

King Faisal University
Faculty of Science
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| PERSONAL | Name: Ashraf Mohamed Abbass <u>Metwally</u> 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- Lecturer 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- **Metwally A** and Azooz MM (2014): Response of wheat (*Triticum aestivum* L.) seedlings to ZnO nanoparticles. *In preparation*.
- 2- Azooz MM and **Metwally A** (2014): Jasmonic acid enhances Hassawi okra seedlings tolerance to sub-lethal seawater stress. *Submitted*.
- 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- 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.
- 13- **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.
- 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.