Tilapia, Oreochromis niloticus (L)*. Egyptian Journal of Aquatic Research.
- **Sharawy, Z.** (2010): *All super male (YY) Nile Tilapia, Oreochromis niloticus (L)*. International conference “*On Aquatic resources: Preservation and Development*”. Oral presentation. Egypt.