



Dr. Shawky's Curriculum Vitae

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Academic Qualifications

- **Doctor of Philosophy (Ph.D.) of Science, Botany** (Ecology, Flora and Taxonomy) **January 2015**
Faculty of Science, Mansoura University, Mansoura, Egypt.
Dissertation Title: { [Comparative Ecological Studies on Representative Areas of the Coasts of the Red and Mediterranean Seas, Egypt](#) }
- **Master of Science, Botany** (Ecology, Flora and Taxonomy) **December 2010**
Faculty of Science, Minia University, Minia, Egypt.
Dissertation Title: { [Comparative Ecological Studies on Xerophytes and Halophytes in Sinai Peninsula](#) }
- **Pre-Master** (Preliminary studies) in Plant Ecology and Taxonomy **June 2003**
Faculty of Science, Minia University, Minia, Egypt.
- **Bachelor of Science** (Botany) **June 2001**
Faculty of Science, Minia University, Minia, Egypt.

Official Declaration

- **Expert** (Plant Genetic Resources) **2016-2017**
Arab Organization for Agricultural Development, League of Arab States, Sudan
- **Researcher Doctor** (Plant Ecology and Taxonomy) **2015-Present**
Plant Ecology and Ranges Department, Egyptian Deserts Gene Bank, Desert Research Center, Egypt.
- **Researcher Assistant** **2012-2015**
Plant Ecology and Ranges Department, Egyptian Deserts Gene Bank, Desert Research Center, Egypt.
- **Assistant Researcher** **2003-2012**
Plant Ecology and Ranges Department, Egyptian Deserts Gene Bank, Desert Research Center, Egypt.
- **Demonstrator** **2001-2003**
Plant Ecology and Ranges Department, Egyptian Deserts Gene Bank, Desert Research Center, Egypt.

Research Interest

- Nature Conservation, Plant Genetic Resources, Plant Ecology, Flora, Biodiversity, Seed Bank dynamics,
- Environmental Risk Assessment of Climate Changes and Desertification.

Experience and Competence

Arab Organization for Agricultural Development (AOAD), United Nations

- Supervision of the Arab Network for Plant Genetic Resources on the website of (AOAD).
- Communicate with official focal points of the Arab Countries participating in the Arab Plant Genetic Resources Network.
- Writing periodic reports on the status of Plant Genetic Resources in the Arab Countries.
- Participate in the preparation of training courses in the Arab Organization for Agricultural Development.
- Participate in the preparation of the draft Arab agreement for the exchange of Plant Genetic Resources
- Participate in the preparation of the draft "Arab Guiding Law On Access To Genetic Resources and Related Traditional Knowledge and Sharing of the Benefits Arising from Their Use"
- Participate in the setup of the Arab Plant Genetic Resources Information System of the (AOAD).

Department of Plant Ecology and Egyptian Desert Gene Bank

- Scientific supervision and re-establishment of plant Ecology Unit, Plant Ecology Department Herbaria and Egyptian Desert Gene Bank Herbaria.
- Collecting wild plant genetic resources for Egyptian Deserts Gene Bank (EDGB) and National Gene Bank (NGB).

- Excellent in methods of vegetation, seed bank, soil and plant analysis, preparation and preservation of herbarium specimens.
- Environmental Risk Assessment for Salt Affected Lands, Desertification and Climate changes.

Teaching and Mentoring Experience

- Summer Training Research Program for Students in Egyptian Universities. (**Lecturer**)
- Teaching practical Botany and field work of environmental studies for Biology section in Faculties of Science, Education, Pharmacy and Dentist at Minia University.

