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**Botany and Microbiology Department**

**Faculty of Science**

**Assiut University**

 **CURRICULUM VITAE**



**of**

Prof. Dr. M.M. Khalil Bagy

**1- Personal Information:**

 Name: Magdy M. Khalil Bagy

 Date of Birth: 02 /05/ 1952

 Current Position: Professor of Microbiology

 Citizenship: Egyptian

 Marital Status: Married

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 University of Assiut, Assiut 71515, EGYPT

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 **2-** **Academic Qualifications :**

1. Ph.D. Botany (Microbiology), Faculty of Science, Assiut University , Egypt , Dec.1983
2. M.Sc. Botany (Microbiology), Faculty of Science, Assiut University , Egypt , May.1979
3. B.Sc. (Botany), Assiut University, Egypt, June, 1974.

**3- Academic Positions:**

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| November 2014 till now | Editor of Assiut Journal of Botany |
| September, 2011- June, 2012 | Counsellor of Assiut University President for publish and marketing of University book affairs |
| August 2006 till 2012 | Head of Botany and Microbiology Department, Faculty of Science, Assiut University. |
| June 1993-till now  | Professor of Mycology at Botany and Microbiology Department, Faculty of Science, Assiut University, Assiut, Egypt. |
| Feb. 1988-June 1993 | Assistant Professor of Mycology at Botany and Microbiology Department, Faculty of Science, Assiut University, Assiut, Egypt. |
| Jan.1983 - Feb. 1988 | Lecturer at Botany and Microbiology Department, Faculty of Science, Assiut University, Assiut, Egypt. |
| June 1979 - jan.1983 |  Assistant Lecturer, Botany and Microbiology Department, Faculty of Science Assiut University, Assiut, Egypt. |
| Oct.1974-June 1979 | Instructor, Botany and Microbiology Department, Faculty of Science Assiut University, Assiut, Egypt. |

**4- Scientific Experinces:**

1. Research Interest:

 keratinophilic fungi, Dermatophytes, Environmental microbiology,

 Resistance against powdery mildews, Bioenergy research.

1. More than 75 papers were published in different national or

 international journals.

1. Supervising many successful M.Sc. and Ph.D. Thesis at Assiut

 University.

1. Teaching several courses for undergraduate and postgraduate students.

**5- Member of Professional Organization:**

Member of Egyptian Plant Society.

 Member of Egyptian Society of Microbiology.

 Member of Basic and Applied Mycological Society.

**6- project**

1. Member of Management team “Project of Development of Faculty of science).
2. Botany Projects
	1. Development of bacteriology laboratory (7.1).
	2. Improving the molecular biology teaching quality and research facilities in botany department (7.2).

**7- Prizes:**

1. The prize of the best research in basic Botany at 1995, Assiut University.
2. Assiut University Award for Distinguished Departmental Leadership (2007).
3. Faculty of Science award for the highest impact factor papers in Botany and Microbiology Extracted from M.Sc. & Ph.D. Thesis (2014).
4. Faculty of Science award for the highest impact factor papers in Botany and Microbiology Extracted from M.Sc. & Ph.D. Thesis (2015).

**List of Publications**

1- Mazen, M.B. and **Bagy, M.M. K**. (1982): Effect of temperature on fungi in soil non-amended with any organic matter. Bull. Fac.Sci. Assiut Univ. 11: 83-94.

2- Mazen, M.B. and **Bagy, M.M. K.** (1982): Effect of temperature and moisture content on fungi in soil amended with 3% wheat straw. Bull. Fac. Sci. Assiut Univ. 11: 119-133.

3- Mazen, M.B. and **Bagy, M.M. K.** (1983): Effect of temperature and moisture content on fungi in soil amended with organic matter and nitrogen source. Bull. Fac. Sci. Assiut Univ. 12: 35-42.

