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## Amany Mohamed Elsayed Aboelkassem

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### ➤ **Personal Information:**

**Name** : Amany Mohamed Elsayed Aboelkassem.  
**Current job** : Lecture.  
**Birth date** : April, 1, 1978  
**Birth place** : Sohag, Egypt  
**Nationality** : Egyptian

### ➤ **Contact Information:**

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### ➤ **Academic qualifications:**

- B.Sc. of Environmental science, Very good degree (**May, 1999**), South Valley Univ. Sohag, Egypt.
- Pre-Master Diploma in Environmental science (**October 2006**), Grade: good, Environmental Science Dep. Faculty of Science, Alexandria University.
- Master of Science in Environmental Science of Biological Science (**February 2009**), Environmental Science Dep. Faculty of Science, Alexandria University.
- Ph.D in biological sciences (Plant Ecology), Botany Dep, Faculty of Science, Sohag University, Sohag, Egypt (**May 2012**).

### **Employment history:**

- Demonstrator (**July 2000-2009**): Full time at Botany Department, Faculty of science, Sohag University, Sohag, Egypt. (4 years out of it in USA from **January 2001 to July 2005**).
- Assistant lecturer (**February 2009 -April 2012**): at Botany Department, Faculty of Science, Sohag University.
- Lecturer (**April 2012 up to now**): at Botany Department, Faculty of Science, Sohag University.

### **Main Research interests:**

- Phytoremediation.
- Nanotechnology
- Analysis and Monitoring of Water quality
- Studies on employing the capability of aquatic macrophytes to remove heavy metals.
- Studies on heavy metals toxicity in plants.

- Protein profile changes in aquatic plants exposed to high concentrations of heavy metal.
- Studies on the response of antioxidant enzymes in aquatic plants.
- Hydroponic and wetland models construction.
- Plant Eco-physiology and plant responses to climate changes
- Biomonitoring and Bioindication
- Biodiversity Information Systems
- Gene Ecology
- Air quality management

## **Teaching courses**

### **Under graduate Courses:**

- Flowering plant taxonomy.
- Plant systematic and evolution.
- Flora.
- Plant community.
- Plant ecology.
- Plant Morphology.
- Plant Anatomy.
- Plant kingdom
- Palynology.
- Archegoniatae

## **Languages:**

**Arabic** : Native.

**English** : - Free English studies in USA (2001-2004)

- Fluent, Passed Local TOEFL exam (580).

**french** : Very good ((French course at faculty of art with score 189/200)

## **> Personal Skills:**

### **Computer courses:**

- (ICDL): IT-windows-word-excel-access-power point-internet
- (ICTP ): Basic Concepts of IT- Using Computer and Managing Files- Word Processing- Spreadsheets- Introduction to PC Maintenance and Protection- Presentation- Database- Information and Communication.
- Photoshop course.
- Image processing and analysis
- Computer based statistics: SPSS & Minitab 17 packages, Matlab, PCI.
- Photo editing: adobe Photoshop, Flash, moviemaker, macromedia Mx® group.
- GIS designing and analysis

### **English courses:**

- Local TOEFL test in sohag university with score (540).
- Training course for preparing to the international TOEFL test.

- Fourth level in English with excellent grade.

### **Workshops**

- Preparing of the teacher course
- Participated in the Accreditation and quality assurance
- Participated in the “**Agriculture of mushroom in unemployed spaces**” at Botany

Dep, Faculty of Science, Sohag University, Sohag, Egypt (**April 2006**).

- Participated in the workshop “**Environmental priorities of Sohag governorate over the next five years**”, Faculty of Science, Sohag University, (**December 2015**).

- Participated in the workshop “Attended and contributed to the workshop on “**Advanced Techniques in Molecular Biology**”, at central lab. of Genetics, Bot. dept., Fac. Of Science, Sohag University, (**April 2006**).

- Attended and contributed to the workshop on “**Medical and Environmental Applications of Nanotechnology**”, Bot. dept., Fac. Of Science, Alexandria University, (**1- 2 February, 2017**), Alexandria, Egypt.

### **Scholarships and awards**

- Scholarship of MAB YOUNG SCIENTISTS AWARDS – UNESCO, Dec. 2007

### **➤ Faculty and leadership development project:**

- Project of Modernization of the Existing Botany Education (MEBE).
- Development of active communication skills.
- The methods of scientific research.
- Development of active thinking skills.
- Development of active education skills.
- The use of technology in teaching
- Member of the Higher Studies Committee of the College for the year 2013-2014
- Member of the Committee on Cultural Relations for the year 2014-2016
- Member of the Committee for facilitating business in the Department of Plants.
- Supervision of students of the article and research from 2013 - until now
- Participation in the work of control and examinations in the College.
- Member of the Committee for the correction of courses for students of research Masters in Environmental Sciences Faculty of Science - University of Sohag.
- Teaching some of the master's courses in environmental sciences.
- Supervising scientific messages.

