



Botany Department
Faculty of Science

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



CURRICULUM VITAE

of

Prof. Dr. Abdel Wahab . E. El-Enany

1-Personal Details

Surname	Abdel Wahab
Other name	El-Sadek
Title	Professor
Gender	Male
Adress	Department of Botany, Faculty of Science, Assiut University
Post code	71516
Telephone No	Office: 0882412374 Home:0882342138 Mobile:0167995536
E-mail	Enany203@yahoo.com
Date of Birth	13/08/1959
Place of Birth	Qena, Egypt

2-Education

College/ University	Dgree obtained	Dates (From-to)
Faculty of Science, Assiut University	Ph. D Botany (Physiology)	1986-1992
Faculty of Science, Assiut University	M. Sc. Botany (Physiology)	1981-1986

Faculty of Science, Assiut University	B. Sc. (Botany)	1977-1981
---------------------------------------	-----------------	-----------

4-Employmen History

Employer	Position	Dates (from-to)
Department of Botany, Faculty of Science, University of Assiut, Egypt	Professor of Plant Physiology and Biochemistry	2002-till now
Department of Botany, Faculty of Science, University of Assiut, Assiut , Egypt	Assistant Professor of Plant Physiology and Biochemistry	1997-2002
Department of Botany, Faculty of Science, University of Assiut, Assiut , Egypt	Lecturer	1992- 1997
Botany Department., Faculty of Science, University of Assiut, Assiut, Egypt.	Assistant lecturer	1986 - 1991
Department of Botany, Faculty of Science University of Assiut, Assiut, Egypt	Instructor	1981 - 1986

3- Training

Training Attended	Place	Dates
Workshop " principals of chromatography"	the National Research Centre, Cairo, Egypt	April, 1983
Workshop " Biochemical analysis and Food analysis"	Boehringer Manheim Company" Germany	<u>March,1990</u>
Workshop "Protein Molecular Biology Techniques"	Institute of Graduate Studies and Research, Alexandria University.	<u>December 1994</u>
WorkShop Education Methodology course	Assiut University	1983

5- Membership of Professional association

<u>Professional Body</u>	<u>Level of Member</u>	<u>Year of award</u>
<u>German Society of Plant Nutrition</u>	<u>Member</u>	<u>1998</u>
<u>The Egyptian Botanical Society</u>	<u>Member</u>	<u>1981</u>

Scholastic Awards :

.August-Nov.2002	DAAD research visit in Institute of Plant Physiology and Biochemistry, Bielefeld University, Bielefeld, Germany
July- August 1995:	DAAD research visit in Institute of Plant Physiology and Biochemistry, Tuebingen University, Tuebingen, Germany
Aug.1988 - Nov.1991:	Egyptian Government Scholarship for Researchers and Graduate students, Egypt , (<i>Channal System, Germany</i>).
Oct.1976 - Jun1981:	Annual Outstanding Students Award, University of Assiut, Egypt

6- Field of Interest

Major : Plant Physiology and Biochemistry- Molocular Biology- Biotechnical analysis

Research area: Heavy metals Toxicity, Enzymology, Nitrogen Fixation

Specific Research: Behavior of Cells under environmental stress

Conferences attended

A-Local Conferences:

1-Conference of "**Stresses Biochemistry in Plants**" DAAD Academic Exchange Service. Nov.11-13,1991, Assiut University, Assiut, Egypt.

2-Conference of "**Biotechnology**" Assiut University, Assiut,1992.

3-**The Proceedings of the International Symposium on Biological Nitrogen Fixation and Crop Production**" FAO/RNE (Sponsors), Cairo, Egypt , 11-13 May 1999.

4- "**The First International Conference, In Egypt, On Plant Tissue Culture and its Application**" Zagaig University, Egypt.12-15 April,1999

5- "**Assiut University Second Pharmaceutical Sciences Conference Assiut, Egypt**"from 8-9 March 2000.

6- "**BSAT-II, The second International Conference on Basic Sciences and Advanced Technology**" Faculty of Science, Assiut Uni-Egypt. 5-8 Nov.2000.