4- **Bagy, M.M. K.** and Abdel-Hafez, S.I.I. (1984): Effect of sodium chloride on Egyptian soil fungi. Bull. Fac. Sci. Assiut Univ. 13: 47-58.

5- Abdel-Hafez, S.I.I and **Bagy, M.M. K.** (1984): Effect of donkey dung on Egyptian osmophilic and cellulose decomposing soil fungi. Bull. Fac. Sci.Assiut Univ. 13: 59-70.

6- **Bagy, M.M. K**. and El-Sharouny, H.M.M.(1985): Preliminary study of coprophilous fungi on different dung substrates in Egypt. Sohag Pure & Applied Science, Bull. Fac. Sci., Egypt 3: 25-38.

7- Megalla, S.E., Abdou, R.F. and **Bagy, M.M. K.** (1985): Fungal flora of Egyptian baladi bread with special reference to the mutagenic effects of their toxic metabolites. Mycopath. 89: 35-41.

8- Abdel-Hafez, S.I.I and **Bagy, M.M. K**. (1985): Survey on the terrestrial fungi of Ibrahimia canal water in Egypt. Proc. Egypt. Bot. Soc. 4: 106-123.

9- **Bagy, M.M. K**. and Abdel-Hafez, S.I.I (1985): Effect of animal dung on Egyptian soil fungi. Proc.Egypt. Bot. Soc. 4: 1588-11600 .(Ismailia Conference).

10- **Bagy, M.M. K** and Abdel-Hafez, A.I.I (1985): Mycoflora of camel and goat hairs from Al-Arish, Egypt. Mycopath. 92: 125-128.

11- **Bagy, M.M. K**., Abdel-Mallek, A.Y. and Moharram, A.M. (1985): Succession of fungi on camel dung. Egypt. J. Bot. 28: 61-70.

12- Moharram, A.M , **Bagy, M.M. K.** and Abdel-Mallek, A.Y. (1985): Succession of thermophilic and thermotolerant fungi on camel dung. Egypt., J. Bot. 28: 71-78.

13- **Bagy, M.M.K.** (1986): Fungi on the hair of large mammals in Egypt. Mycopathol. 93: 73-75.

14- **Bagy, M.M. K.**, Moharram, A.M , and Abdel-Mallek, A.Y. (1986): Coprophilousfungi of the camel. Bull. Fac. Sci. Assiut Univ. 15: 1-10.

15- Moharram, A.M , **Bagy, M.M. K.** and Abdel-Mallek, A.Y. (1987): Saprophytic fungi isolated from animals and bird pens in Egypt. J. Basic Microbiol. 27: 361-367.

16- Abdel-Mallek, A.Y. Moharram, A.M and **Bagy, M.M. K**. (1987): Effect of soil treatment with sewage and sludge on fungal population. J. Basic Microbiol. 28: 565-570.

17- **Bagy, M.M. K**. and Gohar Y.M. (1988): Mycoflora of air-conditioners dust from Riyadh, Saudi Arabia. J. Basic Microbiol. 28: 571-577.

18- Abdel-Mallek, A.Y. , **Bagy, M.M. K.** and Moharram, A.M (1988): Fungi of the floor dust in students residential halls of Assiut Univ. Egypt, J. Bot. 31: 69-80.

19- El-Sharouny, H.M.M., **Bagy, M.M. K.** and El-Shanawany A.A. (1988): Toxicity of heavy metals to Egyptian soil fungi. Int.Biodet. 24: 49-64.

20- **Bagy, M.M. K**. Abdel-Mallek, A.Y., and Moharram, A.M (1989): Keratinophilic fungi of animal and bird pens in Egypt. J. Basic Microbiol. 29: 337-340.

21- Abdel-Mallek, A.Y., **Bagy, M.M. K**. and Moharram, A.M (1989): Keratinophilic fungi of Wadi Qena in Egypt. Folia Microbiol. 34: 37-41.

