

## ***CURRICULUM VITAE***

**Name** : Heba Salah El Din About Ezz

**Nationality** : Egyptian

**Date of Birth** : 03 –03 – 1963

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### **Education:**

- B.Sc. of Zoology from Faculty of Science, Cairo University, in 1984.
- M.Sc. from Faculty of Science - Cairo University, in 1989.
- Ph.D., from Faculty of Science, Cairo University, in 1998.

**Marital State** : Married with 3 children

**Address** : 9 Mohamed Hassoub St., Faysal

**Academic Post** : Associate Prof. in Neurophysiology, Zoology  
Department, Faculty of Science, Cairo University.

### **WORKSHOPS AND TRAINING COURSES**

- \* Electron Microscope workshop from 23-27 October 1993.
- \* Workshop on “Pollutants as Toxins” from 10-20 December 1994.
- \* Teaching for Large and Small Groups Program from Faculty and Leadership Development Center from 18-20 September 2006.
- \* Credit Hours System Program from Faculty and Leadership Development Center from 13-15 August 2007.
- \* Scientific Publication Program from Faculty and Leadership Development Center from 3-5 September 2007.
- \* National and International Competing Projects Program from Faculty and Leadership Development Center from 10-12 September 2007.
- \* Training course in Strategic Planning from Quality Assurance and Accreditation Center from 17-18 November 2008.
- \* Training course in Criteria for Self-Study – Institutional Capacity and Educational Effectiveness from Quality Assurance and Accreditation Center from 24-26 November 2008.

\* New Trends in Teaching Program from Faculty and Leadership Development Center from 21-23 April 2009.

\* Workshop on Preparation of Feedback Questionnaires and Statistical Analysis of Data from Quality Assurance and Accreditation Center in April 7, 2010.

\* Workshop on Teaching Program Report from Quality Assurance and Accreditation Center in April 13, 2010.

\* Workshop on Criteria for Self-Study and Annual Report from Quality Assurance and Accreditation Center in December 29, 2010.

## **SCIENTIFIC CONFERENCES**

- 1- The 9<sup>th</sup> Scientific Conference of the Zoological Society (A.R.E.) in 28 March, 2002.
- 2- The 11<sup>th</sup> International Conference of Arab Biologists from 7-9 September, 2004.
- 3- The 15<sup>th</sup> International Conference of the Egyptian German Society of Zoology from 26 February- 2 March, 2005.
- 4- The 24<sup>th</sup> Scientific Conference of the Egyptian Society of Basic Medical Sciences in 14 April, 2005.
- 5- The 1<sup>st</sup> Scientific Meeting of Medical Physiology Department, National Research Center on "Atherosclerosis (risk factors, complications and protection)" in 25 September, 2005.
- 6- The 4<sup>th</sup> International Conference of Medical Sciences on "Contemporary Researches on Health Problems", National Research Center from 20-22 December, 2005.
- 7- The 5<sup>th</sup> International Conference of Medical Sciences on "Contemporary Researches on Health Problems", National Research Center from 19-21 December, 2006.
- 8- The 2<sup>nd</sup> International Conference of the Arab Society for Medical Research on "Medical Research in the Arab World- Modes of Collaboration and Development", National Research Center from 11-13 November, 2008.

- 9- Mycotoxicological Risks in Mediterranean Countries: Economic Impact, Prevention, Management and Control Conference, National Research Center from 25-27 October, 2010.
- 10- The 9<sup>th</sup> International Conference of Medical Research Division, National Research Center on "Nutrition and Health" from 20-22 December, 2010.
- 11- A workshop on Acute Hepatitis C Management, National Research Center on December 21, 2010.

## **MEMBERSHIP OF SCIENTIFIC SOCIETIES :**

- Arab Society for Medical Research
- The Egyptian German Society of Zoology
- Zoological Society (A.R.E.)
- Union of Arab Biologists

## **PROJECTS**

"Neurochemical, Histological and Immunohistochemical Studies on Aluminium Toxicity in the Brain and Retina of Albino Rats" Granted by the Research Management Department, Cairo University.

"A Study on the Influence of Mobile Phone Radiation on Some Functions of the Central Nervous System," Cairo University. Granted by the Sector of International Cooperation with USA, Foreign Ministry, Egypt.

## **THESES' SUPERVISION**

1. M.Sc. Degree – Faculty of Science – Cairo University – 1996  
Title: Physiological and nutritional studies on sheep feeding on certain salt plants in Sinai. Awarded 2001.
2. M.Sc. Degree – Faculty of Science – Cairo University – 2004  
Title: The effect of radiation from the mobile phone on amino acid neurotransmitters in the rat brain. Awarded 2008.

