



السيرة الذاتية الخاصة
بالأستاذ الدكتور / احمد محمد عبد الوهاب
أستاذ البكتريا – قسم النبات و الميكروبيولوجي
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التسلسل العلمي والوظيفي

١. بكالوريوس من علوم القاهرة (١٩٦٠) جيد جداً (كيمياء - نبات)
٢. ماجستير علوم (علم البيئة النباتية) (أسيوط ١٩٦٤)
٣. دكتوراه من جامعة ويلز ببريطانيا (ديسمبر ١٩٦٩)
٤. أستاذ (الميكروبيولوجيا - بكتيريا التربة وتنشيط النيتروجين) بعلوم أسيوط من ١٩٨٠ وحتى الآن

الإعارات والزيارات والمهام العلمية

١. إعارة للعمل أستاذ بجامعة قطر (١٩٨٠ - ١٩٨٥)
٢. أستاذ زائر جامعة قطر (١٩٨٤ - ١٩٨٥) وجامعة صنعاء باليمن (١٩٩١)

زيارات ومهام علمية

١. مهمات علمية إلى بريطانيا (جامعة ويلز ١٩٧٨ ، ١٩٨٠)
٢. جامعة دندي (١٩٨٥ ، ١٩٨٩)
٣. جامعة كنت ١٩٩٥ ومركز بحوث المحاصيل الاسكتلندي (دندي ١٩٩٨)
٤. المؤتمرات الدولية لتنشيط النيتروجين (أسبانيا ١٩٧٦ ، ألمانيا ١٩٨٨)
٥. الإسماعيلية والقاهرة (١٩٩٣ ، ١٩٩٩)
٦. المؤتمرات الدولية للأسمدة والتغذية المعدنية (أسبانيا ١٩٩٤ - القاهرة ١٩٩٩ والنمسا ٢٠٠٠)
٧. العديد من مؤتمرات الجمعية النباتية وجمعية الميكروبيولوجيا المصرية عضو اللجنة الدائمة لترقية الأساتذة المساعدين من ١٩٨٥ وحتى الآن

SOME OF THE PUBLICATIONS

Prof. Dr. A.M. Abdel Wahab

Botany Department, Faculty of Science, Assiut University, Assiut, Egypt

- 1- Nitrogen fixation by Bacillus strains isolated from the rhizosphere of *Ammophila arenaria*.
A. M. Abdel Wahab, *Plant and Soil*/ 42/708 (1975).
- 2- Nitrogen as the anaerobic gas phase for N_2 (C_2H_2)- fixation Studien by Bacterial Cultures.
A. M. Abdel Wahab, *Bull. Fac. Sci. Assiut Univ.* 7(2), 1-9 (1978).
- 3- Salt tolerance of Rhizobium species in broth cultures,
A.M. Abdel Wahab and H. H. Zahran. *Zoitschrift für Allgemeine Mikrobiol.* 19,10,1979, 68-685.
- 4- Characterization of Nitrogen-Fixing (C_2H_2 -Reducing) Bacillus species Egyptian soils,
A. M. Abdel Wahab, *Zeit, Allg, Mikrobiol*, 20,8,1980, 487-494.
- 5- Nitrogenase Activity Associated, with the Rhizosphere of *Ammophila arenaria* L. and Effect of Inoculation of Seedling with *Azotobacter*.
A.M. Abdel Wahab and P.F. Wareing, *New Phytol* (1980) 84, (711-721).
- 6- Nitrogen fixing non legumes in Egypt. II-observations on the Root nodules of two cycads, their structure and $N_2(C_2H_2)$ -ase activity *Egypt J. Bot.* 22, No. 2, pp.183-192 (1978).
- 7- Effects of salt stress on Nitrogenase activity and growth of four legumes.
A.M. Abdel- Wahab and H. H. Zahran, *Biologia plantarum (Praha)* 3(1), 16-23 (1981).
- 8- The Effects of water stress on $N_2(C_2H_2)$ fixation and growth of *Medicago sativa*.
A. M. Abdel – Wahab and H. H. Zahran, *Acta Agronomic Academic Scientiarum Hungarica* 32(1983).
- 9- Abstracts of the XII International congress of Microbiology (MÜNICH) characteristics of $N_2(C_2H_2)$ fixing Bacillus species from Egyptian Soil.
- 10- Nitrogen fixation by Bacillus strains isolated from rhizosphere of *Ammophila arenaria*.
Abdel Wahab and El-Shrouny, *In plant & Soil* 42, 703-708 (1975).
- 11- Salt tolerance of Rhizobium species in broth cultures *zeitschrift für Allgemeine Mikrobiol.*
Abdel Wahab, A. M. and Zahran, H. H., 19, 681-686 (1979).
- 12- Nitrogen- fixing non-legumes in Egypt.
1-Nodulation and N_2 (C_2H_2) – fixation by *Casuarina equisetifolia*.
Abdel Wahab, *zeitschrift für Allgemeine Mikrobiol.* 20, 3-12, (1980).
- 13- Vesicular arbuscular Mycorrhizal associations in some Egyptian plants.
Egypt. J, Bot. 17, no. 2-3, pp. 191-193 (1974).
- 14- Phyllosphere Microflora of some Egyptian plants *Folia Microbiol.* 20, 236-245 (1975).

