

# Abdel Fatah A. Ali

## Personal Profile

A marine scientist with a postgraduate **M.Sc.** degree in **Fishery Sciences** and a graduated **B.Sc.** in **Marine Sciences and Fisheries (Biological Oceanography)** interested in Fisheries science and Aquaculture with a vast experience of more than 15 years on Marine finfishes and prawn shrimps breeding/farming and hatcheries/farms design and constructions committed to professionalism highly organized combining strong interpersonal and communication skills with strong flare for scientific research.

### **Address:**

- **Work:** Aquaculture and Marine Studies Center (**AMSC**). Abu Alabyad Island – Abu Dhabi Emirate-UAE.
  - P.O Box: 372
  - Tel. : 02-883927
- **Home:** Abu Dhabi, Mussafah ME12-Building 66, Flat 101
  - Tel. : 02-5537146
  - Mobile: +971504307671 -+971556391110
  - E. mail: [arse3057@gmail.com](mailto:arse3057@gmail.com)
- **Marital status:** Married (three kids: 11, 9 and 3 yrs.)
- **Nationality:** Sudanese
- **Date of birth:** 01/1/1971
- **Languages:** (reading, writing and speaking)
  - **Arabic:** Excellent

- **English:** Excellent.
  
  - **UAE valid driving license:** No.: 394422
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## **Academic Qualifications**

- **(March 2008 - March, 2010): M.Sc. in Fishery Science.** College of Graduate Studies - Sudan University of Science and Technology -College of Science and Technology of Animal Production- Khartoum - Sudan.

- **(1993 - 1998): B.Sc. (Honors) in Marine Sciences and Fisheries (Biological Oceanography).** Red Sea University - College of Marine Sciences and Fisheries - Port Sudan (Red Sea) - Sudan.

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## **Professional Experience**

September 2000 up to date: **Aquaculture Specialist** - Aquaculture and Marine Studies Center (**AMSC**), **Abu Alabyad Island**-Abu Dhabi –Department of the President’s Affairs- UAE.

## **Scope of work**

Producing fish and shrimp seeds under controlled conditions and releasing them into the wild to replenish the depleted stocks and even ensure the conservation of fish and shrimp species. Beside the renovation and maintenance of Mangroves, Sea grass and coral reefs ecosystems.

## Job Profiles and Descriptions

Including planning, supervising, procuring and staff training for the following activities following best Aquaculture practices (BAP) which only its standards are adopted at the Aquaculture and Marine Studies Center (AMSC) to achieve best management:

### **Designing for the following:**

- Shrimp hatcheries (buildings, tanks, and equipments ....etc.)
- Shrimp farms in liner ponds, concrete ponds and outdoor tanks facilities.
- Fish hatcheries (buildings, tanks, and equipments ....etc.)
- Fish farms in floating cages, liner pond, concrete ponds, and outdoor tanks facilities.
- Live food units for culturing and production of zooplankton and phytoplankton (microalgae) for feeding the fish and crustacean larvae.
- Mangrove nurseries and mangrove plantation.

**Breeding in opened and closed systems and grow out in tanks, ponds and floating cages under the United Arab Emirates climate conditions following the same regulations of BAP for:**

### ➤ **Marine Finfishes spp.;**

SN	Scientific name	Common name	Local name
1	<i>Sparidentex hasta</i>	Blue fin seabream	Sobaity سبيطي
2	<i>Rhabdosargus sarba</i>	Goldlined sea bream	Gabit قابط
3	<i>Acanthpagrus latus</i>	Yellow fin sea bream	Sha`am الشعم
4	<i>Siganus canaliculatus</i>	White-spotted spine	Safi Arabi

		foot	صافي عربي
5	<i>Rachycentron canadum</i>	Cobia	Sikil سيكل
6	<i>Mugil cephalus</i>	Grey mullet	Biah Deebis بياح دعبس
7	<i>Valamugil seheli</i>	Blue-spotted mullet	Biah Arabi بياح عربي
8	<i>Lethrinus nebulosus</i>	Spangled emperor	Sheiri شعري
9	<i>Epinehelus coioides</i>	Orange-spotted grouper	Hamoor هامور
10	<i>Pinjalo pinjalo</i>	Pinjalo	Na'imee نعيمي
11	<i>Sillago sillago</i>	Silver Sillago	Hassom حاسوم