## ➤ **Member of Scientific associations and parties**

- Egyptian authority of Ecology (Sohag, Egypt).
- Union of Arab Biologists (Egypt).
- Member of Egyptian Botanical authority
- Member of the Environmental Protection Association (Sohag - Egypt)
- Member of the Egyptian Vegetable Association
- Member of the Scientific Association of Arab Biologists
- Member of the Current Plant Education Modernization Project (MEBE)
- Member of the African Development Association
- Member of the National Association for the development of human development indicators for children and women in Sohag
- Member of the National Association for the care of faculty members
- Member of Society Development Society and Environmental Protection in Sohag
- Member of the Egyptian Society of Botany
- Member of the Association of members of the university faculty
- Member of the Egyptian Society for Environmental Sciences
- Founding member of the Women's Secretariat of the Free Egyptians political Party
- Founding member of the Association for Egypt
- Member of the Organizing Committee of the First World Environment Congress in Sohag, 1998.
- Member of the special conference to present the vision for the development of Sohag Governorate 2012 at Sohag University.

## ➤ **List of conferences:**

1. **Amany aboelkassem.** Phytoremediation and Eco-physiological Approach to Monitor Lead and Cadmium Toxicity in Hydrophytes, The second international conferences on New Horizons in Basic and applied Science, 1-6 August 2015. Pp 46-47, Hurghada, Egypt.
2. **Amany aboelkassem.** International conference on pure and applied science. 28 -30 March, 2015, Luxor, Egypt.
3. Nadia Badr, Manal Fawzy, Ahmed El-Khatib and **Amany Aboelkassem.** Application of aquatic plant phytoremediation as green technology treatment of lead in polluted water. Conferences of OMICS Group. International summit on Past and Present Research Systems of Green Chemistry. 2014, USA.
4. **Amany aboelkassem,** Participated in the workshop "**Environmental priorities of Sohag governorate over the next five years**", Faculty of Science, Sohag University, 29 December 2015, Sohag, Egypt.
5. **Amany aboelkassem,** The first Annual Science day, Faculty of Science -Sohag University, 20 April, 2016, Sohag, Egypt.

6. **Amany aboelkassem**, Attended and contributed to the workshop on **Advanced Techniques in Molecular Biology, at central lab. of Genetics**, Bot. dept., Fac. Of Science, Sohag University, 1- 6 April, 2016, Sohag, Egypt.
7. **Amany aboelkassem**, Attended and contributed to the workshop on **Medical and Environmental Applications of Nanotechnology**, Bot. dept., Fac. Of Science, Alexandria University, 1- 2 February, 2017, Alexandria, Egypt.
8. **Amany aboelkassem**, The second Annual Science day, Faculty of Science - Sohag University, 19 April, 2017, Sohag, Egypt.
9. **Amany aboelkassem**, *Ceratophyllum demersum* as phytoremediator of lead under hydroponic conditions. The 1<sup>st</sup> International conference on Biological, Environmental Sciences Applications. 23 -25 March, 2017, Luxor, Egypt.
10. **Amany aboelkassem**. 2<sup>nd</sup>International conference on applied chemistry. 25 - 28 November 2017, Hurghada, Egypt.

### ► **Publications:**

- 1- El-Khatib, A. A., Hegazy, A. K., **Amany, M. A.**, 2011a. Induction of biomarkers associated with cadmium detoxification in aquatic species. *JES*, 7, 9-16.
- 2- El-khatib, A. A., Hegazy, A. K., **Amany, M. A.**, 2011b. Cadmium-induced response of protein profile and antioxidant enzymes in aquatic macrophyte *Myriophyllum spicatum* and *Ceratophyllum demersum*. *JES*, 8, 17-23.
- 3- Manal, A. F., Nadia, B. E., El-Khatib, A.A., **Amany, M. A.**, 2012. Heavy metal biomonitoring and phytoremediation potentialities of aquatic macrophytes in River Nile. *Environ. Monit. Assess.* 184:1753–1771.
- 4- A. A. El-Khatib , A. K. Hegazy, **Amany M. Abo-El-Kassem** (2014) *Bioaccumulation Potential and Physiological Responses of Aquatic Macrophytes to Pb Pollution, International Journal of Phytoremediation* 16:29–45
- 5- Naglaa Y. Abdallah, **Amany M. Aboelkassem**, Omer M. Elsheikh (2017) *Chemical Structure of Natural Products and Characterization of Secretory Tissue of Sweet Basil (Ocimum basilicum L.) Under Lead Stress. Journal of ecology of Health & Environment*, 5, No. 2, 57-64

6- El-Khatib, A. A., **Amany aboelkassem**, H. Elzayat (2018) Bio-monitoring of Radionuclides air pollution using physiological Responses of Urban Trees, *International Journal of Current Research* Vol. 10, Issue, 02, PP.65279 - 65286.

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**Thanks for giving me such Precious Time of yours**

*Amany aboelkassem*