

## ***Curriculum Vitae***

**Name:** Prof. Dr. Mohamed Hemida Abd-Alla

**Date of Birth:** March 22, 1961

**Marital status:** Married and have 3 sons and 1 daughter

**Citizenship:** Egyptian

**Address:** Botany Department, Faculty of Science, Assuit University, Assuit 71516, Egypt

**E-mail:** [mhabdalla2002@yahoo.com](mailto:mhabdalla2002@yahoo.com)

**Fax:** +20882342708, 01092100736

**Highest Degree:** Doctor of Philosophy 1991

**Academic Field:** Plant-Microbe and Environments



### **Academic Degrees**

- ❖ **B. Sc.** 1983. Botany, Faculty of Science, Assiut University, Egypt.
- ❖ **M.Sc.** 1987. Botany, Faculty of Science, Assiut University, **Egypt**  
**The title of the Thesis "Studies on the effect of added combined nitrogen on nodulation and dinitrogen fixation by some legumes "**
- ❖ **Ph. D.** 1991 Botany, Assiut University, Egypt
- ❖ **The title of the Thesis "Effect of nitrate and ammonium salts on some physiological activities of certain Rhizium/ Bradyrhizobium-legume symbioses"**

### **Previous Position and Professional Background**

- ❖ **Demonstrator**, Botany Department Faculty of Science, Assiut University, Egypt, 8/12/1983.
- ❖ **Assistant lecturer**, Botany Department Faculty of Science, Assiut University, Egypt, 24/10/1987.
- ❖ **Lecturer**, Botany Department, Faculty of Science Assiut University, Egypt. 29/5/1991.
- ❖ **Assistant Professor**, Botany Department faculty of Science, Assiut University, Egypt, 27/10/1996.
- ❖ **Professor**, Botany Department faculty of Science, Assiut University, Egypt, 28/10/2001.

### **Fellowship Awarded and Expertise**

- ❖ **Fulbright Senior Researcher** at Plant Physiology and Genetic research unit, University of Illinois USA, Funded By Fulbright Commission 1995-1996.
- ❖ **Visiting Professor**, Institute of Plant Nutrition, Justus Liebig University, Giessen, Germany Funded by Alexander von Humboldt fellowship, 1997-1999

- ❖ **Visiting Professor** at Botany Department, Faculty of Science, Makerere University, Kampala, Uganda sponsored by Egyptian Fund for Technical Cooperation with Africa, Ministry of Foreign Affairs, Egypt 2001-2006.
- ❖ **Visiting Professor Visiting Professor**, Institute of Plant Nutrition, Justus Liebig University, Giessen, Germany. Funded by Alexander von Humboldt fellowship. (Short term 3 months) 2007.
- ❖ **Visiting professor at Department of Applied Biological Science** , Niigata University, Niigata, Japan Funded By Japanese society for promotion of Science, 2010.
- ❖ **Visiting Professor Visiting Professor**, Institute of Plant Nutrition, Justus Liebig University, Giessen, Germany. Funded by Alexander von Humboldt fellowship. (Short term 3 months) 2012.

### **Prize awarded**

- ❖ The best Scientific research in the faculty of Science -Awarded by the Assiut university (1993).
- ❖ Prof.Dr. Sluman Hozen for best scientific research in Biology - awarded by the faculty of Science (1994)
- ❖ -Abdus Salam Prize in the field of biology -Awarded by united Nations Educational, Scientific and Cultural Organization (1995).
- ❖ State Prize in the field of biology- Awarded by Academy of Scientific Research (Egypt, 2000-2001)
- ❖ The best Scientific research in the faculty of Science -Awarded by the Assiut university( 2002-2003).
- ❖ Scientific Award of Excellence 2011 From American Biographic Institute (USA).

### **Projects Awarded as Principle Investigator**

- ❖ Development of laboratory of Applied Bacteriology financed by Ministry of Higher Education and Scientific Research, 2008. Egypt
- ❖ Enhancing Biological nitrogen fixation of some legumes financed by Science and Technology Development Fund 2009-2011. (USA-Egypt).
- ❖ Biofuel Production from agro-industrial wastes by clostridium Financed by Science and Technology Development Fund 2010-2012. (Egypt).

