

# Mohamed Sobhi Hamza

Aquaculture research specialist



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**Age:** 37

## Education

- 2014 - Present**      **Master in marine biology**  
*Suez canal University – Al Esmalia, Egypt.*  
*M.Sc. Sustainable development for lakes Using remote sensing and GIS information.*  
*Determining the different environments and biological feature to put management control plane for this lakes and beaches.*  
*Investment map in lakes which area better for farms, hatcheries and aquaculture projects.*
- 2009**                **Post graduate in marine aquaculture**  
*Al Azhar University – Cairo, Egypt.*  
*Courses in aquaculture, marine products industrial, stock assessment, plankton, fish biology, marine ecology, oceanography and taxonomy.*
- 2003**                **B.Sc in marine and fish biology**  
*Faculty of science Al Azhar University – Cairo, Egypt.*

## Work Experience

### **Biosecurity and quality control manager**

***Island prawn company kingdom of Saudi Arabia ALith Makka Residence.***

- 2015 - present**
- \* *Put bio-security protocol for farm, hatchery, quarantine and processing plant.*
  - \* *Monitoring of water treatment (Ozone unit, sand filters, cartilaginous filters, UV unit).*
  - \* *Teach our staff how to use instrument specially (YSI), How to keep good water quality, how to taking samples for check and taking reading.*
  - \* *Daily check chemical and physical water parameters (Temperature, Salinity, PH, DO, Transparency, Alkalinity, Ammonia, Nitrate, Nitrite).*
  - \* *Daily check animal sanitary status, cleaning for tools, screens.*
  - \* *Daily check for aeration and pumping water status.*

- \* *Weekly general check for animal health, ponds soil quality.*
- \* *Feeding program and feed consumption monitoring.*
- \* *Data analyzing managing and calculation of growth rate, FCR and TFC.*
- \* *Preparing to harvest and prepare products to marketing by good quality.*
- \* *General Coordination for all technical work.*
- \* *Assess Technical staff.*
- \* *Make bio security training for all staff (special training for technicians and specialist staff, workers, administration team and mechanics team ).*

**2011- 2015**

### **Research specialist**

***With GAFRD and VDS and Aleir aqua company, Alexandria, Egypt.***

- \* *This project under the supervision of Government (GAFRD) Egypt.*
- \* *This project for shrimp hatching,nursery and farming.*
- \* *Algae section (preparing Algae, Artemia and Rotifer) outdoor and in door sections.*
- \* *In door section larval rearing (acclimatization, feeding, water exchange, fry caring).*
- \* *Water parameters analysis.*
- \* *Sharing to put feeding program and other improvements (vitamins, probiotic, molasses, and chemicals).*
- \* *Follow up Feeding, bio-security and health status.*

**2008 - 2011**

### **Researcher specialist in aquaculture**

***General authority for fish resources development (GAFRD), I worked in hatcheries directorate (Abassa hatchery)sharkia, Egypt.***

- \* *My practicals work in this hatchery (hatching fresh water spp like Tliabia, carp spp and cat fish).*
- \* *water quality analysis monitoring of chemical and physical parameter.*
- \* *Feeding schedule for brood stock, larvae, post larvae and fry.*
- \* *Animals treatment .*
- \* *selecting of good animals for spawning.*
- \* *preparing hormone injections which extract from pituitary gland.*
- \* *In hatching season i take care for adult fishes.*
- \* *Follow up eggs to rich fry and calculation survival rate and fertilization rate.*
- \* *Preparing reports for daily work.*

**2005 - 2008**

### **Researcher specialist**

***In general Administration for inspection (GAFRD) Egypt.***

- \* *My work position is technician inspector.*
- \* *Monitoring the production projects (farms, hatcheries, and nursery stations and*

*fish food factories).*

- \* *Observation the illegal work in lakes (fishing,, pollution).*
- \* *Farm and hatcheries establishment acceptance.*
- \* *Assessment aquaculture projects*
- \* *Also monitoring illegal activities in the Nile River.*
- \* *Monitoring fishing moorings.*