7- "**The Second Scientific Conference of Agricultural Sciences**" Assiut, Egypt. 28-30 October 2000.

8-The "**Xth International Colloquium for the Optimization of Plant Nutrition: Plant Nutrition for the Next Millennium Nutrition, Yield, Quality and the Environment.**" April 8-11, 2000, Cairo Sheraton, Cairo, Egypt.

9-The "**Environment 2001**" Ministry of State for Environmental Affairs Egyptian Environmental Affairs Agency, Cairo, Egypt.29-31 October 2001.

10- The International conference "**Safe Alternatives of Pesticides For Pest Management**" Plant Protection Department, Faculty of Agriculture, Assiut University, Assiut, Egypt.28-29 October ,2001.

B-International Conferences:

1- The conference of "**International workshop on Orbanche**" Obermarchtal, FRG, Aug.,19-22,1989.

2-The "**European Research Conference on the : Molecular Bioenergetics of Cyanobacteria (Energy conversion and Electron Transport)**". Organized by Guenter A. Pescheck, Institute of Physical Chemistry, University of Vienna, Austria, 5-10 June 1999.

3-The“ XIV International Plant Nutrition Colloquium, Food Security and Sustainability of Agro-Ecosystems through Basic and Applied Research” Hannover –Germany, 27 August-3 Nov.2001.

List of Publications

- 1-Shaddad M. A., Radi A. F. and **EI-Enany A. E.** (1988) : Effect of CdCl₂, NaF and 2,4-DNP on some metabolic changes in some crop plants. *J. Islamic Acad. Sci.* 1:121-26.
- 2-Shaddad M. A., Radi A. F. and **EI-Enany A. E.** (1989) : Seed germination, transpiration, and growth criteria as effected by various concentrations of CdCl₂ , NaF and 2,4-DNP . *J.Islamic Acad. Sci.* 2:7-12.
- 3-EI-Farash E. M., **EI-Enany A. E.** and Mazen A. M. A. (1993): Influence of genotype and NaCl on the levels of growth, proteins, proline, free amino acids, viability and protein regulation in tomato callus cultures. *Ass. J. Agr. Sci.* 24 (3):16-29.
- 4-Afaf M. Hamada and **EI-Enany A. E.** (1994): Effect of NaCl salinity on growth, pigment and Mineral elements and gas exchange of broad bean and pea plants. *Biologia Plant.* 36(1):75-81.
- 5-**EI-Enany A. E.** and Afaf M. Hamada (1994-95): Physiological studies of some heavy metals on *Helianthus annus*, *Vigna sinensis* and *Triticum vulgare*. I- Growth criteria, pigmentation, photosynthesis and respiration. *Acta Agronomica Hung.* 43 (3-4):235-241.
- 6-**EI-Enany A. E.** and Abd-Alla M. H. (1995): Cadmium resistance in *Rhizobium-faba* bean symbiosis. Synthesis of Cadmium-binding protein. *Phyton Vol.35 (1):45-53.*
- 7-**EI-Enany A. E (1995)** : Alleviation of cadmium toxicity on maize seedlings by calcium. *Biologia Plant.* 1995 (37):93-99.

