

1 -MU_FSCI_POTA_DATA_ Mohamed. Hefnawy

Name: Prof. Mohamed Ali Afifi Hefnawy

Job: Professor of Microbiology and the previous Head of Botany Department

Date of Birth: 25/10/1959

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Scientific Degrees:-

- 1- B.Sc in Botany from Faculty of Science- Menoufia University may 1981.
- 2- M.Sc in Microbiology from Faculty of Science- Menoufia University 1987.
- 3- Ph.D in Microbiology from Faculty of Science- Menoufia University 1993 (Channel system with London University).
- 4- Assistance Professor of Microbiology 24/3/1999.
- 5- Professor of Microbiology 24/3/2004.

Scientific Careers:-

- 1- Assistant in Botany Department Faculty of Science- Menoufia University from 25/1/1982.
- 2- Assistant lecturer in Botany Department Faculty of Science- Menoufia University from 3/11/1987.
- 3- Lecturer in Botany Department Faculty of Science- Menoufia University from 20/2/1994.
- 4- Assistant Professor in Botany Department Faculty of Science- Menoufia University from 24/3/1999.
- 5- Acting Head of Botany Department Faculty of Science- Menoufia University from 18/4/1999 (for 5 Years).
- 6- Professor in Botany Department Faculty of Science- Menoufia University from 26/4/2004.

7- Head of Botany Department Faculty of Science- Menoufia University from 16/5/2004 to 29/ 9/2005.

Scientific Activities:-

- 1- Ph.D student in Queen Mary college London University for two years from september 1991 to September 1993 according to the channel system for PhD study.
- 2- Scientific training for 3 monthes in Queen Mary College London University 1995.
- 3- Attendance of many international Conferonce and presentation of papers.
- 4- Attendance of training in the field of Biotechnology, Molecular genetics and Molecular Biology.
- 5- Supervision of 14 M.Sc thesis, 9 from them have been granted.
- 6- Supervision of 6 Ph.D thesis, 4 from them have been granted.
- 7- 28 paper have been published in national and international Journals.
- 8- Reword a prize excellent stuff members in the faculty of Science Menoufia University on the year 2000.

**General list of publication for Prof. Dr. Mohammed
Ali Afifi Hefnawy**

- 1-El-Abyad M. S and Afifi M. A. (1989):** Effect of some environmental factors on sugar beet *Fusarium* pathogen. 1 st communication. Germination and survival of Macroconidia. **Zentralbl. Mikrobiol.** 144: 489-496.
- 2-El-Abyad M. S and Afifi M. A. (1989):** Effect of some environmental factors on sugar beet *Fusarium* pathogen. 2nd communication. Growth and sporulation. **Zentralbl. Mikrobiol.** 144: 497-508.
- 3-Hefnawy M. A. (1996):** Phospholipids and fatty acids composition in copper tolerant *Fusarium oxysporum*. **First international conference on fungi: Hopes and Challenges Cairo, 2-5 Sept.** Vol. (1) 21-30.
- 4-Hefnawy M. A., El-Halafawy K. and El- Mongy M. (1997):** Changes in phospholipids and fatty acid composition of *Penicillium corylophilum* and *Halobacterium halobium* as a response of NaCl stress. **African J. of Mycology and Biotechnology** 5 (3) 37-48.
- 5-El Sheikh H. H., El-Meliegy M. A. and Hefnawy M. A. (1997):** Fungal biosynthesis of vanadium-proteins, metallothioneins and chelators. **African J. of Mycology and Biotechnology** 5 (1) 23-35.
- 6-Hefnawy M. A. and Evans R. L. (1998):** Effect of osmotic stress on the respiratory activity of *Penicillium expansum*. **Microbiol. Res.** 153, 131-135.
- 7-Hefnawy M. A. and Razak A. A. (1998):** Alteration of cell-wall composition of *Fusarium oxysporum* by copper stress. **Folia Microbiol.** 43 (5), 453-458.
- 8-Hefnawy M. A. (1999):** Effect of copper stress on membrane fluidity and lipid composition of a copper tolerant strain of *Fusarium oxysporum*. **Egypt. J. Microbiol.** 34(2), 201-215.
- 9-Hefnawy M. A., Nasr M. I. and El-Mongy M. (1999):** Growth and soluble amino acid composition in *Penicillium corylophilum* and

Halobacterium halobium grown under salt stress. **Folia Microbiol.** 44(1), 25-31.

