

## Mustafa Soliman Mustafa

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### Education & Qualifications

**1993-1997. PhD.** Thesis entitled ‘The population dynamics of common gobies, *Pomatoschistuse microps* ‘Kroyer’ (Teleostei: Gobiidae) and their helminth parasite in the Usk Estuary, Wales U.K.’. (Samples of fish were taken from the estuary river, helminthes parasites were used as a tag for the movement of the fish and the effect of these parasites on the development of fish were also examined)

**1991-1993 M.Sc.** This was a course on terrestrial and marine ecology consisted of lecture, essays, tutorials, practical laboratory and fieldwork. In addition, research work and a thesis was prepared entitled ‘ The dog whelk, *Nucella Lapillus* L. on the Gower Peninsula, Wales, U.K. after the 1987 Tributyltin restrictive legislation’(Samples of *Nucella Lapillus* were taken from three different locations (healthy, and polluted sites), the samples were analyzed to confirm whether the ban of the use of Tributyltin in the sea shore restores the population of or the effect of Tributyltin substance on the reproduction system of *Nucella Lapillus*

**1981-1985 B.Sc.** ‘Environmental studies and sciences’, first Class, Faculty of Engineering and Technology, University of Sabha, Libya.

### Skills

Key personal strengths include establishing good working relationships with other people. Competent in all areas of teaching and supervising undergraduate projects, able to work effectively within a team and an able to both motivate and communicate with other team members.

In 1999-2000, I had course on teaching skills for graduate tutors and demonstrators within the University of Wales Swansea.

Worked in analytical laboratory as demonstrator using different instruments including Atomic Absorption, GIC, Mass spectrophotometer etc.

My research study as a postgraduate has allowed me to have a thorough understanding of environmental issues, specifically in relation to aspects of human health, marine, and air pollution

My training is mostly in the field of ecology; however, my research work employed a great deal of statistics analysis using SPSS package for windows. I also have a good command of word processing and spreadsheet packages. My other experience includes teaching of under

and postgraduate students (lecturing, practical class demonstration and tutorial groups), fluency in Arabic and English, administrative skills and a full English driving license. I have good organizational skills, which I have found useful in my capacity as a coordinator/ organization of several conferences throughout my experience. moderate experience in a genetic laboratory including a range of molecular techniques including *Streptomyces* cloning,

### **Work experience:**

**2018:** National consultant to update Libyan National Action Plan including National Baseline Budget (NBB) with UNEP (United Nation Environmental Program).

**2014- present:** Attend most of the Mediterranean partnership workshops with UNEP as national consultant and GEF OFP of Libya.

**4/2018- 9/2018** Consultant with Human Dialog Centre.

**2014- Present:** Management Committee member of the National Company of veterinary drugs and pesticides.

**2012-present**Expert with Global environmental facility based in Washington.

**2009-2012:**Postgraduate organizer of post graduate student in the environmental department at the Environmental Science department, Engineering and Technology Sciences College, University of Sabha,

**2004-present:**Teaching staff of undergraduate and postgraduate students in subjects of (General Ecology, Fresh water Ecology, plant Ecology and Marine Ecology subjects) at Environmental Science department, Engineering and Technology Sciences College, University of Sabha, Libya. Supervision of several MSc thesis.

**2004-2007:**Part time job as research assistance in Swansea University.

**2001-2004:**Research assistant in Molecular genetics Gene expression in *Streptomyces coelicolor* using a clone technology.

**2000-2001:**Research assistant experience in natural product research (Bio control agents for pest and disease control). This involves the trial of many entomogenous fungi against different insect pests. Different formulations of the fungi were used against various types and stages of insects. The research also includes both biochemical and genetic studies. Also supervising MSc student project.

**1999-2000:**Part time staff member for undergraduate students in statistical analysis using SPSS. University of Wales Swansea.

**1987-1991:**Demonstrator at the Faculty of Engineering and Technology, Sabha Libya in analytical chemistry laboratory, presenting the practical tutorial teaching assistant and field work to undergraduate students.

**1985-1987:** Secretary of reproduction committee at the Faculty of Engineering and Technology, University of Sabha, Libya. I was in charge of all internal affairs of employee and academic staff of the Faculty including accommodation, transport, food manufactory, green house production, and supervision of restaurant of academic staff and students.

### **Conferences, workshops and Poster**

- Since 2012, appointed as expert with Global Environmental Facilities, attended most of the GEF assembly and meeting around the world and involved in the cooperation between Mediterranean partnership with United Nation Environmental Program (UNEP).

- Expert Group meeting on cumulative Environmental Impact of desalination on the Mediterranean, 23 - 24 June 2014, Brussels, Belgium the "Sustainable Water Integrated Management - Support Mechanism (SWIM-SM)" Project funded by the European Commission, in coordination with UNEP-MAP.