### **Member of Editorial Board of Scientific Journal**

- ❖ Research Journal of Microbiology
- ❖ Research Journal of Soil Biology Editor-in-Chief
- ❖ Current Research in Bacteriology
- ❖ Asian Journal of Plant Pathology
- ❖ Bacteriology Journal

## **Referee at Scientific Journals**

- ❖ World Journal of Microbiology and Biotechnology
- ❖ International Journal of hydrogen Energy
- ❖ Applied Energy
- ❖ Journal of Plant Breeding and Crop Science
- ❖ Maejo International Journal of Science and Technology
- ❖ Thailand J. Agric. Science
- ❖ Journal of Arab Association of Universities of Basic and Applied Sciences (JAAUBAS)
- ❖ New Zealand Journal of Agriculture and Horticulture.
- ❖ Fuel and Energy Journal
- ❖ Fuel Journal

## **Teaching Experience**

Teaching under and postgraduate courses in Basic Bacteriology, and Virology, Introductory microbiology, Applied microbiology, Bacterial metabolism, biological nitrogen fixation and nitrogen metabolism, pathogenic bacteria.

## **Research Interests**

Molecular signals of nitrogen fixing symbiotic bacteria and phytopathogenic bacteria, Apoplastic and symplastic transport of root nodule bacteria, Biofuel production. Bioremediation, Biofertilizers.

## List of publication by Prof. Dr. Mohamed Hemida Abd-Alla

### Research Papers in peer-reviewed journals:

82. **Abd-Alla M.H.**, Elenany A.E., Mohamed T.R, El Zohri M., Nafady I.M. (2017). Nodulation and nitrogen fixation of some wild legumes from differing habitats in Egypt. *European Journal of Biological Research* 7 (1), 9-21
81. Bagy MMK, **Abd-Alla M.H.**, Nafady NA, Morsy FM, Mahmoud GAE. (2016). Bioconversion of plant wastes to  $\beta$ -carotene by *Rhodotorula glutinis* KU550702. *European Journal of Biological Research* 6 (4), 226-241.
80. Nafady NA, Bagy MK, Abd-Alla MH, Morsy FM & Mahmoud GA (2016). Bio-enrichment of  $\beta$ -carotene production by *Fusarium camptoceras* grown on sugarcane molasses using statistical approach. *International Journal of Advanced Biotechnology and Research* 7:1186-1203.
79. **Abd-Alla M.H.**, Nafady N.A., Khalaf D.M. (2016). Assessment of silver nanoparticles contamination on faba bean- *Rhizobium leguminosarum* bv. viciae-*Glomus aggregatum* symbiosis: Implications for induction of autophagy process in root nodule. *Agriculture, Ecosystems and Environment* 218 (2016) 163–177 . Impact factor 3.40
78. **Abd-Alla M.H.**, Bagy M.K., Hassan E.A. and Morsy FM.(2015). Improvement of fungal lipids esterification process by bacterial lipase for biodiesel synthesis. *Fuel* 160: 196-204. Impact factor: 3.5
77. Hassan E.A, **Abd-Alla M.H.**, Bagy M.K., and Morsy FM. (2015) In situ hydrogen, acetone, butanol, ethanol and microdiesel production by *Clostridium acetobutylicum* ATCC 824 from oleaginous fungal biomass. *Anaerobe* 34:125-131. Impact factor: 2.5
76. Nafady NA, Bagy MK, **Abd-Alla MH**, Morsy FM & Mahmoud GA (2015). Improvement of medium components for high riboflavin production by *Aspergillus terreus* using response surface methodology. *Rend. Fis. Acc. Lincei* Impact factor: 0.98
75. **Abd-Alla M.H.**, Zohri A. A., El-enany A. E. and Ali S.M. (2015). Acetone-butanol-ethanol production from substandard and surplus dates by Egyptian native *Clostridium* strains. *Anaerobe* 32: 77–86. **Impact factor: 2.364**