Professional Activities

Conferences, Workshops & Symposia Participation

- A workshop on "Sustainable Management of Kharga Oasis Agro-Ecosystem in Egyptian Western Desert". Food and Agriculture Organization, United Nations, Regional Office in Egypt. 1-2 April 2018. (**Project Member**)
- A workshop on "Modern Methods of Development in the field of Plant Ecology and Ranges in the desert ecosystem". Desert Research Center, Cairo, 8 March 2018.
- A workshop on "Role of Medicinal and Aromatic Plants in Sustainable Development". National Research Center, Cairo, 24 May 2017. (**Trainee**)
- 1st International Conference on "Biodiversity and Sustainable Development". Faculty of Science, Helwan University in Cooperation with German Foundations Unions, Cairo, 15-16 October 2016. (**Attendee**)
- A workshop on "GIS in Agriculture and Environment". National Research Center, Cairo, 15 August 2016. (**Trainee**)
- International Workshop entitled "Climate Change and Combat Desertification for Agriculture Production in Egypt and China". National Research Center, Cairo, 27 April 2016. (**Trainee**)
- 6th Annual International Arab Workshop on Biotechnology entitled: "Plant Genetic Resources: Conservation, Documentation and Better Utilization". Academy of Scientific Research and Technology in Cooperation with Arab Biotechnology Association Federation of Arab Scientific Research Councils, Sudan; 24-25 August 2015. (**Trainee**)
- The International Conference on "Agriculture and Environment for Sustainable Development". National Research Center, Cairo, 25-27 May 2015. (**Speaker**)
- A workshop on "How to write a patent?". National Research Center, Cairo, 15 April 2015. (**Trainee**)
- 5th International Conference on "Energy System, Food, and Climatic Changes in the Arab Region". Cairo, 15-16 March 2015. (**Attendee**)
- Scientific Symposium about "Biodiversity in the Sinai Peninsula". National Research Center, Cairo, 23 November 2014. (**Trainee**)
- 1st International Conference on " Food and Agriculture: New Approaches". National Research Center, Cairo, 2-3 December 2013. (**Speaker**)
- 1st International Conference on "Strategy of Egyptian Herbaria". CAIM-Cairo, 9-11 March 2004. (**Attendee**)

International Activities

- International Training Workshop on "Technological Innovation and Management for Sustainable Development (for greener, safer & smarter world). 27-29 March 2018, Gwalior, Madhya Pradesh, India. (**Trainee**)
- A workshop on "Climate Change and Low-Carbon Development". 28 August-18 September 2017, Beijing, China. (**Trainee**)
- Forum of "The 5th Shenzhen international Low-Carbon City". 7-9 September 2017, Shenzhen, China. (**Attendee**)
- Sub-Forum of "South-South Cooperation on Climate Change". 7-9 September 2017, Shenzhen, China. (**Attendee**)
- A workshop on "Soil, Water Conservation and Combating Desertification for Arab Countries, 20 July- 9 August 2016, Yinchuan, Ningxia, China. (**Trainee**)
- A workshop on "Combating Desertification" in the Program of Desert Research Center in cooperation of Desertification Studies and Desert Reclamation Institute, Khartoum University, Sudan, 2015. (**Lecturer**)
- A workshop on "Combating Desertification Technique in Arid Lands", June 2013, Mersin, Konya, Turkey. (**Trainee**)

Training Courses

- "Advanced Statics analysis using SPSS". Research and Statics Studies Institute, Cairo University, Egypt. **March-April 2018**
- "Development of research skills and personality traits". Desert Research Center, Egypt. **February 2014**
- "English language proficiency course (TOEFL)". Center for English Language, Ain Shams University, Egypt, **December 2010**
- "Scientific Bases for Applied Biological Statistical Analysis". Desert Research Center, Egypt. **December 2008**
- "Aspects of the deterioration of agriculture in desert areas and newly reclaimed land and the reduction of it". Desert Research Center, Egypt. **May 2005**
- "Herbarium and Egyptian Flora". Faculty of Science Ain Shams University Egypt. **June 2004**

Selected Projects

- Sustainable Management of Kharga Oasis Agro-Ecosystem in Egyptian Western Desert. **2018**
- Monitoring and Combating Desertification in Egypt. **2011-2017**
- Rehabilitation of Mangrove Forests on the Red Sea Coast, Egypt **2017-Now**
- Optimum Utilization of Halophytes Products Growing on The Red Sea Coast and Some Valleys in The Red Sea Governorate. **2015-2016**
- Using of satellite imagery of high spatial accuracy to assess the impact of *Prosopis juliflora* (Sw.) DC invasion on the desert grasslands in southeastern Egypt. **2013-2014**

Member

- Egyptian Botanical Society
- Arab Union for Sustainable Development & Environment (AUSDE)
- Scientists Syndicate
- Egyptian Society for Experimental Biology

Skills

A) Tasks and Planning

- Organize tasks effectively and Planning Research
- Knowledge of maintaining safe workplace practice and requirements of health and safety legislation.

B) Computer

- Excellent skills in office program package (Word, Excel and Power point).
- International Computer Driving License (ICDL) and Internet browsing.
- Statistical analysis using M-stat, Co-stat software, SPSS, Minitab, CANOCO and TWNSPAN software.