22- Maghazy, S.M.N., Abdel-Mallek, A.Y. . and **Bagy, M.M. K** .(1989): Fungi in two swimming pools in Assiut town, Egypt. Zentralbl. Mikrobiol. 144: 213-216.

23- Abdel-Hafez, S.I.I., Zidan, M.A., **Bagy, M.M.K**. and Abdel-Sater, M.A. (1989): Distribution of two halophilic fungi in the Egyptian soils and glycerol accumulation. Cryptogamie, Mycol. 10: 125-133.

24- Abdel-Hafez, A.I.I., **Bagy, M.M.K.** and Shoreit, A.A.M. (1989): Kerat-inophilic fungi in mud of Ibrahimia canal, Egypt. Cryptogamie, Mycol., 10: 275-282.

25- **Bagy, M.M.K**., Abdel-Hafez, A.I.I and Shoreit, A.A.M. (1989): Mycoflora of mud from Ibrahimia canal, Egypt. Sohag Pure & Appl. Sci. Bull. Fac. Sci. Egypt. 5: 85-100.

26- El-Sharouny, H.M.M., **Bagy, M.M.K.** and El-Shanawany, A.A. (1989): Effect of six heavy metal ions on the mycelial growth of some Egyptian soil fungi. Bull. Fac. Sci., Assiut Univ. 18: 1-13.

27- Abdel-Hafez, S.I.I., Moubasher, A.H., **Bagy, M.M.K.** and Abdel-Sater, M.A. (1989): Seasonal fluctuations of halophilic and halotolerant soil fungi in upper Egypt-extreme-arid region. Bull. Fac. Sci., Assiut Univ. 18: 13-25.

28- Moubasher, A.H, Abdel-Hafez, S.I.I., **Bagy, M.M.K.** and Abdel-Sater, M.A. (1989): Seasonal variations of halophilic and halotolerant air-borne fungi in Egypt. Bull. Fac. Sci., Assiut Univ. 18: 27-44.

29- El-Sharouny, H.M.M., **Bagy, M.M.K.** and El-Shanawany, A.A. (1990): Toxicity of heavy metal ions to cellulose decomposing fungi in Egyptian soil. Bull. Fac. Sci., Assiut Univ. 19: 17-36.

30- Moubasher, A.H, Abdel-Hafez, S.I.I., **Bagy, M.M.K.** and Abdel-Sater, M.A. (1990): Halophilic and halotolerant fungi in cultivated, desert and salt marsh soils from Egypt. Acta Mycol Vol. XXVI (2): 65-81.

31- **Bagy, M.M.K**. (1991): Thermophilic and thermotolerant fungi isolated from gas stop soils in Egypt. Bull. Fac. Sci., Assiut Univ. 20: 113-120.

32- **Bagy , M.M.K.** and Abdel-Mallek, A.Y. (1991): Fungi of the hair of small mammals in Egypt. Cryptogami, Mycol., 12: 63-69.

33- **Bagy, M.M.K.** and Abdel-Mallek, A.Y. (1991): Saprophytic and keratinolytic fungi associated with animals hair from Riydh, Saudi Arabia. Zentralbl. Mikrobiol. 146: 305-310.

34- **Bagy, M.M.K**., El-Sharouny, H.M.M. and El-Shanawany, A.A. (1991): Effect of pH and organic matter on the toxicity of heavy metals to growth of some fungi. Folia Microbiol. 4: 367-374.

35-Khallil, A.M., **Bagy, M.M.K.** and El-Shimy, N.A. (1991): Mycoflora associated with five species of freshwater leeches. J. Basic Microbiol. 31: 437-446.

36- Khallil, A.M., El-Hissy, F.T and **Bagy, M.M.K.** (1991): Mycoflora of mangroves of Red Sea in Egypt. Folia Microbiol. 36: 456-464.