74. **Abd-Alla M.H.**, Bagy M.K., Hassan E.A. and Morsy FM. (2014). Enhancement of biodiesel, hydrogen and methane generation from molasses by *Cunninghamella echinulata* and anaerobic bacteria through sequential three-stage fermentation. *Energy*, 78: 543–554. **Impact factor: 4.125**
73. **Abd-Alla M.H.**, Bagy M.K., El-enany A.W., Bashandy S.R. (2014). Activation of *Rhizobium tibeticum* with flavonoids enhances nodulation, nitrogen fixation, and growth of fenugreek (*Trigonella foenum-graecum* L.) grown in cobalt-polluted soil. *Archives of Environmental Contamination and Toxicology*, 66: 303-315. **Impact factor: 2.012**
72. **Abd-Alla M.H.**, Bashandy S.R., Bagy M.K., El-Enany A.W. (2014). *Rhizobium tibeticum* activated with a mixture of flavonoids alleviates nickel toxicity in symbiosis with fenugreek (*Trigonella foenum graecum* L.). *Ecotoxicology*, 23: 946-959. **Impact factor: 2.773**
71. **Abd-Alla M.H.**, El-Enany A.W., Bagy M.K., Bashandy S.R. (2014). Alleviating the inhibitory effect of salinity stress on nod gene expression in *Rhizobium tibeticum* – fenugreek (*Trigonella foenum graecum*) symbiosis by isoflavonoids treatment. *Journal of Plant Interactions*, 9: 275-284. **Impact factor: 0.897**
70. **Abd-Alla M.H.**, El-Enany A.W., Nafady N.A., Khalaf D.M., Morsy F.M. (2014). Synergistic interaction of *Rhizobium leguminosarum* bv. *viciae* and arbuscular mycorrhizal fungi as a plant growth promoting biofertilizers for faba bean (*Vicia faba* L.) in alkaline soil. *Microbiological Research*, 169: 49–58. **Impact factor: 1.993**
69. Bagy M.K., **Abd-Alla M.H.**, Morsy F.M., Hassan E.A. (2014). Two stage biodiesel and hydrogen production from molasses by oleaginous fungi and *Clostridium acetobutylicum* ATCC 824. *International Journal of Hydrogen Energy*, 39: 3185–3197. **Impact factor: 3.548**
68. Morsy F.M., Nafady N.A., **Abd-Alla M.H.**, ElHady D.A. (2014). Green synthesis of silver nanoparticles by water soluble fraction of the extracellular polysaccharides/matrix of the cyanobacterium *Nostoc commune* and its application as a potent fungal surface sterilizing agent of seed crops. *Universal Journal of Microbiology Research*, 2: 36-43.
67. Saber M., Abdelshafy M., Faragallah M.A., **Abd-Alla M.H.** (2013). Hydrochemical and bacteriological analyses of groundwater and its suitability for drinking and

agricultural uses at Manfalut District, Assuit, Egypt. *Arabian Journal of Geosciences*, DOI 10.1007/s12517-013-1103-2. **Impact factor: 1.140**

