

Curriculum Vitae

2. CV of Principle Investigator

2.1-Personal Details

Surname	Ahmed				
Other Name	Issa				
Title	Professor				
Gender	Male				
Address	Department of Botany, Faculty of Science, Assuit University, Assuit, 71516 , Egypt				
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Date of birth	Day	Month	Year	Place of birth	Assuit, Egypt
	08	11	1962		

2.2-Education

College/ University	Dgree obtained	Dates (From-to)
Faculty of Science, Assiut University	Ph. D Botany (Phycology)	1989-1992
Faculty of Science, Assiut University	M. Sc. Botany (Phycology)	1984-1989
Faculty of Science, Assiut University	B. Sc. (Botany)	1979-1984

2.3-Employment History

Employer	Position	Dates (from-to)
Department of Botany, Faculty of Science, University of Assiut, Egypt	Professor of Phycology	2002-till now
Department of Botany, Faculty of Science, University of Assiut, Assiut , Egypt	Assistant Professor of Phycology	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	1989 -1992
Department of Botany, Faculty of Science University of Assiut, Assiut, Egypt	Instructor	1984 - 1989

2.4- Training

Training Attended	Place	Dates
Workshop " Uses of Molecular Biology in Nitrogen Fixation"	the National Research Centre, Cairo, Egypt	June, 1995
Workshop "Identification of Algae in soil and their role in Xerophytes"	<u>South valley University</u>	<u>Febraury.</u> <u>1999</u>
Workshop "Protein Molecular Biology Techniques"	Institute of Graduate Studies and Research, Alexandria University.	<u>December</u> <u>2001</u>
Work Shop Education Methodology course	Assiut University	2002
Workshop in Biodiversity.	. Sebha University. Sebha Libya	2007

2.5- Membership of Professional association

Professional Body	Level of Member	Year of award
Phycological Society	Member	1998
The Egyptian Botanical Society	Member	1981

2.6- Field of Interest

Major : **Phycology**

Research area: **Fresh-water algae, Cyanobacteria, Soil Algae**

Specific Research: Ecology and Physiology of Algae and Cyanobacteria.

2004 DFG fellowship at institute of plant nutrition, Giessen University , Germany.

2012 DAAD fellowship at institute of plant nutrition, Giessen University , Germany

Prize awarded

1. The best Scientific research in the faculty of Science -Awarded by the Assiut university (1997).

2.7- Publications

1. Mohammed A.A, Adam M.S and. **Issa A.A** (1990): Water-pollution in Nile at Manqubad, Assiut, Egypt. *Bull. Fac. Sci., Assiut Univ. 19: 195-218.*
2. Adam M.S., Mohammed A.A. and **Issa A.A.** (1990): Physicochemical characteristics and planktonic algae of two irrigation canals and a closed pond at Assiut area, Egypt. *Bull. Fac. Sci., Assiut Univ. 19: 219-245.*
3. Mahmoud,, A. L. E ,. **Issa A. A** and Abd--Alla M. H. (1992): Survival and Efficency of N₂-Fixing Cyanobacteria in Soils under Water Stress. *Journal of Islamic Academy of Sciences 5:4, 275-278, 1992*
4. Hassan H.A.H and **Issa.A.A** (1993) : Influnce ofChemical Fertilizers (*in Vitro*) on Aflatoxin and Citrinin by two Strains of Aspergilli. . . *Folia Microbiol.38, 456-485.*
- 5 **Issa, A.A.**, Adam M.S., and Abdel-Basset R. (1993): Notes on the distribution of algal flora in Sana'a, Yemen. *Bull. Fac. Sci., Assiut Univ., 22: 151-159.*

