

Amal Fadl Ahmed Abdelkader, Ph.D.

Address, City, Province: 6th Alnaam St., the branch of Mohamed Abdo St., Helmiyet Elzaitoun, Cairo, Egypt

Telephone: 002(02)22417952

Mobile: 01065080718

Postal Code: 11782

Email Address: Amal.abdelkader@sci.asu.edu.eg

PERSONAL DATA

DATE OF BIRTH:

12/05/1969

PLACE OF BIRTH

Al-Giza

LANGUAGES

Arabic -English

MARITAL STATUS

Married

CHILDREN

Two

PROFESSIONAL PROFILE/Experience

Associate Professor, from 31/07/2013 until present

Lecturer from 26/05/2008 until 31/07/2013

Lecturer Assistant from 28/03/2000 until 26/05/2008

Demonstrator from 26/10/1991 until 28/03/2000

Address: Botany Department, Faculty of Science, Ain Shams University, 11566, Abbassiae, Cairo/Egypt

SOCIETIES/MEMBERSHIPS

- The Egyptian Botanical Society 13/March/2013

COMMITTEES

The National Agency for Quality Assurance and Accreditation 2009

PUBLICATIONS

- 1) **Amal Fadl Abdelkader**, Henrik Aronsson and Christer Sundqvist (2010) Prolonged salt stress alters the ratios of protochlorophyllide spectral forms in dark-grown wheat (*Triticum aestivum*) and influences chlorophyll a accumulation following irradiation. Acta Physiologiae Plantarum Acta Physiologiae Plantarum (2010) 32:971–978. DOI 10.1007/s11738-010-0486-x.
- 2) **Amal Fdl Abdelkader**, Raifa Ahmed Hassanein, Mohamed Mahmoud Abo-Aly, Mohamed Said Attia and Esam Mohamed Bakir (2010) Screening the biosafety of wheat produced from pretreated grains to enhance tolerance

- 3) against drought using physiological and spectroscopic methods. Food and Chemical Toxicology. 48(7)1827-1835.
- 4) **Abdelkader Amal F**; Aronsson Henrik; Solymosi Katalin; Böddi Bela and Sundqvist Christer (2007) High salt stress induces swollen prothylakoids in dark-grown wheat and alters both prolamellar body transformation and reformation after irradiation. Journal of Experimental Botany, 58 (10):2553-64.
- 4) **Amal F. Abdelkader**, Henrik Aronsson and Christer Sundqvist (2006) High salt stress in wheat leaves causes retardation of chlorophyll accumulation due to a limited rate of protochlorophyllide formation. Physiologia Plantarum. 130:157-166.
- 5) **Amal Abdelkader** and Eman Abdelkader (2010) 'Studies on the level of antioxidant enzymes activities in drought-endemic plants and pesticides-stressed- Schefflera. Journal of Medicinal Plants Research Vol. Journal of Medicinal Plants Research Vol. 6(9), pp. 1596-1604
- 6) **Amal Abdelkader** and Mona Esawy (2011) Case Study of a Biological Control: *Geobacillus caldxylosilyticus* (IRD) Contributes to Alleviate Salt Stress in Maize (*Zea mays*) Plant. Acta Physiologiae Plantarum, 33 (6) 2289-2299.
- 7) **Usama Hawas**, Eman Ahmed, Amal Abdelkader and Hanan Ahmed Anwar Aly Taie (2011) Biological activity of flavonol glycosides from *Rumex dentatus* plant; an Egyptian Xerophyte. Journal of Medicinal Plants research, 5 (17) 4239-4243, 9 September, 2011
- 8) Raifa Ahmed Hassanein, **Amal Fadi Abdelkader**, AboBakr Ahmed El-Said Amin, and El-Sherbiny Mohammed Rashad, Heba Ali. (2012) Grain-priming and foliar pretreatment enhanced stress defense in wheat (*Triticum aestivum* var. Gimaza 9) plants cultivated in drought land. Australian journal of Crop Science. 6(1):121-129.
- 9) Ghada E. A. Awad, Walla A. Salam, Ahmed El-diwany, Bassem A. Salama, **Amal F Abdelkader**, Mona A. Esawy (2010). Keratinase production by *Bacillus pumilus* GHD in solid-state fermentation using sugar cane bagasse: optimisation of culture conditions using a Box-Behnken experimental design. Annals of Microbiology, 61(3) 663-672.
- 10) **Amal Fadi Abdelkader**, Raifa Ahmed Hassanein, Heba Ali (2012) Studies on effects of salicylic acid and thiourea on biochemical activities and yield production in wheat (*Triticum aestivum* var. Gimaza 9) plants grown under water stress. African Journal of Biotechnology. In press.
- 11) **Amal F. Abdelkader**, Sahar El-khawas, Nahla Amin Safaa El-Din El-Sherif, Raifa A. Hassanein, Rasha El-Sherif Hassan, Manal Asem Emam (2012) The expression of aquaporin gene (*Os PIP1*, 3) in salt-stressed rice (*Oryza sativa*) plants pretreated with the neurotransmitter (dopamine). Plan Omics Journal POJ 5(6):532-541 (2012).
- 12) **Amal Fadi Abdelkader^{a*}** and Iman Abdullah Abdelhamid Farag (2012) Responses of Canola (*Brassica napus* L.) to doses of Gamma irradiation and planting dates and their effects on oil content and growth morphological traits. Journal of Experimental Biology. Submitted..
- 13) **Amal F. Abdelkader**, Henrik Aronsson, K. Solymosi, Bela Böddi, Christer Sundqvist (2008) Chlorophyll accumulation, protochlorophyllide formation and prolamellar body conversion are held back in wheat leaves exposed to high salt stress 2008. In: Allen JF, Gantt E, Golbeck JH, Osmond B(eds) Proceeding of the 14th international Congress on Photosynthesis, Glasgow, Scotland, July 22-27 2007, pages 1139-1142