- 66. Abd-Alla M.H.**, El-Sayed E.A., Rasmey A.M. (2013). Biosynthesis of L-Glutaminase by *Streptomyces variabilis* ASU319 isolated from rhizosphere of *Triticum vulgare*. *Universal Journal of Microbiology Research* 1: 27-35.
- 65. Abd-Alla M.H.**, El-Sayed E.A., Rasmey A.M. (2013). Indole-3-acetic acid (IAA) production by *Streptomyces atrovirens* isolated from rhizospheric soil in Egypt. *Journal of Biological and earth Sciences*, 3: B182–B193.
- 64. Abd-Alla M.H.**, El-Enany A.W. (2012). Production of acetone-butanol-ethanol from spoilage date palm (*Phoenix dactylifera* L.) fruit by a mixed culture of *Clostridium acetobutylicum* and *Bacillus subtilis*. *Biomass and Bioenergy*, 42: 172-178. **Impact factor: 2.975**
- 63. Abd-Alla M.H.**, Morsy F.M., El-Enany A.E., Ohshima T. (2012). Isolation and characterization of a heavy metal resistant isolate of *Rhizobium leguminosarum* bv. *viciae* potentially applicable for biosorption of Cd (II) and Co. *International Biodeterioration and Biodegradation*, 67: 48-55. **Impact factor: 2.059**
- 62. Abd-Alla M.H.**, Bashandy S.R. (2012). Production of quorum sensing inhibitors in growing onion bulbs infected with *Pseudomonas aeruginosa* E (HQ324110). *ISRN Microbiology*. 2012; ID 161890.
- 61. Gouda H.A. and Abd-Alla M.H.** (2012). The effect of *Rickettsia*-like bacteria on *Helobdella stagnalis* (L. 1758) (*Hirudinea: Glossiphoniidae*) from Assiut, Egypt. *Egypt J. of Zool.*, 58: 163-178.
- 60. Abd-Alla M.H.**, Morsy F.M., El-Enany W. (2011). Hydrogen production from rotten dates by sequential three stages fermentation. *International Journal of Hydrogen Energy*, 36: 13518-13527. **Impact factor: 3.548**
- 59. Abd-Alla M.H.** (2011). Nodulation and nitrogen fixation in interspecies grafts of soybean and common bean is controlled by isoflavonoid signal molecules translocated from shoot. *Plant, Soil and Environment*, 57: 453–458. **Impact factor: 1.207**
- 58. Abd-Alla M.H.**, Bashandy S.R., Schnell S., Ratering S. (2011). Isolation and characterization of *Serratia rubidaea* from dark brown spots of tomato fruits. *Phytoparasitica*, 39: 175-183. **Impact factor: 0.724**

57. **Abd-Alla M.H.**, Bashandy S.R., Schnell S. (2011). First report of soft rot of onion bulbs in storage caused by *Pseudomonas aeruginosa* in Egypt. *Journal of Plant Interactions*, 6: 229-238. **Impact factor: 0.897**
56. **Abd-Alla M.H.**, Bashandy S.R., Schnell S. (2010). Occurrence of *Xanthomonas axonopodis* bv. *phaseoli*, the causal agent of xommon bacterial blight disease, on seeds of common bean (*Phaseolus vulgaris* L.) in Upper Egypt. *Folia*
55. **Abd-Alla M.H.**, Bashandii S.R. (2008). First report of *Xanthomonas vesicatoria* and *Ralstonia solanacearum* from tomato in Egypt. *World Journal of Microbiology and Biotechnology*, 24: 291–292. **Impact factor: 1.262**
54. **Abd-Alla M.H.**, El-Enany A.E., Hamada A.M., Abdel-Wahab A.M. (2001). Element distribution in faba beans under salinity and its effect on growth, nodulation and nitrogen fixation. *Rostlinna Vyroba* 47: 399-404. **Impact factor: 1.207**
53. **Abd-Alla M.H.** (2001). Regulation of nodule formation in soybean-*Bradyrhizobium* symbiosis is controlled by shoot or/and root signals. *Plant Growth Regulation*, 34: 241-250. **Impact factor: 1.670**
52. **Abd-Alla M.H.**, Omar S.A. (2001). Survival of rhizobia and bradyrhizobia and a rock-phosphate-solublizing fungus *Aspergillus niger* on various carriers from some Agro-industrial wastes and their effects on nodulation and growth of faba bean and soybean. *Journal of Plant Nutrition*, 24: 261-272. **Impact factor: 0.526**
51. Mahmoud A-L.E., **Abd-Alla M.H.** (2001). Siderophores production by some microorganisms and their effect on *Bradyrhizobium*-mung bean symbiosis. *International Journal of Agriculture and Biology*, 3: 157-162. **Impact factor: 0.940**
50. **Abd-Alla M.H.**, Kyro H.V., Yan F., Shubert S., Peiter E. (2000). Functional structure of faba bean nodules: Implications for metabolite transport. *Journal of Plant Physiology*, 157: 335-343. **Impact factor: 2.699**
49. El-Enany E.A., Attia M.A., **Abd-Alla M.H.**, Rmadan T. (2000). Response of bean seedling to nickel toxicity: role of calcium. *Pakistan Journal of Biological Sciences*, 3: 1447-1452.
48. Mahmoud A-L.E., **Abd-Alla M.H.** (2000). Tolerance of *Rhizobium leguminosarum* biovar *viceae* strains to inhibitory effect of mycotoxins. In: H. Chr. Weber, S. Imhof and D. Zeuske, Abstract and papers of the Third International Congress on Symbiosis: Philipps University of Marburg, Germany, p 126-136.