4. Ahmed, A.Z., Adam M.S., and **Issa A.A.** (1993): Salinity induced growth and some related physiological activities of the soil algal *Kirchneriella lunaris*. *Bull. Fac. Sci., Assiut Univ. Sohag Pure & Appl.* 8: 157-167.
5. **Issa A.A.** and Ahmed Z.A. (1994): Response of Nile Phytoplankton to algicide (CuSO₄.5H₂O) in multispecies chemostat experiments. *Qatar Univ. Sci. J.* 14 (1): 76-81.
8. Abd-Alla M.H. and **Issa A.A.** (1994): Suitability of some local Agro. Industrial wastes as carrier materials for Cyanobacterial inoculant's..*Folia Microbiol*, 39: 576-578.
9. Ismail M.A. and **Issa A.A.** (1994): Toxicity of some detergents on populations of soil fungi and algae. *Bull. Fac. Sci., Assiut Univ.*, 23:95-106.
10. Ahmed SH. M., **Issa A.A.** and Hussein S.Y. (1994): Phytoplankton blooms as a cause of mortality among farmed tilapia (*Oreochromis niloticus*) at Assiut, Egypt. *6th Sci. Cong., Fac. Vet. Med., Assiut*, 428-435.
11. Ahmed Z.A. and **Issa A.A.** (1994): Phosphorus stress effect on assimilation of nitrate by the green alga *Kirchneriella lunaris* Moeb. isolated from desert soil. *Acta Hydrobiol.* 36: 49-55.
12. Abdel-Basset R. and **Issa A.A.** (1994): Membrane stabilization and survival of dehydrated *Chlorella fusca* cells induced by calcium *Biologia Plant.* 36: 389-395.
13. **Issa A.A.**, Abd-Alla M.H. and Mahmoud A.L.E. (1994): Effect of biological treatments on growth and some metabolic activities of barley plants grown in saline soil. *Microbiol. Res.* 149: 1-4.
14. Abd-Alla M.H., Mahmoud A.L. E. and **A.A. Issa** (1994): Cyanobacterial biofertilizer improved growth of wheat. *Phyton* 34: 11-18.
15. **Issa A.A.**, Abdel-Basset R. and Adam M.S. (1994): Biotic interaction and nutrient competition

16. Adam M.S., Abdel-Basset R. and **Issa A.A.** (1995): After-effect of Pb^{2+} on growth and oxygen exchange by the unicellular green alga *Kirchneriella lunaris* in the presence of Ca^{2+} . *Bull. Fac. Sci. Assiut Univ.* 24: 123-135.
17. **Issa A.A.**, Abdel-Basset R. and Adam M.S. (1995): Abolition of heavy metal toxicity on *Kirchneriella lunaris* (Chlorophyta) by calcium. *Annals of Botany* 75: 189-192.
18. Abdel-Basset R., **Issa A.A.** and Adam M.S. (1995): Chlorophyllase activity: Effects of heavy metals and calcium. *Photosynthetica* 31: 421-425.
19. **Issa A.A.** (1995): Aspects of growth and nitrogenase activity of the cyanobacterium *Nostoc muscorum* in continuous culture. *Cryptogamie Alogologie*. 16: 247-253.
20. **Issa A.A.** and Ismail M.A. (1995): Effects of detergents on River Nile water microflora. *Acta Hydrobiol.* 37: 35-44.
21. **Issa A.A.** (1996): The role of calcium in the stress response of the halotolerant green alga *Dunaliella bardawil* Ben Amotz et Avron. *Phyton* 36: 295-302.
22. Adam M.S., Abdel-Basset R. and **Issa A.A.** (1997): Protective effect of calcium on wall polysaccharides of *Scenedesmus obliquus* cells treated with heavy metals. *Acta Hydrobiol.* 39, 61-65.
23. **Issa A.A.**, Adam M.S. and Abdel-Basset R. (1998): Effect of Ca^{2+} on the detoxification of Cd^{2+} by *Scenedesmus obliquus* cells at low or high temperature. *Folia Microbiol.* 43, 645-648.
24. **Issa A.A.** (1999): Interference of glyphosate with the shikimate pathway by cyanobacteria in chemostat culture. *Microbios.* 100, 47-52.
25. **Issa A.A.** (1999): Antibiotic production by the cyanobacteria *Oscillatoria angustissima* and *Calothrix parietina*. *Environmental Toxicology and Pharmacology* 8, 33-37.