- 15- A preliminary study on Interaction growth of some phyllosphere bacteria.
- 16- Composition of the phylloplane bacterial flora of some agricultural plants in Egypt.
Abdel Wahab, A. M. , Zentralblatt für Bakteriologie.
- 17- Studies on mycobacteria from soil and dust with special reference to atypical mycobacteria.
Abdel wahab, A. M., kamel , Y.Y. and Makady, zeinab, A. Bull. Fac. Sci., Assiut Univ., (1980).
- 18- Production of Gibberellin-like substance by Nitrogen fixing Blue-green Algae.
Abdel-Wahab, A.M. and Kobbia, I.A.
Bull. Fac. Sci., Assiut Univ. 5, 273-386 (1976).
- 19- Abstracts:
- a) International symposium on N₂ fixation, Salamanca, Spain 1976.
 - b) International symposium on N₂ fixation, Salamanca, Spain 1976.
 - c) British Biological Society ,1977. Wareing, Abdel Wahab, Ghayad and M. Hall.
 - d) Nitrogenase- (C₂H₂) – activity in Egyptian soils amended with glucose at three levels of soil moisture and aeration of 7th International Congress on nitrogen fixation; Koln, 1988, 6-55.
A.M. Abdel Wahab and M. H. Abou Gharbia.
 - e) Effect of combined nitrogen on the structure of N₂- fixing nodules in two legume. In proceedings of 7th International congress on Nitrogen Fixation; Koln, 1988, 535.
A. M. Abdel Wahab and M. H. Abd-Alla.
- 20- Nitrogen- fixing N₂(C₂H₂) Bacteria from Egyptian soils amended with utilizable carbon sources, In proceedings of the second conference of the African association for Biological Nitrogen Fixation 1986.
A. M. Abdel – Wahab and M. A. Abou-Gharbia.
- 21- Nitrogenase-mediated nitrogen metabolism in vicia faba nodules as affected by Nitrate and ammonium treatments. In stress biochemistry in plants.
Abdel Wahab and Abd-Alla, Proceed of joint meeting of Egypt, and German scientists Bull. Fac. Sci. Assiut University, Egypt. (1991).
- 22- Nodulation and nitrogenase activity of vicia faba and Glycine max in relation to rhizobia strain form and level of combined nitrogen.
Abdel wahab and Abd-Alla, In phyton 1995 (In press).
- 23- Root hair infection and nodulation of four grain legumes as affected by the form and application time of combined nitrogen.
Abdel Wahab, Zahran and Abd-Alla, Folia Microbiologia (1995).
- 24- Effect of form and level of combined nitrogen on nitrogenase and nitrate reductase activities in faba beans.
Abdel Wahab, and Abd-Alla, In Biologia plantarum (1995).
- 25- Effect of different rates of N-fertilizers on nodulation and nodule functions and growth of two field grown cultivars of soybean. (published in Fert. Res. 1996)