➤ **Freshwater Fishes:**

SN	Scientific name	Common name
1	<i>Oreochromis niloticus</i>	Tilapia
2	<i>Clarias garepinus</i>	Catfish

➤ **And marine Shrimps**

SN	Scientific name	Common name
1	<i>Peneaus indicus</i>	White Indian Shrimp
2	<i>Peneaus semisulcatus</i>	Green strips tiger shrimp
3	<i>Peaneaus monodon</i>	Black strips shrimp

**Assessment and evaluation of state of the environment of fisheries of Abu Alabyad island-Abu Dhabi emirate-UAE and developing of fishing gears, technologies, and products of the wild fishing yield to match the HACAAP protocols.**

**Exploring fisheries grounds of Abu Alabyad Island, classifying populations fishing areas and rationalization of fishing yield from each area. Developing of natural fisheries through the enhancement of aquaculture activities:**

- Introducing new methods of the selected breeding species of marine finfishes, shrimps in hatcheries grow out farms, and floating cages following various methods of spawning, larval rearing and farming techniques.
- Improvement of marine finfishes and shrimps live and artificial feeding systems.
- Collection and analyzing of zooplankton and phytoplankton from the Abu Alabyad Island surrounding waters that are high potential for breeding of marine finfishes and shrimps for the isolation and laboratory testing of such production.
- Marine finfishes and shrimps diseases diagnosis and treatment for protection.
- Conducting of experimental cultures in the laboratory for the proven species of marine microalgae, rotifers and copepods for marine fishes and shrimps production and mass upscaling them out doors.
- Renovation and maintenance of Abu Alabyad Island Mangroves plants ecosystem, developing of the nurseries and planting of new areas.

**Other activities:**

- Following up the new projects constructions to ensure the progress as per designed.

- Participated in the published researches and experiments carried out by the AMSC technical staff in the marine finfishes, freshwater fishes, marine shrimps breeding and farming under different conditions.
- Successfully isolated from the Island surrounding seawater microalgae (green and brown microalgae) for the species (*Nannochloropsis sp.*, *Tetraselmis sp.*, *Chlorella sp.*, *Chaetoceros spp.* and *Isochrysis spp.*), zooplankton spp. (copepods) associated with marine finfishes and shrimp production.
- Responsible of the management of different sections of the project and development of the technical and administrative plans to meet the furniture of the better productivity by assessing the requirements of the project of the fixed assets , operational materials and manpower from different places in the world.
- Completely responsible of human resources at the AMCS, assessing the requirements of the technical staffs, labors needed for current and under constructions projects according to the need of each of their sections, beside the issue of training programs for the labors and arranging periodic holidays for employee without affecting the continuity of work, from the beginning of the new year.
- Preparation of reports, proposals, feasibility studies of new projects and manuscripts.
- Supervising of the fiberglass unit for the fabrication of the floating cages, tanks, boats and other models required for the production.
- Supervising of the general maintenance unit for pumps, electricity and pipefitting.