37- **Bagy, M.M.K.** and Abdel-Mallek, A.Y. (1991): Thermophilic and thermotolerant fungi of animal's hair. Acta Microbiol. Hung. 38: 117-120.

38- **Bagy, M.M.K.** (1992): Saprophytic and keratinophilic fungi isolated from desert and cultivated soils continuously exposed to cement dust particles in Assiut, Egypt. Zentralbal. Mikrobiol. 147: 418-426.

39-Abdel-Aleem, H. **Bagy, M.M.K.** and Moharram, A.M. (1992): Role of vaginal candidosis in Abnormal discharge. Assiut Med. J. 16: 143-150.

40- **Bagy, M.M.K.** and Hemida, S.K. (1992): Air spora and leaf surface of three plants exposed to cement dust in Assiut, Egypt. Bull. Fac. Sci., Assiut Univ. 21: 117-132.

41- **Bagy, M.M.K.**, Shoreit, A.A.M. and Hemida, S.K. (1992): Naphthalene-anthracene utilizing microorganisms. J. Basic Microbiol. 32: 299-308.

42- **Bagy, M.M.K** , Khallil, A.M. and Oubid-Allah (1992): Fungi inhabiting some aquatic macro-invertebrates and water plants of the Nile at Egypt. Zentralbl. Mikrobiol. 147: 459-475.

43- Moharram, A.M., **Bagy, M.M.K.** and Abdel-Gallil, F.M. (1992): Fungi associated with the sand termite ***Psammotermes hypostoma*** Desneux in Assiut. Mycol 84: 930-935.

44- **Bagy, M.M.K.** (1992): Keratinophilic and non-keratinophilic fungi of oil polluted soils in Assiut , Egypt. Bull. Fac. Sci., Assiut Univ. 21: 65-74.

45- Hemida, S.K., **Bagy, M.M.K**  and Khallil, A.M (1993): Fungal flora of cement polluted soils in Egypt. Zentralbl. Mikrobiol. 148: 148-157.

46- Hemida, S.K. and **Bagy, M.M.K.** (1993): The inhibition of soil fungi by the triazol fungicide, Tilt. Bull. Fac. Sci., Assiut Univ. 22: 71-82.

47- Hemida, S.K., **Bagy, M.M.K** and Khallil, A.M (1993): Utilization of hydrocarbons by fungi. Cryptogamie, Mycol.14: 207-213.

48- **Bagy, M.M.K**., Hemida, S.K. and Mahmoud , U.M.(1993): Terrestrial fungi inhabiting certain species of Nile fishes in Egypt. Zentralbl. Mikrobiol. 148: 289-297.

49- **Bagy, M.M.K** and Hemida, S.K (1993): Response of soil fungi to the herbicide primextra. Zentralbl. Mikrobiol. 148: 298-303.

50- Hemida, S.K., **Bagy, M.M.K** and Moharram, A.M. (1993): Biological activity of three pesticides on cellulose decomposing fungi. Bull. Fac. Sci., Assiut Univ. 22: 87-100.

51- **Bagy, M.M.K** and Hemida, S.K (1993): Changes in population of cellulose decomposing fungi in pesticide-treated soil. Bull. Fac. Sci., Assiut Univ. 22: 43-57.

52- Hasan, H.A.H., **Bagy, M.M.K.** and Abdel-Mallek, A.Y. (1993): The incidence of fungi in human axillary hair and their toxigenic potentialities. Cryptogamie, Mycol. 14: 297-306.

53- Hemida, S.K. and **Bagy, M.M.K** (1994): Influence of a pyrethroid insecticide on soil fungi. Water Air & Soil pollution 76: 397-405.

54- Mazen, M.B., Moubasher, A.H. and **Bagy, M.M. K.** (1994): Seasonal distribution of fungi in bird's nests in Egypt. Microbiol. Resch. 149: 3429-434.

