

King Faisal University
Collage of Science
Biological Sciences Dept



جامعة الملك فيصل
كلية العلوم
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PERSONAL

Name: Ashraf Mohamed Abbass Metwally

Date of birth: 03/01/1964

Marital status: Married

Job: Assistant Professor of Plant Physiology and Biochemistry

Address: Biological Sciences Department, Faculty of Science,
King Faisal University P.O. 380, Al-Hufouf 31982, Saudi
Arabia

EDUCATION

1- Ph. D. degree from Bielefeld University, Germany (2/2003)

2- M. Sc. degree from Assiut University, Egypt (1/1990)

3- B. Sc. degree from Assiut University, Egypt (6/1985)

WORK EXPERIENCE

1- Associate Professor of Plant Physiology and Biochemistry
(11/2008 - now)

2- Assistant Professor of Plant Physiology and Biochemistry
(5/2003 – 11/2008)

3- Assistant Lecturer (2/1990 – 5/2003)

4- Demonstrator (11/1985 – 2/1990)

INTERESTS

Stress physiology mainly metals toxicity and nutritional disorders
in plants.

SKILLS

Some computer skills as MS Office (Word, Excel, PowerPoint),
Grafit and SPSS

PROFESSIONAL MEMBERSHIP

1- Member of Egyptian Botanical Society

2- Member of Scientists Syndicate of Egypt

GRANTS

1- Grant from Egyptian government to complete my Ph. D. in
Germany (1/1998-3/2003).

2- Postdoctoral fellowship from Japanese Society for Promotion
of Science (JSPS) (11/2007- 11/2009).

LIST OF PUBLICATIONS

- 1- Azooz MM, **Metwally A** and Abou Alhamd MF (2015): Jasmonate-induced tolerance of Hassawi okra seedlings to salinity in brackish water. *Acta Physiologia Plantarum* 37(4): 1-13.
- 2- Radi A Abeer, **Metwally A**, El-Shazoly M Rasha and Hamada M Afaf (2014): Exogenous calcium, silicon and salicylic acid confer boron toxicity stress tolerance in canola (*Brassica napus* L.) by modulating antioxidant defense system. *Egypt. J. Exp. Biol. (Bot.)*, 10(2): 143 – 154.
- 3- **Metwally A**, El-Shazoly R and Hamada A (2012): Effect of boron on growth criteria of some wheat cultivars. *Journal of Biology and Earth Sciences* 2 (1): B1 - B9.
- 4- Hamada A, **Metwally A** and El-Shazoly R (2012): Amelioration of extreme temperature stress in alfalfa seedlings by vitamin C and vitamin B₆. *Acta Agronomica Hungarica* 60 (1): 57-70.
- 5- **Metwally A** (2007): Differential response of two flax genotypes to Cd toxicity. *Assiut University Journal of Botany* 36 (2): 151-164.
- 6- **Metwally A**, Ramadan T, and Abdel-Basset R. (2007): Foliar spraying of glycolate enhanced growth of *Helianthus annuus* L. *Assiut University Journal of Botany* 36 (2): 139-150.
- 7- Rivera-Becerril F, **Metwally A**, Martin-Laurent F, van Tuinen D, Dietz K-J, Gianinazzi S and Gianinazzi-Pearson V (2005): Molecular responses to cadmium in roots of *Pisum sativum* L. *Water, Air and Soil Pollution* 168: 171-186.
- 8- Rivera-Becerril F, van Tuinen D, Martin-Laurent F, **Metwally A**, Dietz K-J, Gianinazzi S and Gianinazzi-Pearson V (2005): Molecular changes in *Pisum sativum* L. roots during arbuscular mycorrhiza buffering of cadmium stress. *Mycorrhiza* 16 (1): 51-60.
- 9- **Metwally A**, Safronova VI, Belimov AA and Dietz K-J (2005): Genotypic variation of response to cadmium toxicity in *Pisum sativum* L. *Journal of Experimental Botany*, 56 (409): 167-178.
- 10- **Metwally A**, El-Enany AE and Dietz K-J (2004): Modulation cadmium or copper toxicity in barley seedling with salicylic acid. *Proceedings, Egyptian Botanical Society Conference, Stress in Plants, Ain Shams University, Cairo, March 3rd*, 111-123.
- 11- Sharma SS, Kaul S, **Metwally A**, Goyal KC, Finkemeier I and Dietz K-J (2004): Cadmium toxicity to barley (*Hordeum vulgare*) as affected by varying Fe nutritional status. *Plant Science* 166 (5): 1287-1295.
- 12- **Metwally A**, Finkemeier I, Georgi M and Dietz K-J (2003): Salicylic acid alleviates the cadmium toxicity in barley seedlings. *Plant Physiology* 132: 272-281.
- 13- Finkemeier I, Kluge C, **Metwally A**, Georgi M Grotjohann N and Dietz K-J (2003): Alterations in Cd-induced gene expression under nitrogen deficiency in *Hordeum vulgare*. *Plant, Cell & Environment* 26 (6): 821-833.

- 14- Abdel-Malek AY, Abdel-Kader MIA and **Metwally A** (1994): Effect of glyphosate on fungal population, respiration and decay of organic matter in Egyptian soil. *Microbiological Research* 149: 69-73.
- 15- Abdel-Malek AY, Abdel-Kader MIA and **Metwally A** (1992): Selective effects of the fungicide copper oxychloride on fungal flora, respiration and decay of some organic matters in soil. *Sohag Pure and Applied Science Bulletin* 8: 169-180.