C) Languages

- **Arabic:** Mother tongue
- **English:** Working language (Fluent Spoken, Reading and Writing)

References

- Prof. Dr. **Naiim Moselhy**, President of Desert Research Center, Egypt, Focal point of the UNCCD.
Tel.: +201111144356 **E-mail:** naem20042001@yahoo.com
- Prof. Dr. **Samy Abdallah**, Consultant of Environment, Prince Sultan Bin Abdul-Aziz Center for Environmental Research and Studies, King Khaled University, Saudi Arabia
Tel.: +966557564740 **E-mail:** samyabdallah@gmail.com
- Prof. Dr. **Khalil Abu Afifa**, Expert of Forests, Arab Organization for Agricultural Development (AOAD), League of Arab States, Jordan Office
Tel.: +966557564740 **E-mail:** khalilabuafifa@gmail.com

List of publications

Further publications:-

- Effect of Edaphic Factors on The Zonation of Vegetation in Some Littoral and Inland Salt Marshes of Egypt. **Ramadan, A. Shawky**. International Training Workshop on Technological Innovation And Management For Sustainable Development (For Greener, Safer & Smarter World) 27-29 March 2018; Gwalior, Madhya Pradesh, India.
- Size Structure and Floristic Diversity of Acacia trees population in Taif Area, Saudi Arabia. Mosallam A. Hosny A, **Ramadan A. Shawky** and Ahmed A. Hashim, Research Article: Journal Biodiversity and Endangered Species, 6(1): 210; 1-7. 2018.
- Vegetation-Soil Relationship Associated with *Moringa peregrina* (Forssk.) Fiori. Population in Egypt. Maimona, A. Kurd; Ahmed, A. El-Khouly; **Ramadan, A. Shawky** and Nessrien, M. Hamadallah. Journal of Environmental Sciences, 46(2): 121-136. 2017.
- Floristic Features and Vegetation Structure of Salt Affected Lands at the North Nile Delta, Egypt. Yasser, A. El-Amier and **Ramadan, A. Shawky**. Journal of Environmental Sciences, 46(1): 71-88. 2017.
- Plant species diversity of some wadis at Red Sea Coast, Egypt. **Ramadan A. Shawky** and Ahmed A. El-Khouly. Journal of Botanical Science; 6(2): 25-35. 2017.
- On the Ecology and Role of the Wild Flora In The Sustainable Development of The Deltaic Mediterranean Coastal Desert, Egypt. Mahmoud, A. Zahran; Yasser, A. El-Amier and **Ramadan, A. Shawky**. International Journal of Life Sciences and Technology, 10(5): 45-59. 2017
- Natural Vegetation of the Egyptian Deserts: Ecology and Economic Potentialities Mahmoud, A. Zahran; Yasser, A. El-Amier and **Ramadan, A. Shawky**. Journal of Environmental Sciences, 45(3-4): 269-282. 2016.
- Vegetation-soil Relationship in Sidi Abd El-Rahman Sector, Western Mediterranean Coast, Egypt. M. A., Zahran; A. M., Ahmed; A. M., Abd El-Gawad and **R. A., Shawky**. Egyptian Journal of Botany, 53(2): 307-324. 2013.
- Assessment of Vegetation and Nutritive Value of Three Halophytes in the Sinai Peninsula, Egypt. Barakat, N. A.; Zahran, M. A.; Nassar, Z. M and **Shawky, R. A.** Egyptian Journal of Desert Research, Desert Research Center Bulletin, 60: 67-82. 2010.

Publications in press:-

- Distribution and population structure of *Avicennia marina* (Forssk.) Vierh in relation to the environmental gradient along the Red Sea coast of Egypt.
- Diversity of micro-flora and fauna nesting the plant cover in the coastal sand dune Habitat of North Western Coast, Egypt.
- Study of biodiversity and allelopathic activity of microorganisms and vegetation in natural and agro-ecosystems at Wadi El-Natron region.
- Impact of *Prosopis juliflora* (Sw.) DC invasion on the plant life in south eastern coastal desert of Egypt.
- Impact of altitudinal gradients and seasonal changes on physiological and genetic aspects of some natural plants growing in El-Shaib Mountain, the Eastern Desert.
- Effect of Protection and open grazing on the natural vegetation of El-Maktala sector, Sidi Barrani-Egypt.
- Vegetation - seed bank relationship and Microhabitats variation in a coastal ecosystem; case study: Wadi Naghamesh, North Western Coast of Egypt.