- 10-**Abu-Seidah A. A., Hefnawy M. A. and Abu-Dahab N. F. (2001):** sequences of temperature stress on amino acids and secondary metabolites of *Aspergillus niger* and *Aspergillus fumigatus*. **Azhar J. Microbiol.** 52,26-45.
- 11- **Hefnawy M. A. and Azab E. A. (2000):** Copper-induced cell wall changes and metal-binding capacity in *Penicillium citrinum* and *Streptomyces anulatus*. **Azhar J. Microbiol.** 49,161-174.
- 12- **Azab E. A. and Hefnawy M. A. (1999):** Copper metallo-protein in *Streptomyces anulatus* and *Penicillium citrinum*. **J. Union Arab Biol,Cairo Vol.8 Microbiology and Viruses** 403-415. 6th International Conference 8-11 Nov.99.
- 13- **Hefnawy M. A., Gharieb M. M. and Abu- Seida A. A. (2000):** Mitochondrial response to osmotic stress in *Aspergillus candidus*. **Online J. of Biological Sciences.** 1 (11): 1098-1100.
- 14- **Hefnawy M. A. (1999):** Polyols and soluble amino acids in two filamentous fungi grown under reduced water activity. **Second international conference on fungi :Hopes and Challenges.** Cairo, 29th Sep.- 1st Oct. Vol. (II) 135-141.
- 15- **Emara T. E. and Hefnawy M. A. (2000):** Biological activity of some fungal extracts against the development of the cotton leaf worm *Spodoptera littoralis*. **J. Egypt, Germany Sco. Zool.** Vol. 33 (E), Entomology, 217-225.
- 16- **Asmaa S. S. and Hefnawy M. A. (1998):** Synthesis and reactions of some new pyrimidine derevatives and other potential biological activities. **Al-Azhar Bull. Sci.** 9 (1): 1- 12.
- 17-**Ola Taha, Hefnawy M. A. and Sobhey E. M. (2001):** Physico-chemical properties and phytoplankton composition of the River Nile at Helwan area, Egypt. **J. Egypt acad. Soc. Environ. Develop.** 2 (4): 1-29.
- 18-**Hefnawy M. A. (2001):** Effect of osmotic stress on *Aspergillus chevalieri* respiratory system. **Folia Microbiol.** 46(5), 407-412.

- 19- **Metwally M. A and Hefnawy M. A. (2001):** Growth, Ochratoxin A production and some metabolic activities of *Aspergillus ochraceus* at different NaCl concentrations. **Pakistan J. Biological Sciences** 4 (6), 714-717.
- 20- **Hefnawy M. A., El-Said M. Hussein and Maisa M. Amin (2002):** Fungal leaching of uranium from its geological ores in Alloga area, west central Sinai, Egypt. **Online Journal of Biological Sciences** 2(5), 346-350.
- 21- **Hefnawy M. A., Hashad A. and Maisa M. Amin (2002):** Optimization of uranium leaching parameters by *Aspergillus terreus* and *Penicillium spinulosum*. **Proceeding of the third international conference on fungi: Hopes and Challenges. Cairo, 30th Oct.- 31th Oct.** Vol. (1) 17-34.
- 22- **Hefnawy M. A., Gharieb M. M. and Mahmoud N. (2002):** Efficacy of certain medical drugs, heavy metals and their combination against *Candida albicans* and *Trichophyton mentagrophytes*. **African J. of Mycology and Biotechnol.** 10 (1) 29-47.
- 23- **Hefnawy M. A. (2002):** Influence of selenium stress on plasma membrane fluidity and lipid composition of *Penicillium expansum*. **Egypt J. Microbiol.** 37 (2): 117-133.
- 24- **Hefnawy M. A., Abou-Zeid A. M. (2003):** Differential adaptation of membranes of two osmotolerant fungi, *Aspergillus chevalieri* and *Penicillium expansum* to high sucrose concentrations. **Acta Microbiologica Polonica.** 52 (1), 53-64.
- 25- **Gharieb M. M., Hefnawy M. A. and Azaa Soliman (2004):** Altration of the fungicidal effect of copper oxy chloride against *Fusarium oxysporum* and *Alternaria solani* by heavy metals. **The African J. of Mycology and Biotechnol.** 12(1) 11-33.
- 26- **Gharieb M. M., Hefnawy M. A. and Ghada El-Houssany (2004):** Cellular free amino acids and ultra structural changes of *Fusarium oxysporum* and *Alternaria solani* by heavy metals. **The African J. of Mycology and Biotechnol.** 12(1) 11-33.

- 27- Hefnawy M. A., Ali M. I. And Abdul-Ghany (2008):** Lipid composition and membrane fluidity of *Chaetomium globosum* to copper and cobalt stress (under publication in *Acta microbiologica*).
- 28- Hefnawy M. A., Ali M. I. And Abdul-Ghany (2008):** Influence of copper and cobalt stress on morphology and ultra-structure of *Chaetomium globosum* and *Stachybotrus chartarum*. (under publication in *Folia microbiologia*).