47. **Abd-Alla, M.H.**, Mahmoud A-L.E. (2000). Involvement of amino acids in nitrogen fixation inhibition in faba bean-*Rhizobium* symbiosis under water shortage. In: H. Chr. Weber, S. Imhof and D. Zeuske, Abstract and papers of the Third International Congress on Symbiosis: Philipps University of Marburg, Germany, p 12-21.
46. **Abd-Alla M.H.**, Omar S.A., Karanxha, S. (2000). The impact of pesticide on arbuscular mycorrhizal and nitrogen fixing symbioses in legumes. *Applied Soil Ecology*, 14: 191-200. **Impact factor: 2.106**
45. Omar S.A., **Abd-Alla M.H.** (2000). Physiological aspects of fungi isolated from root nodules of faba bean (*Vicia faba* L.). *Microbiological Research*, 154: 339-347. **Impact factor: 1.993**
44. **Abd-Alla M.H.**, Yan F., Schubert S. (1999). Effects of sewage sludge application on nodulations, nitrogen fixation and plant growth of faba bean, soybean and lupin. *Journal of Applied Botany*, 73: 69-75. **Impact factor: 0.429**
43. **Abd-Alla M.H.** (1999). Nodulation and nitrogen fixation of lupinus species with *Bradyrhizobium* (lupin) strains in iron deficient soil. *Biology and Fertility of Soils*, 28: 407-414. **Impact factor: 2.510**
42. **Abd-Alla M.H.** (1998). Growth and siderophore production in vitro in *Bradyrhizobium* (Lupin) strains under iron limitation. *European Journal of Soil Biology*, 34: 99-104. **Impact factor: 1.838**
41. **Abd-Alla M.H.** (1998). Effect of lupinus seed diffusates on *Bradyrhizobium* sp. growth and nodulation of lupine. *Folia Microbiologica*, 43: 182-186. **Impact factor: 0.791**
40. **Abd-Alla M.H.**, Voung T.D., Harper J.E. (1998). Genotypic differences in dinitrogen fixation response to NaCl stress in intact and grafted soybean. *Crop Science*, 38: 72-77. **Impact factor: 1.513**
39. Omar S. A., **Abd-Alla M.H.** (1998). Biocontrol of fungal root rot diseases of crop plants by the use of rhizobia and bradyrhizobia. *Folia Microbiologica*, 43: 431-437. **Impact factor: 0.791**
38. **Abd-Alla M.H.**, Omar S.A. (1997). Wheat straw and cellulolytic fungi application increases nodulation, nodule efficiency and growth of fenugreek (*Trigonella foenum-graceum* L.) grown in saline soil. *Biology and Fertility of Soils*, 26:58-65. **Impact factor: 2.510**