- Abdel Wahab and Abd- Alla, International symposium on Fertilizers and environment-Salamanca, Spain, Sept. 1994.
- 26- Stimulation of nodulation, nitrogen fixation and plant growth of faba bean by copper additions.
Abd-Alla and Abdel Wahab, Intern. Symp. On Fertilizers and environment, Salamance, Spain, 1994.
- 27- Studies on the effect of salinity, draught stress and soil type on nodul activities of *lablab purpureus* (L) sweet (kachrangeeg) J. of Arrial Envriantments (2002).
- 28- Nitrogenase activity (C_2H_2 reduction) in upper Egyptian soils amended with wheat straw. Effect of soil moisture and P_2O_5 . 37.
Abdel Wahab and Abou Gharbia,
In Proc. Of the sixth international symposium on nitrogen fixation with legumes: Ismailia, Egypt, 6-10 Sept. 1993.
- 29- Survival of *Rhizobium leguminosarum* br. Viceae in soil subjected to drought, salinity and heat.
Abd-Alla and Abdel Wahab, *Biologia plantenum* (1995, in press).
- 30- The Role of potassium fertilizer in nodulation and nitrogen fixation of vicia faba under drought stress.
Abd-Alla and Abdel Wahab, *Soil Biol. And fertility* (1994).
- 31- Effect of form and level of combined nitrogen on nodulation, nitrogenase and growth of white bean (*phaseolus vulgaris*).
- 32- Glutamine synthetase activity and respiration of two nitrogen-fixing bacterial strains differing in their salt tolerance
Amal W. Danial, A. M. Abdel-Wahab and Refat Abdel-Basset
Young Scientists conference, Faculty of Science, Assiut University
- 33- **Hydrogen(ases) and nitrogenase activity of two halotolerant purple non-sulfur isolates**
Amal W. Danial, A.M.Abdel Wahab and R. Abdel-Basset
ISPP 2012,INTERNATIONAL SYMPOSIUM ON PHOTOTROPHIC PROKARYOTE, Portugal

M.Sc. and Ph.D. Theses

- 1- Studies on nitrogen-fixing bacillus species from Egyptian soils.
By: H. M. El-Sharouny (1976).
- 2- Studies on the effect of water and salt stress on nitrogen fixation (acetylene-reduction) in Egyptian Soils.
By: H. H. Zahran (1979).
- 3- Ecological and biological studies on non-symbiotic nitrogen fixation (acetylene-reduction) in Egyptian Soils.
By: M. A. Abou-Gharbia (1983). (M. Sc).
- 4- Studies on the effect of added combined nitrogen on nodulation and dinitrogen fixation by some legumes.

- By: M. H. Abd-Alla. (1987) (M.Sc).
- 5- Effect of some pesticides on dinitrogen fixation and growth of two legumes (Ph. D). M. A. Abou Gharbia (1989).
 - 6- Effect of nitrate and ammonia salts on some physiological activities of certain rhizobium-Bradyrhizobium - legume symbioses (1991).
 - 7- Studies on the effect of salt and drought stress on growth and rhizobium-symbioses of Lablab purpureus (L) sweet in Aswan area(1993).
 - 8- M. Sc.(Amal William) 2008 (Isolation, Characterization and certain physiological activities of some non-symbiotic nitrogen-fixing bacteria in response to Na-Ca combinations).
 - 9- Ph.D. (Amal William Danial) 2012 (Characterization, Nitrogenase and Hydrogenase activity of some purple non-sulphur and heterotrophic bacteria under different cultural conditions).