26. **Issa A.A.** and Abdel-Basset R. (1999): The toxicity of phenolic compounds on *Anabaena cylindrica* and *Nostoc muscorum* in chemostat experiments. *International J. on Algae* 1, 119-126.
27. **Issa A.A.** and Adam M.S. (1999): Influence of selenium on toxicity of some heavy metals in the green alga *Scenedesmus obliquus*. *Folia Microbiol.* 44, 406-410.
28. El-Enany A.E. and **Issa A.A.** (2000): Cyanobacteria as a biosorbent of heavy metals in sewage water. *Environmental Toxicology and Pharmacology*. 8, 95-101.
29. Adam M.S. and **Issa A.A.** (2000): Effect of manganese and calcium deficiency on the growth and oxygen exchange of *Scenedesmus intermedius* cultured for successive generations. *Folia Microbiol.* 45, 353-358.
30. **Issa A.A.**, Adam M.S., Mohammed A.A. and Hifney A.F. (2000): A comparative study of algal communities on cultivated and uncultivated soils. *Pakistan J. of Biological Science*. 3, 615-620.
31. Adam, M.S., **A.A. Issa**, Mohammed A.A. and Hifney A.F (2000): The effect of pollution on the community of soil algae on the Nile bank at Assiut, Egypt. *Acta Hydrobiol.* 42, 9-20.
32. **Issa A.A.** and Adam M.S. (2000): The effect of IAA and GA3 on growth and nitrogen assimilation of cyanobacteria. *Bull. Fac. Sci. Assiut Univ.* 29, 47-52
33. El-Enany A.E. and **Issa A.A.** (2001): Proline alleviates heavy metal stress in *Scenedesmus armatus*. *Folia Microbiol.* 46, 227-230.
34. El-Enany A.E., **Issa A.A.** and Abdel-Basset, R (2001): Calcium enhancement of shoot organogenesis in salinity-stressed tomato explants. *Acta Agronom. Hung.* 49, 35-42.

35. **Issa. A.A.**, El-Enany A. E. and Abdel-Basset,R. (2002): Modulation of the photosynthetic source: sink relationship in cultures of the cyanobacterium *Nostoc rivulare*. *Biologia plant.*45, 212-225.
36. Hifney.A.F,**Issa.A.A.** and Mohammed.A.A.A. (2004): Distribution Pattern of Algae in the Root Zone of some Egyptian Plants at Assiut Region. *Egypt. J.Union Arab.Biol.Cairo.* 15,81-99.
37. Hifney.A.F and **Issa.A.A.** (2005):Effeccct of iron status on the detoxification of Cadmium on the *Cynecococcus elongates* PCC 74-942. *J.of Botany Assiut Universiyy*,34.,361-370.
38. Khaled, S. A., Faituri, M. Y., Attitalla, I.H., El-Maraghy, S.S. M., and **Issa, A.A.** (2006): Physiological Responses of Wheat and Barley to Biofertilization. *J. of Botany Assuit University*, 35 215–222.
39. **Issa.A.A.** ,Adam.M.S. ,Hifney.A.F and Al-Abssy A.A. (2006):Seasonal Variation of crust Algae on the great sub-group of soil at Assiut Governorate. *J.of Botany Assiut Universiyy*,35.,127-147.
40. Hifney.A.F , **Issa.A.A.** ,Adam.M.S. , and Al-Abssy A.A. (2009): The influence of the heavy metals(Cd,Ni&Pb) concentrations on the algal distribution as well as species compositions in relation to soil types in Assiut ,Egypt. *J.of Botany Assiut Universiyy*,38.,121-134.
41. **Issa.A.A.** ,Adam.M.S. ,Hifney.A.F and Al-Abssy A.A.(2010) :The growth and metabolic response of *Chlamydomonas reinhardtii*, *Chlorococcum humicola* and *Scenedesmus obliquus* (green algae) and *Anabaena circinalis* ,*Wolleea saccata* (blue-greens) to heavy metals toxicity . *Accepted in the Second International Conference on Phycology, Limnology and Aquatic sciences, 14-15 Feb.(2010).*