37. Harper J.E., Corrigan K.A., Barbera A.C., **Abd-Alla M.H.** (1997). Hypernodulation of soybean, mung bean, and hyacinth bean is controlled by a common shoot signal. *Crop science*, 37: 1242-1246. **Impact factor: 1.513**
36. **Abd-Alla M.H.**, Harper J.E. (1996). Reciprocal grafting and bacterial strain effects on nodulation of soybean genotypes. *Symbiosis*, 21: 165-173. **Impact factor: 1.107**
35. Abdelwahab A.M., **Abd-Alla M.H.**, Elenany A.E. (1996). Stimulation of nodulation, nitrogen fixation and plant growth of faba bean by cobalt and copper additions. *Fertilizers and Environment*, 66: 127-130. **Impact factor: 1.416**
34. **Abd-Alla M.H.**, Abdel Wahab A.M. (1995). Survival of *Rhizobium leguminosarum* biovar *viceae* subjected to heat, drought and salinity in soil. *Biologia Plantarum*, 37: 131-137. **Impact factor: 1.692**
33. Abdelwahab A.M., **Abd-Alla M.H.** (1995). Effect of form and level of applied nitrogen on nitrogenase and nitrate reductase activities in faba beans. *Biologia Plantarum*, 37: 57-64. **Impact factor: 1.692**
32. Abdel Wahab A.M., **Abd-Alla M.H.** (1995). The role of potassium fertilizer in nodulation and nitrogen fixation of faba bean (*Vicia faba* L.) plants under drought stress. *Biology and Fertility of Soils*, 20: 147-150. **Impact factor: 2.510**
31. Elenany A.E., **Abd-Alla M.H.** (1995). Cadmium resistance in *Rhizobium*-faba bean symbiosis. Synthesis of cadmium binding proteins. *Phyton*, 35: 45-53. **Impact factor: 0.177**
30. **Abd-Alla M.H.**, Issa A.A. (1994). Suitability of some local agro-industrial wastes as carrier materials for cyanobacterial inoculant. *Folia Microbiologica*, 39: 576-578. **Impact factor: 0.791**
29. **Abd-Alla M.H.** (1994). Some phenolic compounds enhance nodulation and nitrogen fixation in a soybean/*Bradyrhizobium japonicum* system. *Phyton*, 33: 249-256. **Impact factor: 0.177**
28. **Abd-Alla M.H.** (1994). Nodulation and nitrogen fixation of faba bean plants as influenced by the inoculation method of *Rhizobium leguminosarium* biovar *viceae* RCR 1001. *Microbiological Research*, 149: 65-68. **Impact factor: 1.993**
27. **Abd-Alla M.H.** (1994). Solubilization of rock phosphates by *Rhizobium* and *Bradyrhizobium*. *Folia Microbiologica*, 39: 57-60. **Impact factor: 0.791**
26. **Abd-Alla M.H.** (1994). Phosphatases and the utilization of organic phosphorus by *Rhizobium leguminosarium* biovar *viceae* phosphatases. *Letters in Applied Microbiology*, 18: 294-296. **Impact factor: 1.629**

25. **Abd-Alla M.H.** (1994). Phosphodiesterase and phosphotriesterase of *Rhizobium* and *Bradyrhizobium* and their roles in the degradation of organophosphorus pesticides. Letters in Applied Microbiology, 19: 240-243. **Impact factor: 1.629**
24. **Abd-Alla M.H.** (1994). Utilization of some phenolic compounds by *Azotobacter chroococcum* and their effect on growth and nitrogenase activity. Folia Microbiologica, 39: 57-60. **Impact factor: 0.791**
23. **Abd-Alla M.H., Mahmoud A-L.E.** (1994). Biodegradation of plant wastes to sugars and protein by some microorganisms. Folia Microbiologica, 39: 222-224. **Impact factor: 0.791**
22. **Abd-Alla M.H., Mahmoud A-L.E., Issa A. A.** (1994). Cyanobacterial biofertilizer improve growth of wheat. Phyton, 34: 11-18. **Impact factor: 0.177**
21. **Abd-Alla M.H., Omar S.A., El-Nagdy M.A.** (1994). Protease-producing microorganisms inhabiting salted fish (Moloha) with special references to protease activity of *Bacillus subtilis*. Acta Societatis Botanicorum Poloniae, 63: 303-307. **Impact factor: 0.585**
20. Mahmoud A-L.E., **Abd-Alla M.H.** (1994). Natural occurrence of mycotoxins in broad bean (*Vicia faba* L.) seeds and their effect on *Rhizobium*-legume symbiosis. Soil Biology and Biochemistry, 26: 1081-1085. **Impact factor: 3.654**
19. Omar S.A., **Abd-Alla M.H.** (1994). Enhancement of faba bean nodulation, nitrogen fixation and growth by different microorganisms. Biologia Plantarum, 36: 295-300. **Impact factor: 1.692**
18. Abdel Wahab A.M., **Abd-Alla M.H.** (1994). Nitrogen fixing non-legumes in Egypt. III. A study on nitrogenase activity, structure and the endophyte of coralloid roots of two cycads. Symposium on Dinitrogen Fixer in Association with trees, 28 December Cairo, Egypt.
17. Issa A.A., **Abd-Alla M.H., Mahmoud A-E.L.** (1994). Effect of biological treatments on growth and some metabolic activities of barley grow in saline soil. Microbiological Research, 149: 317-320. **Impact factor: 1.993**
16. Omar S.A., Abdelsater M.A., Khalil A.M., **Abd-Alla M.H.** (1994). Growth and enzyme activities of fungi and bacteria in soil salinized with sodium chloride. Folia Microbiologica, 39: 57-60. **Impact factor: 0.791**
15. Abdel Wahab A.M., **Abd-Alla M.H.** (1996). Effect of different rates of N-fertilizers on nodulation, nodule activities and growth of two field grown cvs. of soybean. Fertilizer Research, 34: 37-41.

