

Curriculum Vitæ

Personal Data

Name: *Walid Mahmoud Mohamed Ali Abu El-Soud*
Date of birth: *5 June 1975*
Gender: *Male*
Citizenship: *Egyptian*
Mailing address: *Botany Dept., Faculty of Science, Cairo University
El-Gamma st., 12613, El-Giza, Egypt*
Occupation: *Assistant Professor at Botany Dept., Faculty of Science, Cairo University*
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Education

2003 – 2007: Doctor degree in Biochemistry and Molecular Biology (very good), Faculty of Natural Sciences – Institute of Molecular Biology - University of Innsbruck – Austria
Title: “Characterization of histone modifying enzymes and their substrates in maize”
1997 – 2001: Master’s degree in Plant Physiology – Botany Dept., Faculty of Sciences - Cairo University
Title: “Allelopathic potential of *Acacia nilotica* tree leaves on the metabolic changes of pea (*Pisum sativum*)”
1996 – 1997: Postgraduate courses in Plant Physiology (Distinction grade), Faculty of Sciences, Cairo University
1992 – 1996: Bachelor degree in Botany (Distinction grade) - Botany Dept., Faculty of Sciences - Cairo University

Employment History

July 2007 – until now Assistant Professor at Botany Department, Faculty of Science, Cairo University.
Jan. 2008 – March 2008 JSPS Postdoc fellowship at the Structural Biology Center - High Energy Accelerator Research Organization (KEK, <http://pfweis.kek.jp/eng/index.html>) - Japan
March 2007 – June 2007: Guest researcher at Institute of Molecular Biology - University of Innsbruck – Austria
August 2007 – Jan. 2008: Part time member of the “Quality and Accreditation Assurance Center” at Cairo university, the technical support unit.
2001 – July 2007: Assistant lecturer at Botany Department, Faculty of Science – Cairo University.
1997 – 2001: Instructor – Botany Department, Faculty of Science – Cairo University.

Teaching Experience

Courses for B. Sc. students:

- Plant Physiology I & II
- Protein Purification Methodology
- Stress Plant Physiology
- Plant Growth Regulators and Plant Tissue Culture
- Molecular Biology

Courses for Microbiology Diploma students:

- Molecular Biology

Skills

Biochemical techniques:

- Protein extraction and purification
- FPLC protein chromatographic techniques: ion-exchange, affinity, hydrophobic interaction, size exclusion.
- Electrophoresis: Protein SDS-PAGE, native PAGE, and isoelectric focusing.
- Protein pull-down and immunoprecipitation.
- Western and Northern blotting
- Overexpression of proteins in prokaryotic and baculovirus (eukaryotic) systems.
- Histone deacetylases and methyltransferases assays.

Molecular Biology techniques

- RNA extraction and cDNA synthesis
- RNA and DNA agarose gel electrophoresis
- Gene Cloning
- Polymerase Chain Reaction (PCR).
- DNA/RNA agarose gel electrophoresis.
- Bacterial transformation.

Plant tissue culturing

Some experience in protein crystallization

Basic knowledge of Bioinformatics

Languages: Arabic (mother tongue)
English (very good)
German (basic)

Publications

Abu El-Soud, W., Hegab, M. M., AbdElgawad, H., Zinta, G., Asard, H. (2013): “Ability of Ellagic Acid to Alleviate Osmotic Stress on Chickpea seedlings”. Accepted in *Plant Physiology and Biochemistry*

S. M. Al-Wakeel; M. M. A. Gabr, W. M. **Abu-El-Soud**, A. M. Saleh (2013): “Coumarin and salicylic acid activate resistance to *Macrophomina phaseolina* in *Helianthus annuus*”. *Acta Agronomica Hungarica*: Vol. 61 (1), pp. 23-35

Mervat S. Mohamed, Walid **Abu El-Soud** and Magda F. Mohamed (2011): “Cloning and expression of the recombinant NP24I protein from tomato fruit and study of its antimicrobial activity”. *African J. Biotechnology*: Vol. 10 (65), pp. 14276-14285

Delphine Gourcilleau, Marie-Béatrice Bogeat-Triboulot, Didier Le Thiec, Clément Lafon-Placette, Alain Delaunay, Walid **Abu El-Soud**, Franck Brignolas and Stéphane Maury (2010): “DNA methylation and histone acetylation: genotypic variations in hybrid poplars, impact of water deficit and relationships with productivity”. *Ann. For. Sci.* 67(2) DOI: 10.1051/forest/2009101

Al-Wakeel, S.A.M., Gabr, M.A., Hamed, A. A. and **Abu El-Soud**, W. M. (2007): “Allelopathic effects of *Acacia nilotica* leaf residue on *Pisum sativum* L.”. *Allelopathy J.* 19(2): 411 - 422

Adisa Causevic, Marie-Véronique Gentil1, Alain Delaunay, Walid **Abu El-Soud**, Zacarias Garcia, Christophe Pannetier, Franck Brignolas, Daniel Hagège1 and Stéphane Maur (2006): “Relationship between DNA methylation and histone acetylation levels, cell redox and cell differentiation states in sugarbeet lines”. *Planta* 224(4).

“The Allelopathic Effect of *Acacia nilotica* leaves residue on some metabolic activities of *Pisum sativum* L. seedlings” presented in the 6th International Conference of the Arab Biologists Union held 8 – 10 November, 1999 at Faculty of Sciences, Cairo University

Workshops and Conferences

- 14-16 December 2009 “Thermodynamically Unstable Proteins: Chance or Necessity” workshop organized by ICTP, Trieste - Italy
- 19-21 November 2009 8th SESAME User’s Meeting – applications of Synchrotron in Biological Sciences. Petra - Jordan

Other Activities

- Jan 2009 until now Member of the monitoring team of the **PCIQA** project (Program of Continuous Improvement and Qualification for Accreditation in higher education institutes) (<http://www.qaap.edu.eg/>) – Ministry of Higher Education – Egypt.
- November, 2010 Member of the organizing committee for first “International Biotechnology Innovation Conference, IBIC” hold at Cairo University during 21st to 23rd November, 2010
- March, 2009 Member of the organizing committee for the “**The Biotechnology Day**” hold at Cairo University, 28 March 2009.

November, 2008

Member of the organizing committee for the “**SESAME-JSPS School & SESAME 7th users’ meeting**” hold in Cairo University, November 17 – 22, 2008 (<http://www.sesame.asrt.sci.eg/sesameevents.html>), under the umbrella of ASRT (Academy of Scientific Research and Technology)

References:

References will be given upon request