- 8-**El-Enany A. E.**, El-Farash E. M. and Ragheb H. M. (1995): Genotypic differences in Pb-Binding Proteins and Shoot Organogenesis in Tomato Tissue Culture. *Ass. J. Agr. Sci.* 26(4):261-276.
- 9-**El-Enany A. E.** and Mazen A. M. A. (1996) : Isolation of Cd-binding protein of water hyacinth (*Eichhornia crassipes*) in Nile River Water. *Water, Air and Soil Pollution* (87):357-362.
- 10-Abdel-wahab A. M., Abd-Alla M. H. and **El-Enany A. E.** (1996): Stimulation of nodulation, nitrogen fixation and plant growth of faba bean by cobalt and copper additions. *Fertilizers and Environment, Roderiguez-Barrueco C., (ed), Kluwer Academic Publishers, Netherlands, 127-130.*
- 11- El-Aref H. A. and **EL-Enany A. E.** (1996): Alteration of Gene Expression in Soybean Callus Cultures Under Cold and Heat Stresses. *Egyptian J. Genetics & cytology* 25:1-15.
- 12- Taghian A.S. and **El-Enany A.E** (1996) : Genotypic differences and alteration of protein patterns of tomato explants under aluminium stress in vitro. *Assiut J. Agr. Sci* 27 (4):
- 13- **El-Enany A. E.** (1997): Glutathione Metabolism in Soybean callus-Cultures as affected by salinity. *Biologia Plantarum* 39 (1): 35-39.
- 14- **El-Enany A.E.** (1997): Shoot regeneration and protein synthesis in tomato tissue cultures. *Biologia Plantarum* 39 (2):303-308.
- 15- Hamdia M. Abdel Samad and **El-Enany A.E.** (1997): Alleviation of saline injury by treatment with succinic, citric or oxalic on onion and maize plants. *Bull. Fac. Sci. Assiut Univ., 26 (I-D), PP., 1-13.*
- 16- Gadallah M.A. and **El-Enany A.E.** (1999): Role of kinetin in alleviation of copper and zinc toxicity in *Lupinus termis* plants. *Plant Growth Regulation* 29 (3):151-160.

- 17- Shabeb S., **EI-Enany A.E.** and Abdel-Wahab A.M. (1999): The impact of sodium chloride salinity on three *Rhizobium* spp. 1- Effect on growth, respiration, mineral contents, accumulation of amino acids and protein pattern. International Symposium on Biological Nitrogen Fixation and Crop Production, Ain Shams University, Abbasia, Cairo, Egypt, 11-13, Mai, 1999.
- 18- **EI-Enany A.E.** and Issa A.A.(2000): Cyanobacteria as a biosorbent of heavy metals in sewage water. *Environ. Toxicol. and Pharm.*8: 95-101.
- 19-**EI-Enany A.E.** (2000): Abscisic acid- responsive proteins induced salinity tolerance in wheat seedlings. *Acta Physiologia Plantarum* 22 (1): 53-59.
- 20-**EI-Enany A.E.** (2000): Phytochelatins a a biomarker for Cu-toxicity in soybean callus cultures. *Pakistan Journal of Biological Sciences* 3(5): 799-803.
- 21-**EI-Enany , A.E.**, Atia, M.A; Abd-Alla, M.H. and Ramadan, T. (2000): Response of been seedlings to nickel toxicity: Role of Calcium. *Pakistan Journal of Biological Sciences* 3 (9): 1447- 1452.
- 22- Mazen A.M.A. and **EI-Enany , A.E** (2000) : Formation of Ca-oxalate crystals in leaves and calli of *Hibiscus subdariffa* in relation to Ca-availability in growth medium. *Bull. Fac. Sci. Assiut Uni.* 29 (2-D): 313-323.
- 23- **EI-Enany , A.E.** Issa A.A.and Abdel-Basset R. (2001): Calcium enhancement of shoot organogenesis in salinity-stressed tomato explants. *Acta Agronomica Hungarica* 49 (1): 35-42.

- 24- **El-Enany , A.E.** and Issa A.A. (2001): Proline alleviates heavy metal stress in *Scenedesmus armatus*. *Folia Microbiologica* 46 (3):227-230.
- 25- Abd-Alla M.H., **El-Enany A.E.**, Hamada A.M. and Abdel-Wahab, A.M. (2001): Element distribution in faba beans under salinity and its effect on growth , nodulation and nitrogen fixation. *Rostlina vyroba* 47 (9):399-404.
- 26-**A.E. El-Enany (2001)**: Wheat seedlings response to interactive effects of Cu and salinity. In: XIV International Plant Nutrition Colloquium- Food Security and Sustainability of agro-ecosystems,424-426, W.J. Horst et al. (Eds.). Kluwer Academic Press, Netherland.
- 27-A.F. Radi, M.A.K. Shaddad, **A.E. El-Enany** and F.M. Omran (2001): Interactive effects of Plant hormones (GA3 or ABA) and salinity on growth and some metabolites of wheat seedlings. In: XIV International Plant Nutrition Colloquium- Food Security and Sustainability of agro-ecosystems,436-438, W.J. Horst et al. (Eds.). Kluwer Academic Press, Netherland
- 28- Issa A.A. and **El-Enany A.E.** and Abdel-Basset R. (2002): Modulation of the photosynthetic source: Sink relationship in cultures of the cyanobacterium *Nostoc rivulare* . *Biologia Plantarum* 25 (2):221-225
- 29-T. Ramadan, G.H. El-Sokkary, **A.E. El-Enany** (2002): Autoradiographic study on the effect of Pb on DNA synthesis and cell proliferation of soybean callus culture. *Bull. Fac. Sci. Assiut Uni.* 31 (2-D): 103-111.
- 30- **A.E. El-Enany** , A.M.A. Mazen (2003):Protective effect of organic and inorganic sulfur compound on the cytotoxicity of cadmium in soybean callus culture. *Bull. Fac. Sci. Assiut Uni.* 32 (I-D),31-39. Press).