14. Abdel Wahab A. M., **Abd-Alla M.H.** (1995). Effect of form and level of combined nitrogen on nitrogenase and nitrate reductase activities in *Vicia faba*. *Biologia Plantarum*, 37: 57-64. **Impact factor: 1.692**
13. Abdel Wahab A.M., **Abd-Alla M.H.** (1995). Nodulation and nitrogenase activity of *Vicia faba* and *Glycine max* in relation to rhizobia strain, form and level of combined nitrogen. *Phyton*, 35: 77-187. **Impact factor: 0.177**
12. Abdel Wahab M.A., Zahran H.H., **Abd-Alla M.H.** (1996). Root hair infection and nodulation of four grain legumes as affected by the form and the application of nitrogen fertilizer. *Folia Microbiologica*, 41: 303-308. **Impact factor: 0.791**
11. Abdel Wahab A.M., **Abd-Alla M.H.** (1994). Influence of form, level and the time of application of combined nitrogen on nodulation and nitrogenase activity and growth of white bean (*Phaseolus vulgaris* L.). Fertilizer and Environment-VII International Symposium of CIEC. September 26-29, Salamanca, Spain.
10. **Abd-Alla M.H.**, Omar S.A. (1993). Herbicides effects on nodulation, growth and nitrogen yield of faba bean induced by indigenous *Rhizobium leguminosarum*. *Microbiological research*, 148: 593-597. **Impact factor: 1.993**
9. Omar S.A., Moharram A.M., **Abd-Alla M.H.** (1993). Effects of an organophosphorus insecticide on the growth and cellulolytic activity of fungi. *International Biodeterioration and Biodegradation*, 31: 305-310. **Impact factor: 2.059**
8. **Abd-Alla M.H.**, Omar S.A., Abdel Wahab A.M. (1992). The role of cellulose-decomposing fungi in nitrogenase activity of *Azotobacter chroococcum*. *Folia Microbiologica*, 37: 215-218. **Impact factor: 0.791**
7. Omar S.A., **Abd-Alla M.H.** (1992). Effect of pesticides on growth, respiration and nitrogenase activity of *Azotobacter* and *Azospirillum*. *World Journal of Microbiology and Biotechnology*, 8: 326-328. **Impact factor: 1.262**
6. Mahmoud A-L.E., Issa A.A., **Abd-Alla M.H.** (1992). Survival and efficiency of N<sub>2</sub>-fixing cyanobacteria in soil under water stress. *Journal of Islamic Academy of Sciences*, 5: 275-278.
5. Shorieit A.A., **Abd-Alla M.H.**, Shabeb M.S.A. (1992). Acetylene-reduction by rhodspirillacea from Aswan High Dam Lake. *World Journal of Microbiology and Biotechnology*, 8: 151-154. **Impact factor: 1.262**
4. **Abd-Alla M.H.** (1992). Nodulation and nitrogen fixation in faba bean (*Vicia faba* L.) plants under salt stress. *Symbiosis*, 12: 311-319. **Impact factor: 2.773**