55- Abdel-Mallek, A.Y., **Bagy, M.M.K.** and. Hasan, H.A.H., (1994): The in-vitro anti-yeast activity of some essential oils. J. Islamic Acad. Sci. 7: 10-12.

56- Shoreit, M.N and **Bagy, M.M.K.** (1995): Mycoflora associated with stonebrood disease in honeybee colonies in Egypt. Microbiol. Resch. 150: 1-5.

57- Abdel-Mallek, A.Y., Hasan H.A.H and **Bagy, M.M.K.** (1995): Efficacy of hydrocarbones against soybean seed-borne fungi and aflatoxin production. Seed Sci. Techn. 23: 183-192.

58- Abdel-Mallek, A.Y., Hemida, S.K. and **Bagy, M.M.K.** (1995): Studies on fungi associated with tomato fruites and effectiveness of some commerical fungicides against three pathogens. Mycopathol. 130: 109-116.

59- Abdel-Mallek, A.Y., Omar, S.A. and **Bagy, M.M.K**. (1995): Influence of licid on fungi of human hair and keratin degradation. J. Islam. Acad. Sci. 8: 119-126.

60- **Bagy, M.M.K**., El-Shanawany, A.A. and Mallek, A.Y., (1998): Saprophytic and cycloheximide resistant fungi isolated from golden hamster. Acta Microbiol. Immun. Hun. 45: 195-207.

61- Wiese J., **Bagy, M.M.K**. and Schubert S. (2003): Soil properties, but not plant nutrients (N,P,K) interact with chemically induced resistance against powdery mildew in barley. J. Plant Nutrition and Soil Science 166: 379-384.

62- Khallil, A. M.; **Bagy, M. M**. **K.**; El-enany, A.E. and Osman, R. A.(2005):

 Monthly fluctuations of zoosporic and terrestrial fungi inhabiting sewage at Assiut (Upper Egypt). 3 rd International Conference on Environment and Natural Resources, Taiz Univ., Taiz, Yemen, 3 – 5 May, 2005.

63- **Bagy, M. M. K.** and Hasan, H. A. H. (2006): Fungal occurrence in pickles, lipase production and their activities under salinity and essential oils. Assiut Univ. J. Botany, 35 (1): 173 – 186.

64- **Bagy, M. M. K.**; Khallil, A. M.; El-enany, A. E. and Osman, R. A. (2007): Seasonal variations of zoosporic and terrestrial fungi inhabiting sewage at Assiut (Upper Egypt). The Fourth Sci. Conf. on Environ. and Natural Resources, Taiz Univ. (Yemen), 14 – 16 May 2007.

65- Hassan A. E. , Morsy M. F. , Koutb M. and **Bagy, M. M. K.** (2011) Keratinase production by keratinolytic fungi isolated from feathers collected from chicken farms and slaughtering houses in Upper Egypt.(The third Scientific Conference For young researchers-Basic Science & Technology, **2011**).

66- Hassan A. E. , Morsy M. F. , Koutb M. and **Bagy, M. M. K.** (2012) Optimization of extracellular keratinase production by *Aspergillus* *terreus* isolated from chicken's litter. J. Advanced Laboratory Research Biology, 3:187-194.

67- Hassan A. E. , Morsy M. F. , Koutb M. and **Bagy, M. M. K.** (2012) Some studies on keratinase activity produced by a thermophilic fungus *Aspergillus* *fumigatus*. Assiut Univ. J. Botany, 41 (1).

68- Ghada A. M., Koutb M. M. M., Morsy F. M. and **Bagy** **M. K.** (2012)Mycoflora Isolated from Mazot and Solar Polluted Soils in Upper Egypt. “10th International Conference of Egyptian Soil Science Society (ESSS), Alexandria, Egypt, 5-8 November, 2012”.