- 31- A.M. Metwally ,**A.E. EL-Enany**, and K-J. Dietz (2004): Modulation of cadmium or Copper toxicity in barley seedling grown in hydroponic culture with salicylic acid. Proceedings of On day Conference on Stress in Plants. Ain Shams University, Cairo, Egypt
- 32-Ramadan, T. ; Salama, F.M., **El-Enany A.E.**, and Abu Zuhri KMB (2005):Uptake and translocation of sludge-born heavy metals by sorghum: Subcellular localization of Cu. Assiut Univ.J. Botany 34 : 265-287.
- 33- Khallil, A. M.; Bagy, M. M. K.; **El-Enany, A.E.** and Osman, R. A.(2005):
Monthly fluctuations of zoosporic and terrestrial fungi inhabiting sewage at Assiut (Upper Egypt). 3rd International Conference on Environment and Natural Resources, Taiz Univ., Taiz, Yemen, 3 – 5 May, 2005.
- 34-El-Tayb M.M., **El-Enany A. E.** and Ahmed N.L. (2006): Response of some antioxidant enzymes to salicylic acid in copper-treated *Helianthus annus* Plants. Assiut University J. Botany 35 (2) 447-461.
- 35- El-Tayb M.M., **El-Enany A. E.** and Ahmed N.L. (2006):: Salicylic acid alleviates the copper toxicity in sunflower seedlings. International J. Botany 2(4): 380-387.
- 36- El-Tayb M.M., **El-Enany A. E.** and Ahmed N.L. (2006): Salicylic acid-induced adaptive response to copper stress in sunflower (*Helianthus annus L.*). Plant Growth Regulation 50: 191-199.
- 37- **El-Enany, A. E.**; Khallil, A. M.; Bagy, M. M. and Osman, R. A. (2007): Response of some fungal species to various levels of Cadmium. Submitted for publication.

- 38- Bagy, M. M. K.; Khallil, A. M.; **El-Enany**, A. E. and Osman, R. A. (2007): Seasonal variations of zoosporic and terrestrial fungi inhabiting sewage at Assiut (Upper Egypt). The Fourth Sci. Conf. on Environ. and Natural Resources, Taiz Univ. (Yemen), 14 – 16 May 2007.
- 39- **El-Enany A.E**, M. H. Abd-Alla, F. M. Morsy and N. Dief (2010): Impact of Drought and Flooding on Growth and Nodulation of faba bean (*Vicia faba* L.) Plants. Fourth Saudi Science Conference March 21-24 th, 2010, POST-BOT-46.
- 40 -Mohamed Hemida Abd-Alla, Fathy Mohamed Morsy, **Abdel-Wahab Elsadek El-Enany** (2 0 1 1):Hydrogen production from rotten dates by sequential three stages fermentation International Journal of Hydrogen Energy 36:: 13518-13527.
- 41- Mohamed Hemida Abd-Alla,, Fathy Mohamed Morsy, **Abdel-Wahab Elsadek El-Enany** (2012): Isolation and characterization of a heavy-metal-resistant isolate of *Rhizobium leguminosarum* bv. viciae potentially applicable for biosorption of Cd and Co.International Bioremediation and Biodegradation 67:48-55.