3. **Abd-Alla M.H.** (1992). *Bradyrhizobium* strains and the nodulation, nodule efficiency and growth of soybean (*Glycine max* L.) in Egyptian soils. World Journal of Microbiology and Biotechnology, 8: 593-596. **Impact factor: 1.262**
  2. Abdel Wahab A.M., **Abd-Alla M.H.** (1991). Nitrogenase-mediated nitrogen metabolism in *Vicia faba* nodules as affected by nitrate and ammonium treatment. Bulletin of the Faculty of Science, Assiut University (Special Volum)15-36.
  1. Abdel Wahab A.M., **Abd-Alla M.H.** (1988). Effect of combined nitrogen on the structure of N<sub>2</sub>-fixing nodules in tow legumes. In. Nitrogen Fixation: Hundred Years After. Both H., De bruijn & Newton W. Gustav Fischer, Stuttgart.
- **Research Paper in Conference**
6. **Abd-Alla, M.H.** , El-enany A.E., Bashandy SR. (2012). The Impact of environmental changes on nod gene expression of Rhizobium-fenugreek symbiosis. Fifth Saudi Science Conference (SSC5). 16-18 April.
  5. Dief N.A.O., Morsy F.M., **Abd-Alla M.H.** and Elenany A.E. (2011). Response of growth, nodulation and some metabolites of cowpea plants grown under water-deficit and waterlogging. The third scientific conference young researchers. Basic Science and technology. P.162.
  4. Khalaf DM., Elenany A.E., **Abd-Alla, M.H.** and Morsy FM. (2011). Amelioration of negative effect of soil alkalinity using some bioagents on vicia faba plant. The third scientific conference young researchers. Basic Science and technology. P.169.
  3. **Abd-Alla, M.H.** , El-enany A.E. , Zohri AA and Ali SA.(2011). Isolation and characterization of biofuel-producing clostridia from agriculturally cultivated soil in Assuit, Egypt. The third scientific conference young researchers. Basic Science and technology.P 173.
  2. Alsayied AA and **Abd-Alla M.H.** (2011) Bacteriological assessment of Nile river water quality in Assiut governorate Egypt. The third scientific conference young researchers. Basic Science and technology.p 163.
  1. Frrag A.A., **Abd-Alla MH** , Ashour A. and Mahmoud O.A. (2011) Drinking water in Assuit governate, its chemical and bacteriological composition and characteristics.

The third scientific conference young researchers. Basic Science and technology.p  
119.

➤ **Chapters in Books:**

3. **Abd-Alla M.H.**, Issa A.A., Ohyama T. (2014). Impact of harsh environmental conditions on nodule formation and dinitrogen fixation of legumes. "Advances in Biology and Ecology of Nitrogen Fixation", book edited by Takuji Ohyama, ISBN 978-953-51-1216-7. pp 131-193.

2. Issa A.A., **Abd-Alla M.H.**, Ohyama T. (2014). Nitrogen fixing Cyanobacteria: Future Prospect". "Advances in Biology and Ecology of Nitrogen Fixation", book edited by Takuji Ohyama, ISBN 978-953-51-1216-7. pp 23-48.

1. **Abd-Alla M.H.**, Issa A.A, Morsy F.A., Bagy M.K. (2013). Progress in liquid biofuel and biohydrogen from agro-industrial wastes by clostridia. In: Méndez-Vila (Editor). Materials and processes for energy: communicating current research and technological developments, Spain: Publisher: Formatex Research Center; 2013; Energy Book Series #1 :340-351.

➤ **Books:**

1. Abd-Alla M.H.( 2012). Introduction to Basic Bacteriology. ISBN 365913340X, 9783659133404. Publisher LAP Lambert Academic Publishing, Co. KG Saarbrücken, Germany (Book).

2. Abd-Alla M.H., Bashandy S.R. (2011). Progress in Phytopathogenic Bacteria. ISBN 978-3-8454-4248-8. Publisher LAP LAMBERT Academic Publishing GmbH & Co. KG Saarbrücken, Germany .

**Web sites:**

<http://scholar.google.com/citations?user=NcdAYCEAAAAJ>

<http://www.scopus.com/authid/detail.url?authorId=7007111856>

<http://orcid.org/0000-0003-0415-9409>

[http://www.researchgate.net/profile/Mohamed\\_Abd-Alla3/publications](http://www.researchgate.net/profile/Mohamed_Abd-Alla3/publications)

[http://publicationslist.org/mohamed\\_hemida.abd-alla](http://publicationslist.org/mohamed_hemida.abd-alla)

<http://livedna.net/?dna=20.437>

[http://www.aun.edu.eg/membercv.php?M\\_ID=303](http://www.aun.edu.eg/membercv.php?M_ID=303)