69- Abd-Alla MH, Issa AA, Morsy FM, **Bagy MK** (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 :340-51. <http://www.formatex.info/energymaterialsbook>

70- Mohamed Hemida Abd-Alla, Abdel-Wahab El-enany, **Magdy Khalil Bagy** and Shymaa Ryhan Bashandy (2013). Alleviating the inhibitory effect of salinity stress on nod gene expression in *Rhizobium* *tibectcum*-fenugreek (*Trigonella* *foenum* *graecum*) symbiosis by isoflavonoids treatment. J. Plant Interactions.

71- Mohamed Hemida Abd-Alla, **Magdy Khalil Bagy**, Abdel-Wahab El-enany and Shymaa Ryhan Bashandy (2013). Activation of rhizobium tibectcum with flavonoids enhances nodulation, nitrogen fixation and growth of fenugreek (*Trigonella* *foenum*-*graecum* L.) grown in cobalt polluted soil. Archives Environmental Contamination and Toxicology (Accepted).

72- **Magdy Mohamed Khalil Bagy**, Mohamed Hemida Abd-Alla, Fatthy Mohamed Morsy and Elhagag Ahmed Hassan (2014). Two Stage Biodiesel and Hydrogen Production from Sugarcane Molasses by Oleaginous Fungi and *Clostridium* *acetobutylicum* ATCC 824. Int J Hydrogen Energy, 39:3185-3197.

73- Mohamed Hemida Abd-Alla, Shymaa Ryhan Bashandy, **Magdy Khalil Bagy** and Abdel-Wahab El-sadek El-enany (2014). *Rhizobium* *tibeticum* activated with a mixture of flavonoids alleviates nickel toxicity in symbiosis with fenugreek (*Trigonella* *foenum* *graecum* L.). Ecotoxicology. <http://link.springer.com/article/10.1007/s10646-014-1239-1>

74- Nivien A. Nafady, Fatthy M. Morsy, **Magdy MK Bagy**, Mohamed H Abd-Alla and Ghada A. M. Moukabel (2014). Fungal Diversity in *Zea* *Mays* Plants and Potential of *Aspergillus* *terreus* for Ribovlavin Production. Assiut Univ. J. Botany, 43 (2) 1-25**.**

75- Mohamed Hemida Abd-Alla, **Magdy Mohamed Khalil Bagy**, Fatthy Mohamed Morsy, Elhagag Ahmed Hassan (2014): [Enhancement of biodiesel, hydrogen and methane generation from molasses by *Cunninghamella* *echinulata* and anaerobic bacteria through sequential three-stage fermentation](http://www.sciencedirect.com/science/article/pii/S0360544214011918). Energy; 78: 543-554.

 76- Elhagag Ahmed Hassan, Mohamed Hemida Abd-Alla, **Magdy Mohamed Khalil Bagy**, Fatthy Mohamed Morsy (2015). [*In* *situ* hydrogen, acetone, butanol, ethanol and microdiesel production by *Clostridium* *acetobutylicum* ATCC 824 from oleaginous fungal biomass](http://scholar.google.com/citations?view_op=view_citation&hl=en&user=aOFScOYAAAAJ&citation_for_view=aOFScOYAAAAJ:2osOgNQ5qMEC). Anaerobe, 34:125-131.

77- Nivien Allam Nafady, **Magdy Mohamed Khalil Bagy**, Mohamed Hemida Abd-Alla, Fatthy Mohamrd Morsy and Ghada A. M. Moukabel (2015). Improvement of medium components for high riboflavin production by *Aspergillus* *terreus* using response surface methodology. Rend. Fis. Acc. Lincei. DOI 10.1007/s12210-015-0449-7.

78- Ghada A. Mahmoud, Mostafa M. Koutb, Fatthy M. Morsy and Magdy M.K. Bagy (2015). Characterization of lipase enzyme produced by

78- Hassan A. E., Morsy M. F., Koutb M. and **Bagy M. M. K.** (2015) Biodegradation of chicken feathers by *Chrysosporium* *tropicum* producing plant growth promoting activity. (submitted)