## Training Courses and Workshops

- ❖ (December 5-12, 2007): Workshop **on the production of live food for feeding marine finfish and Prawns larvae** - Arab Organization for Agricultural Development in collaboration with the Ministry of Environment and Water in the United Arab Emirates-**Marine Resources Research Centre (MRRC)-Um Alqeen Emirate.**
  - ❖ Training and workshops during the period (1994-1998): Participated in various studies done in the **Red Sea Coast of Sudan** as were included: part of the theoretical and training program of the **Faculty of Marine Sciences and Fisheries** plus the participation of some activities done on the coast by the scientific societies in the college during the summer holidays. the training programs:
    - ❖ Surveying for **algae and seagrass** distribution on the Sudanese Red Sea.
    - ❖ Farming of **pearl oyster *Pinctada margaritifera*** in **Dongonab Bay, Red Sea** in the northern coast and included methods of spats collection, growth rate studies and water quality.
    - ❖ Study of the **Mangrove environment** included: the collection and analysis of samples of plants, the definition of species and associated organisms.
    - ❖ Surveying for **shrimp fisheries** in the region south of the **Sudanese Red Sea coast** for the selection of shrimp sites of new and proposed farms.
    - ❖ Study of the quantitative and qualitative of the **Sangenib Island** (northeast cost of **Sudanese Red Sea coast**) **coral reefs** and associated organisms.
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## **Personal Skills and Abilities**

- ✓ Pen designing (as per BAP standard regulations) of technical models for both fish and shrimp hatcheries, farms in ponds, tanks, floating cages made from different materials (HDPE, Fiberglass, steel and wood) and opened or closed systems associated to natural fisheries upgrading and able to manage up their technical breeding and farming plans and protocols for massive production of fish and crustaceans.
- ✓ Ability to work effectively in laboratory settings, which may include extended use of laboratory equipment (e.g., fume hoods, microscopes, etc.) or office equipment (e.g., computers, telephones, etc.).
- ✓ Ability to conduct theoretical and applied oceanographic research programs and expeditions to extend knowledge of the physical, chemical and biological properties and functioning of oceans.
- ✓ Ability to design for the different work equipment and operational materials budgets for the whole year and communicate with the suppliers locally and internationally to make sure that they meet the specifications and quantities.
- ✓ Ability to access and search for the relevant subjects in various sources (scientific journals, electronic sites and other), to communicate with expertise in the profession for regular updating of skills, techniques and the exchange of information to achieve quality and quantity in production.
- ✓ Ability to selection of suitable employment, training and rehabilitating them according to need.
- ✓ Ability to use the computer (MS office), the Internet, draw the designs and a background of the editing pictures using Photoshop and small videos editing using simple software.



- ✓ Highly motivated, Enthusiastic, presentable, ambitious, and productive and able to work on own initiative and a team leader.
  - ✓ Ability to controlling a team, assigning the tasks and motivating them to achieve deadlines reliably, safely and consistently, as well as fieldwork for long hours in different conditions and deal with the rapid best solution in case of emergencies with effective implementation and follow up
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## **Publications**

- Omer M. Yousif, Kumar K. Krishnankumar and **Abdul Fatah A. Rahman Ali 2016. Hatchery Techniques of Marine Finfishes and Shrimps at Abu Al abyad island - Dhabi Emirate (United Arab Emirate)**. A book Comprises three chapters; the first two chapters of the manual attempt to address, in an easy and simple way, the biology, broodstock management and various hatchery techniques of marine finfishes and shrimp raised at the Aquaculture and Marine Studies Center (AMSC), Abu Alabyad island . In the third chapter, the various methods of producing live food necessary for the larval stages of the fishes and shrimp are described. Abu Dhabi National Archives-ISBN 978-9948-18-512-3.
- Yousif O. M., Kumar Krishnankumar K. Menon, and **A-Fatah, A. A-Rahman 2015. Spawning, larval rearing and growth of the Silver Sillago, Sillago sihama (Forsskal 1775) in Abu Dhabi. World Aquaculture magazine. Vol. 46 No. 1,p 53-55, March 2015**
- Yousif O. M., Kumar Krishnankutty, **Abdul-fatah, A. Abdul-rahman 2014. Growth performance, feed efficiency and carcass composition of African**

catfish, *Clarias gariepinus* (Pisces: Clariidae) fingerlings fed diets composed of agricultural by-products. International Journal of Biosciences (IJB) <http://www.innspub.net>. ISSN: 2220-6655 (Print) 2222-5234(Online) Vol. 4, No. 10, p. 276-284, 2014.