- Regional meeting on pollution release and transfer registers (PRTR) and Pollution indicators, Ankara, 16-17 June 2014.
- Workshop on the exchange of experiences and planning for a regional program on the valuation of non-conventional water to maintain biodiversity and combating desertification and adaptation to climate change in arid regions. In Djerba, Tunisia from 10 to 12 December 2013.
- United Nation Climate Change Conference in Doha, Qatar. 26/11-07/12/2012.
- Member of scientific committee of international conference of biodiversity 16-18/11/2009. Science college, University of Sabha, Libya.
- Streptomyces* dissemination meeting, 22<sup>nd</sup>-23<sup>rd</sup> July 2003, University of Surrey Guildford.
- The susceptibility of native and exotic ticks to the entomogenous fungi *Metharhizum anisopliae* and *beauveria bassiana*. 4<sup>th</sup> International conference on ticks and tick-borne pathogens, TTP4. Banff, Canada, 21<sup>st</sup>–26<sup>th</sup> July 2002.
- Member organizing committee of the International Symposium of Bioactive Fungal Metabolites: Impact and Exploitation University of Wales Swansea 22<sup>nd</sup>–28<sup>th</sup> April 2001.
- General club meeting Horticultural Research International by British Mycological Society Rothamsted Harpenden, Hertfordshire September 2000.
- Member organizing committee of the First environmental science conference 27–30 September 1990. at the Faculty of Engineering and Technology, University of Sabha, Libya.

## Papers

M.Soliman, Fatma Abdelwahab and Amal Faraj. *Artemia Salina* Life cycle and it's relation to Ghaber Awoon Lake productivity. *Journal of Sebha University- (Pure and Applied Science)*. 2014.

M. Soliman, Amal Faraj and Fatma Abdelwahab. Spring and Summer distribution of crustacean *Daphnia* in Hajara Artificial lake in Sabha, Libya. *Journal of Sebha University- (Pure and Applied Science)*. 2014.

M.Soliman and B.L.James. Population dynamics of common gobies, *Pomatoschistus microps* and their parasitic worms in the Usk estuary, Wales, *Journal of Sebha University- (Pure and Applied Science)- P.117-146. Vol.8 No.1 (2009)*.

M.Soliman and B.L.James. The dog – whelk, *Nucella lapillus* (L.) on the Rocky Shores of Gower Peninsula, U.K. after the 1987 Tributyltin restrictive legislation. *Journal of Sebha University- (Pure and Applied Science)- P 32-42. Vol.9 No.2 (2010)*.

M .Ghrane and M.Soliman. Integrated Environmental Assessment (SEA) as an Example. *Fifth international Conference of Environmental and Development in the Middle east. March 21-23/2010 . Assiut. Egypt*.

E.Al Salman and M.Soliman and R Nahru. Ecology of Cyclops of Sewage Drainage Water in Sabha Lake, South of Libya. . *Journal of Sebha University- (Pure and Applied Science)* Accepted 14.01.2009.

M. Soliman and Amal Faraj. Bio-Physiochemical properties evaluation of Agricultural Drainage Water of Hummera Lake. *International Conference of Biodiversity, Sabha. 16-18 November 2009*.

K. Abolgassem and M. Soliman. Epilethic phytoplankton and physiochemical factors in some region of Brack- Elshatee. Libya. *International Conference of Biodiversity, Sabha. 16-18 November 2009.*

M. Soliman, A. Faraj and Z. Ali. Geographical distribution of the daphnia crustacean in the artificial Hajarrah Lake in Sebha, Libya. *Journal of Pure & Applied Sciences.* accepted 12-14/2/2018.

Z.Ali. M. Soliman and K. Abolgassem. Evaluation the growth of cultured tilapia in some different aquatic environment. 1<sup>st</sup> International Conference on Marine and Groundwater Pollution. 26/2/2018.

Physical and chemical properties of some aquatic habitat and it's suitability for aquatic talipia fish farming. *Journal of Pure & Applied Sciences.*

M. Al Ajwad and M. Soliman. Some physio-chemical evaluation of coast water of Tripoli. 1<sup>st</sup> National Conference on marine and Ground water Pollution. 26/2/2018.

Khalil Abulqasem Mohammed\*, Hamed Abdusalam Abdulrahim Mostafa Suliman Abdulhadi. Preliminary study of phytoplankton of the surface layer of Wadi Gan dam basin water. *Journal of Marine Sciences and Environmental Techniques.* Vol. 4, No. 1 (June - 2018).

### **Research interest**

Environmental ecology (this involves researches on Marine Biodiversity, community structure and population dynamics).

Molecular genetics of antibiotic-producing *Streptomyces* including gene expression in *Streptomyces coelicolor* programmed cell death in *Streptomyces lividans*

Biotechnology (to investigate the most virulent and effective strains of Fungi to control the pests of live stocks and human)

**Hobbies** Swimming, reading related to culture history and football.

### **Referees**

B.L.James BSc PhD DSc  
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