PROFESSIONAL DEVELOPMENT

Academic Courses/Books

January	2003	Funktionell Växtanatomi
March	2003	Pigment – protein complexes
May	2003	Integrative Plant Anatomy

August	2003	Plant Physiology
November	2003	Introductory Course for PhD Students
March	2004	Plant Biotechnology
July	2004	Biotic stress and signaling
November	2004	Teaching Science at undergraduate level
May	2006	Photosynthesis during leaf development
June	2006	Academic writing
August	2006	Determination of Osmolarity in plant tissues
September	2006	Electron Microscopy 6-15, Hungary, Budapest
February	2007	Chloroplast Biogenesis from Proplastis to Gerontoplast
February	2007	Abiotic Stress Tolerance in Plants
June	2007	Practical Application of Chlorophyll Fluorescence in Plant Biology
June	2007	Seminars and international conferences
June	2007	Molecular Mechanism of Photosynthesis

Pedagogical courses/Conferences

November	2007	Applying technology in education 6 - 8
November	2007	Scientific Publications 13 – 15
November	2007	Accreditation of the teaching process 17 – 19
November	2007	Communicational skills in teaching 24 - 26
April	2008	The credit hours system 12 – 14
April	2008	Exams and students assessment 15 – 17
July	2009	The 8th international internet education conference. (<i>conf</i>)
Dec	2011	A roadmap for higher education and scientific research in Egypt, future outlook. (<i>conf</i>)
Jan	2012	Self assessment and evaluation in higher educational bodies
Jan	2012	The first international conference on Sinai for new Egypt
Feb	2012	Course specification and matrix designing
May	2012	The External Referee
April	2013	Towards Green Economy (<i>conf</i>)
Feb	2014	The strategic Planning
April	2014	Disciplines, the interdisciplinary studies and the needs of the labor markets (<i>conf</i>)

Funded Projects

Project (1)

Title: Establishment of the Association for the Rehabilitation of graduates to the labor market Date:17/02/2014

Author: Amal F Abdelkader

Grant givers: The management unit for supporting the Development of higher education projects.

Project (2)

Title: Development of Applicable Plant Physiology Diplome.

Author: Amal Abdelkader

Co-authors :Sahar Elkhawas, Raifa Ahmed Hassanein.

Grant givers: The management unit for supporting the Development of higher education projects.

Supervision:

Supervisor of two PhD theses and one MS.c thesis.

Other Activities:

- 1) Participated in "Program of Continuous Improvement and Quality Assurance" from 2009 until present
At: Faculty of Science, Ain Shams university, Abbassiae, Cairo/Egypt.
- 2) Coordinator of Faculty of Science in "Prizes awards" from 2013 till present
At: Faculty of Science, Ain Shams university, Abbassiae, Cairo/Egypt.