- Omer M. Yousif, Kumar K.M. Krishnankutty and **Abdul Fatah Ali**. Preliminary Trials on the Reproductive Performance, Growth and Survival of the Giant Tiger Prawn, *Penaeus monodon* (Fabricius1798) under the Hypersaline Conditions of Abu Al Abyad Island, United Arab Emirates.

<http://en.engormix.com/MA-aquaculture/articles/preliminary-trials-reproductiveperformance-t3130/p0.htm>. Published on: 04/30/2014.

- Yousif O. M., Krishna M. K., Hung, B.V., **Ali, A-F, A** and Minh, D.V. 2012. Spawning and larval rearing of goldlined seabream, *Rhabdosargus sarba* on Abu Al Abyad Island. World Aquaculture magazine 43(2): 34-36.
- Yousif Omer M., Do V. Minh, Krishna K. Kumar, **Abdul-Fatah A. Abdul-Rahman** and Bui V. Hung. 2011. Spawning and larviculture trials of cobia, *Rachycentron canadum* (Linnaeus, 1766) in the United Arab Emirates. World Aquaculture magazine 42(1): 33-36.
- Yousif, O.M., **Fatah, A.A.**, Krishna, K., Minh, D.V., Hung, B.V. 2010. Induced spawning and larviculture of grey mullet, *Mugil cephalus* (Linnaeus 1758) in the Emirate of Abu Dhabi. Marine finfish Aquaculture network. Volume XV No. 1, January-March 2010.
- Omer M. Yousif, Krishna Kumar and **A. A. Abdul Rhman A. F. A**, 2009. Growth response of Cobia *Rachycentron canadum* (Pisces: *Rachcentridae*) under the hypersaline conditions of the Emirates of Abu Dhabi. Aquaculture Asia 2009, XIV (4):41-42.

- Omer M. Yousif, Krishna Kumar and **A. A. Ali**, 2009. First breeding of the spangled emperor, *Lethrinus nebulosus* (Forsskäl, 1775), in the United Arab Emirates. *World Aquaculture*, 40(3):22-24.
  - Omer. M. Yousif, K. Kumar and **A. A. Ali** 2005. Growth, performance, feed utilization, survival and body composition of Rabbit fish *Siganus canaliculatus* raise at two different stocking densities in sea net cages. *Emirates J. Sci.* 17 (2): 14-22.
  - Omer. M. Yousif, **A. A. Ali** and K. Kumar 2003. Spawning and hatching performance of the Silvery Black Porgy *Sparidentex hasta* under hypersaline conditions. *NAGA, World fish center Quarterly* vol. 26 No. 4 Oct-Dec. 2003: 13-15.
  - Omer. M. Yousif, K. Kumar and **A. A. Ali** 2003. Performance of white shrimp, *Penaeus indicus*, in highly pond waters. *World aquaculture*. Sep. 2003. Vol. 34 No. 3:54-56).
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## **References:**

- **Dr. Sayed M. Ali:** Red Sea Fisheries Research Center director- Sudan.-Red Sea-Port Sudan city.
  - Tel.: +249924463495
  - E. mail: [sayedmohamedali@hotmail.com](mailto:sayedmohamedali@hotmail.com)
- **Dr. Ahmed A. Hamad:** Aquaculture, Fisheries & Wildlife Sc. Dept. Director-College of Veterinary Medicine and Animal Production –Sudan University of Science and Technology- Khartoum Sudan.

- Tel.: +249911307483-+249122033590
  - E. mail: [alaabid5@hotmail.com](mailto:alaabid5@hotmail.com)
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## **Declaration**

I hereby declare that the information furnished above is true and correct to the best of my knowledge and belief.