

Curriculum Vita

Personal Data:

Name: **Talaat Bashandy Ahmed ISMAIL**
Date of birth: 29-10-1975.
Place of birth: Balat, The New Valley, Egypt.
Nationality: Egyptian
Gender: Male
Marital Status: Married, two children.
Current Job: lecturer in Genetics Department, Agriculture Faculty of the New Valley branch, Assiut University, Egypt.
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Scientific qualification:

2007- 2010: **Ph.D degree**, titled “ [Analysis of a double thioredoxin reductase mutant in *Arabidopsis thaliana*: Study of functional redundancies between dithiol/disulfide regulations pathways](#) ”, laboratoire de Génome et Développement des Plantes, Perpignan University, Perpignan, **France**.
2004: **Master’s degree**, titled “[Genetic Studies on *In Vitro* Bread Wheat Tissue Culture](#)”, Agriculture Faculty, Minia University, El-Minia, **Egypt**.
1998: **Bachelor’s degree**, Genetics Department, Agriculture Faculty, Assiut University, **Egypt**.

Professional academic career:

August, 2012 to date: **Lecturer**, Genetics Department, Agriculture Faculty of the New Valley branch, Assiut University, Egypt.
April, 2011-July, 2012: **Lecturer**, Genetics Department, Agriculture Faculty, South Valley University, Qena, Egypt.
May, 2004-March, 2010: **Assistant Lecturer**, Genetics Department, Agriculture Faculty, South Valley University, Qena, Egypt.
1999- April, 2004: **Demonstrator**, Genetics Department, Agriculture Faculty, South Valley University, Qena, Egypt.

Experience:

A- Participate in the following Conferences and symposiums:

- 1- ICABBBE 2012: International Conference on Agricultural, Biotechnology, Biological and Biosystems Engineering. **The role of NADP-Linked Thioredoxin and glutathione on the auxin response in *Arabidopsis***. November 14-16, 2012, Venice, **Italy**.
- 2- 20th International Conference on Plant Growth Substances. **Interplay between Redox and Auxin signaling in *Arabidopsis***. 28th June to 2 July 2010. University of Rovira i Virgili, Tarragona, **Spain**.
- 2-Redoxins 2009 meeting, Interplay between NTR/TRX and GSH thiol reductions systems

and auxin signaling, 19-21 August 2009, Perpignan, **France**.

3-2nd languodoc Roussillon-Catalogne meeting on plant integrative biology: Molecular and genetic aspects on plant development and their response to stress, Interplay between thioredoxin and glutathione pathways in plant development, 5-6 March 2009, Roses, **Spain**.

4-International symposium “Glutathione and related thiols in microorganisms and plants”, 26-29 August 2008, Faculté de pharmacie de Nancy, **France**, <http://www.thiolmicrob.uhpnancy.fr>

5-1st languodoc Roussillon-Catalogne meeting on plant integrative biology: Molecular and genetic aspects on plant development and their response to stress, Banyules sur mer, 3-4 December 2007, **France**.

6-The International Conference of Genetic Engineering & its Applications, 8-11 April 2004, Sharm El-Sheikh, **Egypt**.

B- Training course to learn “Redox proteomic techniques”, in Bob B Buchanan laboratory, Department of plant and Microbial Biology, University of California, Berkeley, **USA**. From June 22 to July 31, 2009.

C- Teaching of genetic courses for undergraduate students of Agriculture, Veterinary, Science and Education Faculties (from 1999 till now).

PUBLICATIONS:

(1) **Bashandy, T.**; Meyer, Y. and Reichheld, J-P. (2011). Redox regulation of auxin signaling and plant development in *Arabidopsis*. *Plant Signal Behav.*, 6 (1): 117-119.

(2) **Bashandy, T.**; Guillemot, J.; Vernoux, T.; Caparros-Ruiz, D.; Ljung, K.; Meyer, Y. and Reichheld, J-P. (2010). Interplay between the NADP-linked thioredoxin and glutathione systems in *Arabidopsis* auxin signaling. *Plant Cell*, 22: 376-391.

(3) Reichheld, J-P.; **Bashandy, T.**; Siala W.; Riondet, C.; Vignols, P. and Meyer, Y. (2009). Redundancy and Crosstalk Within the Thioredoxin and Glutathione Pathways: A New Development in Plants. *Advances in Botanical Research*, 52: 253-276.

(4) **BASHANDY, T.**, TACONNAT, L.; RENOUE, J.P; MEYER, Y. and REICHHELD, J.-P. (2009). Accumulation of flavonoid in *ntra ntrb* mutant leads to tolerance to UV-C. *Molecular Plant*, 2: 249–258.

(5) MEYER, Y.; WAFI, S.; **BASHANDY, T.**; RIONDET, C.; VIGNOLS, F. and REICHHELD, J.-P. (2007). Thioredoxins and Glutaredoxins in Plants. *BBA-Molecular Cell Research*, 1783(4), 589-600.

(6) El-Sherbeny G. A. R.; Ahmed K. Z.; Ragab R. A. and **BASHANDY, T.** (2005a). Response of Egyptian bread wheat to *in vitro* techniques I- Immature Embryos Culture and Plant Regeneration. *Assiut J. Agric. Sci.*, 36: 73-89.

(7) El-Sherbeny, G. A. R.; Ahmed, K. Z.; Ragab, R. A. and **BASHANDY, T.** (2005b). Response of Egyptian bread wheat to *in vitro* techniques II- Isozyme Studies in Callus Cultures and Regenerated plants. *Assiut J. Agric. Sci.*, 36: 91-105.

(8) Ahmed, K. Z.; El-Sherbeny, G. A. R.; Ragab, R. A. and **BASHANDY, T.** (2005). Response of Egyptian Bread Wheat to In Vitro Techniques III- Immature inflorescences culture and plant regeneration. In Proceeding of The 7th Conference of the African Crop Science Society, 5 to 9 December 2005.

(9) Ahmed, K. Z.; El-Sherbeny, G. A. R.; Ragab, R. A. and **BASHANDY, T.** (2004). Optimization of conditions for regeneration, DNA delivery and transient GUS expression in mature embryos of elite Egyptian bread wheat cultivars using *Agrobacterium tumefaciens* mediated transformation system. In Proceeding of the International Conference of Genetic Engineering & its Applications, 8-11 April 2004, Sharm El-Sheikh, Egypt, pp: 87-101.