3. M.Sc. Degree – Faculty of Science – Cairo University – 2004  
Title: A study on the effect of electromagnetic radiation from mobile phone on the concentrations of some monoamines in different areas of rat brain. Awarded 2007.
4. Ph. D. Degree – Faculty of Science – Cairo University – 1997  
Title: Electrophysiological studies on the antiepileptic effect of vigabatrin in seizure-induced rats. Awarded 2003.
5. Ph.D. Degree – Faculty of Science – Cairo University – 2001.  
Title: Studies on the role of amino acid neurotransmitters in depression by using an animal model and antidepressant treatment. Awarded 2006.
6. Ph.D. Degree – Faculty of Science – Cairo University – 2002.  
Title: Nutritional and physiological studies on the effect of some waste residues of agricultural industries on the productive performance of quail. Awarded 2006.
7. Ph.D. Degree – Faculty of Science – Cairo University – 2008.  
Title: The effect of electromagnetic radiation on some antioxidant parameters in certain brain areas of albino rat and the evaluation of a selected antioxidant as a neuroprotector.

## **TEACHING EXPERIENCE**

1. Teaching Cytology and Histology for 1st Year Students – Zoology Specialization, Faculty of Science, Cairo University.
2. Teaching Physiology for 1st Year Students – Zoology and Chemistry Specialization, Faculty of Science, Cairo University.
3. Teaching Embryology, Evolution and Chordates for 1st Year Students – Zoology and Chemistry Specialization, Faculty of Science, Cairo University.
4. Teaching Nervous System and Muscle Physiology for Pre-dental Students – Faculty of Dentistry, Cairo University.

5. Teaching Endocrine Physiology for 3<sup>rd</sup> and 4<sup>th</sup> Year Students – Zoology and Chemistry Specialization, Faculty of Science, Cairo University.
6. Teaching Neurophysiology for 4<sup>th</sup> Year Students – Zoology and Chemistry Specialization, Faculty of Science, Cairo University.
7. Teaching and Supervising Practical Courses for Predental Students and 1<sup>st</sup>, 3<sup>rd</sup> and 4<sup>th</sup> Year Students – Zoology and Chemistry Specialization, Faculty of Science, Cairo University.

## **LIST OF PUBLICATIONS**

1. Nawal Ahmed, Nasr Radwan, Amal Salam, Kawther Abou El Ela and Heba Salah El Din Aboul Ezz (1989). Oral contraceptive steroid "Norminest" in relation to certain amino acid neurotransmitters in rat brain. *New Egypt. J. Med.*, 3 (5) : 1597-1602.
2. Nawal A. Ahmed, Nasr M. Radwan, Kawther S. Abou El Ela, Amal H. Salam, and Heba Salah El Din (1989). Effect of long acting injectable contraceptive "Depo-Provera" on the metabolism of some amino acid neurotransmitters in rat brain. *Bull. Egypt. Soc. Physiol. Sci.*, 9 (5) : 1-26.
3. Nasr M. Radwan, Nawal A. Ahmed, and Heba S. Abou'l Ezz (2000). Effect of the antidepressant tranylcypramine on the levels of some amino acid neurotransmitters in the hypothalamus of reserpinized rats. *J. Egypt. Ger. Soc. Zool.*, 32 (A) : 147-163.
4. Nasr M. Radwan, Nawal A. Ahmed, and Heba S. Abou'l Ezz (2000). Neurochemical changes in amino acid neurotransmitters in the medulla of reserpinized rats under the effect of TCP. *Egypt. J. Med. Lab. Sci.*, 9 (2) : 87-100.
5. Heba S. Aboul Ezz, Nasr M. Radwan, Nawal A. Ahmed and Rashida A. Noorwali (2002). The effect of vigabatrin on the EEG power spectrum in an animal model of temporal lobe epilepsy. *Egypt. J. Zool.*, 38 : 209-227.
6. Heba S. Aboul Ezz, Nawal A. Ahmed, Nasr M. Radwan and Rashida A. Noorwali (2003). The effect of taurine as a protective agent and as

a co-drug with vigabatrin on the EEG power spectrum of pilocarpinized rats. *J. Egypt. Ger. Soc. Zool.*, 42A : 99-116.