**2004 - 2005**

### **Researcher specialist**

*In feeding research department (GAFRD) Egypt*

- \* *Put feeding program for farmers and hatcheries.*
- \* *Give advising for farmers and hatcheries producers.*
- \* *Teaching farmer how to produce the natural feed.*
- \* *Assess total lipid and total protein and other analysis in feed.*

**2003 - 2004**

### **Researcher specialist**

*In lakes department (GAFRD) Egypt*

- \* *Environmental studies for all lakes.*
- \* *Put lakes locations in satellite maps using GIS technics.*
- \* *Locating the lakes area using remote sensing and GIS technics.*
- \* *Monitoring of water quality to check pollution and contamination.*
- \* *Development these lakes by good projects like (aquaculture farms, salt marshes, fisheries and communities activities).*

## Activities and certificates

- \* *Field training in animal data collection for the scientific research, Al Azhar University, Cairo, Egypt (2003).*
- \* *Field training in water sampling collection, AL Azhar University, Cairo, Egypt (2003).*
- \* *Certificate in fish hatcheries management Alexandria training center, Egypt (2011).*
- \* *Certificate in hatcheries Construction form League of Arab States(Arab Organization For Agricultural Development) In cooperation with Cairo university faculty of Veterinary (2012).*
- \* *Certificate in fish disease form League of Arab States (Arab Organization for Agricultural Development) in cooperation with Abassa research center (2014).*
- \* *Certificate in new technology for shrimp farming form League of Arab States (Arab Organization For Agricultural Development) In cooperation with Cairo university faculty of Veterinary (2012).*
- \* *Certificate in fish disease form Alexandria training center, Egypt (2011).*
- \* *Certificate in farming and nursery of shrimp (Indicas sp) from GAFRD (2011).*
- \* *Training in beaches monitoring (water parameters) NARSS, Egypt.*
- \* *Training on instruments for water quality (multi props) YSI, Eco sounder NARSS Egypt.*
- \* *Training on GPS and remote sensing instruments and software (ARC, ENVI, MANTA2, and SURFER) NARSS, Egypt.*
- \* *Training in image satellite analysis (marine) NARSS, Egypt.*

- \* *Research paper to survey for Bardawil Lake (Water parameters, Depth, Water flowing, and Environmental changes).*
- \* *Attend in conference for development Veterinary education (what us the better courses for veterinarian students to connect between the education and field work Banha university faculty of veterinary medicine, Egypt (2013).*
- \* *Shared with the international conference for marine and fresh water aquaculture and fisheries Cairo University, Egypt 2014.*
- \* *Shared with work shop in biodiversity for Egypt coastal and marine environment Al azhar university, Egypt 2005.*
- \* *Annual Conference for marine biology researches Asuit University, Hurghada (2013).*
- \* *Speaker in 8<sup>th</sup> Workshop Program for Aquaculture Bio-security Measures in the Kingdom of Saudi Arabia Jeddah KSA 2015.*
- \* *Shared in 9<sup>th</sup> Workshop Program for Aquaculture Bio-security Measures in the Kingdom of Saudi Arabia Jeddah KSA 2015.*
- \* *I give a lectures for university students (science, Veterinary, agriculture) faculty.*
- \* *Attend workshop in aquaculture development in Suez canal area in port said city under supervision Suez canal university (2016).*
- \* *Shared in 12<sup>th</sup> Workshop Program for Aquaculture Bio-security Measures in the Kingdom of Saudi Arabia Jeddah KSA 2016.*
- \* *I was attended in work shop specialist in marine products quality control certifications (BAP, GAP) in NAQUA 2017.*

## Skills

- \* *Certificate in windows software.*
- \* *Certificate in Microsoft office (Excel, Access, PowerPoint and Word).*
- \* *Investment my work using internet tools.*
- \* *English language (speaking, writing,) good level.*
- \* *I have got certificate in TOEFL.*
- \* *I like to do my duty in team work and active team.*
- \* *Always my vision is development my work.*

*Mohamed Hamza*