

CURRICULUM VITAE

Name: Fathy Mohamed Sayed Morsy

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Languages

- 1- English: TOEFL score 230 (computer-based test, 573 paper-based test).
- 2- Arabic: Native

Academic Record

- 1- From September 1991 to May 1995: Bachelor of Science in Botany from Faculty of Science, Assiut University, Assiut, Egypt.
- 2- From September 1996 to May 1997: Pre-Master courses in plant physiology and biochemistry from Faculty of Science, Assiut University, Assiut, Egypt.
- 3- From September 1997 to June 2000: Master of Science in plant physiology and biochemistry from Faculty of Science, Assiut University, Assiut, Egypt. (Title: Salt stress tolerance of two crop plants at early seedling stage.).
- 4- From April 2003 to October 2003: Research student in Graduate school of Natural Science and Technology, Kanazawa University, Kanazawa, Japan
- 5- From October 2003 to September 2007: PhD of Science in plant biochemistry from



Graduate school of Natural Science and Technology, Kanazawa University, Kanazawa, Japan. (Title: Biochemical Studies on Ferredoxin-NADP⁺ Oxidoreductase (FNR) and Thermostable Glucosidase in Cyanobacteria.).

Research interests:

- 1- Protein biochemistry (purification, characterization, subcellular localization...etc)
- 2- Hydrogen production by cyanobacteria
- 3- Photosynthetic electron transport
- 4- Molecular biology (Gene cloning, expression.....etc)
- 5- Water stress physiology on higher plants
- 6- Plant cell metabolism (Osmolites, amino acids, polysaccharides, pigments...etc)
- 7- Cyanobacterial physiology
- 8- Higher plants physiology
- 9- Plant enzymology (Isozymes, kinetics.....etc)

List of Publications

- 1- Fathy Mohamed Morsy, Masato Nakajima, Takayuki Yoshida, Tatsuki Fujiwara, Toshio Sakamoto, Keishiro Wada. (2007) Subcellular localization of ferredoxin-NADP⁺ oxidoreductase in phycobilisome retaining oxygenic photosynthetic organisms. *Photosynthetic Research*, 95(1): 73-85
- 2- Fathy Mohamed Morsy, Satomi Kozuha, Yayoi Takani, Toshio Sakamoto (2008). Novel thermostable glycosidases in the extracellular matrix of the terrestrial cyanobacterium *Nostoc commune*. *Journal of General and Applied Microbiology* 54: 243-252

Patent No. 21193 (31 December, 2000): accepted and published by the Academy of Scientific Research and Technology (ASRT) in Egypt. The patent is in the scope of water environmental studies of cyanobacteria and other planktonic organisms.

List of Abstracts/Proceedings

- 1- Fatthy Morsy, Takayuki Yoshida, Tatsuki Fujiwara, Masato Nakajima, Toshio Sakamoto, Keishiro Wada. (2005) Biochemical characterization of ferredoxin-NADP⁺ oxidoreductase (FNR) from the cyanobacterium *Spirulina platensis*. (The Botanical Society of Japan, Toyama 2005, abstract published in *Journal of plant research* vol. 118 Supplement Page 95)

- 2- Fatthy Morsy, Takayuki Yoshida, Tatsuki Fujiwara, Masato Nakajima, Toshio Sakamoto, Keishiro Wada. (2006) Comparative study of ferredoxin-NADP⁺ oxidoreductase in cyanobacteria and red algae. (The 30th Annual Meeting of the Japanese Society of Phycology, Kagoshima 2006, abstract published in *The Japanese Journal of Phycology* Vol. 54 No.1 Page 56).

- 3- Fatthy Mohamed Morsy¹, Satomi Kozuha², Yayoi Takani³, Toshio Sakamoto¹ (2007) Characterization of a thermostable fasciclin protein with glucosidase activity in the terrestrial cyanobacterium *Nostoc commune*. (The 71th Annual Meeting of the Botanical Society of Japan. Tokyo, (NODA 2007).

- 4- Amany H. Abdel-Hameed, Fatthy Mohamed Morsy, and Refaat Abdel-Basset (2009) Characterization and kinetics of uptake and bidirectional hydrogenases in *Cylindrospermum* sp. (*The First International Conference of Biological Sciences, Assiut University, Egypt*).

Scientific Societies Memberships

- 1- From 2005 up to present: Member in the Botanical Society of Japan.
- 2- From 2006 up to present: Member in the Japanese Society of Phycology.

Employment record

- 1- From January 1996 to September 2000: Demonstrator in Botany Department, Faculty of Science, Assiut University, Egypt
- 2- From September 2000 up to March 2003: Assistant lecturer in Botany Department, Faculty of Science, Assiut University, Egypt
- 3- From December 2007: Lecturer in Botany Department, Faculty of Science, Assiut University, Egypt