7. Khalid Abd El-Galil, Heba S. Aboul Ezz and Henda A. Mahmoud (2005). Utilization of olive pulp meal as a feedstuff in growing Japanese quail diets. *J. Agric. Sci. Mansoura Univ.*, 30 (12) : 7313-7325.
8. Heba S. Aboul EZZ, Nawal A. Ahmed, Nasr M. Radwan, Taghride A. Hassan and Neveen A. Noor (2006). Effect of fluoxetine on amino acid neurotransmitters in the hypothalamus of reserpinized rats. *Egypt. J. Zool.*, 46 :119-133.
9. Heba S. Aboul Ezz (2006). The chronic effect of aluminum administration on amino acid neurotransmitters in the hippocampus and hypothalamus of adult rat brain. *Egypt. J. Zool.*, 47 : 167-181.
10. Heba S. Aboul Ezz, Nawal A. Ahmed, Taghride A. Hassan, Nasr M. Radwan and Neveen A. Noor (2006). The effect of fluoxetine on some amino acid neurotransmitters and electrocorticogram of the cortex in reserpinized rats. *Sci. Med. J.*, 18 : 51-66.
11. Nawal A. Ahmed, Aman Asaad, Heba S. Aboul Ezz and Nasr M. Radwan (2006). Effect of exposure to electromagnetic radiation from the mobile phone on acetylcholinesterase activity in the hippocampus and striatum of young and adult male rats. *Med. J. Cairo Univ.*, 74 (2) Suppl. : 129-135.
12. Nasr M. Radwan, Nawal A. Ahmed and Heba S. Aboul Ezz (2007). Disturbances in amino acid neurotransmitters induced by mobile phone radiation in the hypothalamus of young and adult albino rats. *J. Union Arab Biol. Cairo*, 27A.
13. Nawal A. Ahmed, Heba S. Aboul Ezz, Yasser A. Khadrawy\* and Nasr M. Radwan (2007). Changes of amino acid neurotransmitter concentrations in striatum and thalamus induced by exposure of young and adult rats to electromagnetic radiation. *Med. J. Cairo Univ.* 75 (2): 73-84.
14. Yasser A. Khadrawy, Nawal A. Ahmed, Heba S. Aboul Ezz, Nasr M. Radwan (2009). Effect of electromagnetic radiation from mobile phone on the levels of cortical amino acid neurotransmitters in adult and young rats. *Romanian J. Biophys.*, 19 (4) : 295–305.

15. Yasser A. Khadrawy, Neveen A. Nour and Heba S. Aboul Ezz (2011). Effect of oxidative stress induced by paradoxical sleep deprivation on the activities of Na<sup>+</sup>, K<sup>+</sup>-ATPase and acetylcholinesterase in the cortex and hippocampus of rat. *Transl. Res.*, 157 (2) : 100-107.
16. Haitham S. Mohammed, Heba S. Aboul Ezz, Yasser A. Khadrawy, Neveen A. Nour (2011). Neurochemical and electrophysiological changes induced by paradoxical sleep deprivation in rats. *Behav. Brain Res.*, 225 : 39– 46.
17. Neveen A. Nour, Heba S. Aboul Ezz, Yasser A. Khadrawy (2011). Effect of mobile phone radiation on some biochemical parameters in different brain areas of adult and young male albino rats. *J. Egypt. Ger. Soc. Zool.*, 63A (Comparative Physiology): 239-256.
18. Heba S. Aboul Ezz, Yasser A. Khadrawy, Neveen A. Nour (2011). The neuroprotective effect of curcumin and *Nigella sativa* oil against oxidative stress in the pilocarpine model of epilepsy: A comparison with valproate. *Neurochem Res.* 36 : 2195–2204.
19. Neveen A. Nour, Heba S. Aboul Ezz, Abdel Razik Faraag, Yasser A. Khadrawy (2012). Evaluation of the antiepileptic effect of curcumin and *Nigella sativa* oil in the pilocarpine model of epilepsy in comparison with valproate. *Epilepsy Behav.* 24 : 199–206.
20. Yasser A. Khadrawy, Heba S. AboulEzz, Nawal A. Ahmed, Haitham S. Mohammed (2013). The Anticonvulant Effect of Cooling in Comparison to  $\alpha$ -Lipoic Acid: A Neurochemical Study. *Neurochem. Res.* 38 (5) : 906-915.
21. Heba S. Aboul Ezz, Yasser A. Khadrawy, Nawal A. Ahmed, Nasr M. Radwan, Marwa M. EL Bakry (2013) The effect of pulsed electromagnetic radiation from mobile phone on the levels of monoamine neurotransmitters in four different areas of rat brain. *Eur Rev Med Pharmacol Sci* 17: 1782-1788.
22. Heba S. Aboul Ezz, Yasser A. Khadrawy (2014). Glutamate excitotoxicity and neurodegeneration *J Mol Genet Med* 8:4
23. Heba S. Aboul Ezz, Yasser A. Khadrawy, Iman M. Mourad (2015). The effect of bisphenol A on some oxidative stress parameters and

acetylcholinesterase activity in the heart of male albino rats  
*Cytotechnology* 67:145–155.

24. Neveen A. Noor, Haitham S. Mohammed, Yasser A. Khadrawy, Heba S. Aboul Ezz, Nasr M. Radwan (2015). Evaluation of the neuroprotective effect of taurine and green tea extract against oxidative stress induced by pilocarpine during status epilepticus. *The Journal of Basic & Applied Zoology* 72, 8–15.
25. Yasser A. Khadrawy, Neveen A. Noor, Iman M. Mourad, Heba S. Aboul Ezz (2015). Neurochemical impact of bisphenol A in the hippocampus and cortex of adult male albino rats. *Toxicology and Industrial Health*
26. Heba S. Aboul Ezz, Yasser A. Khadrawy, Iman M. Mourad (2015). Health Hazards of Bisphenol A. The effect of bisphenol A on vital organs of adult rat. LAP Lambert Academic Publishing, Saarbrücken, Deutschland, Germany.