



## Curriculum Vitae

### Personal Information

**Name** **Mona Khames Galal Mabrouk**  
**Title** Assistant professor of Biochemistry  
**Date of birth** 23/12/1981  
**Place of birth** Giza. Egypt  
**Citizenship** Egyptian

### Contact Information

**Home phone** (202)37985594  
**Work phone** (202)35720799  
**Mobile phone** 01095136316  
**E-mail (s)** [Monagalal@cu.edu.eg](mailto:Monagalal@cu.edu.eg) , [monagalal12@gmail.com](mailto:monagalal12@gmail.com)  
**Web site (s)** <https://scholar.google.com/citations?hl=en&user=y1pKhGkAAAAJ>

### Educational Qualifications

- Ph. D., Faculty of Veterinary Medicine, Cairo University, 2011
- M. Sc., Faculty of Veterinary Medicine, Cairo University, 2007
- B. Sc., Faculty of Veterinary Medicine, Cairo University, 2004

### Academic Positions

- Assistant professor, Biochemistry and chemistry of nutrition Department, Faculty of Veterinary Medicine, Cairo University, 2016 till now
- Lecturer, Biochemistry and chemistry of nutrition Department, Faculty of Veterinary Medicine, Cairo University, 2011.
- Assistant Lecturer, Biochemistry and chemistry of nutrition Department, Faculty of Veterinary Medicine, Cairo University, 2007.
- Demonstrator, Biochemistry and chemistry of nutrition Department, Faculty of Veterinary Medicine, Cairo University, 2005.



### Areas of experience

- Biochemistry and Molecular biology

### Awards

- The best Master theses awards Cairo University Academic year 2007- 2008.
- The best Ph. D theses awards Cairo University Academic year 2010-2011.
- International publications awards Cairo University 2013.
- International publications awards Cairo University 2014.
- International publications awards Cairo University 2015.
- International publications awards Cairo University 2016.
- International publications awards Cairo University 2017.
- International publications awards Cairo University 2018.
- International publications awards Cairo University 2019.

### Training courses

- Participation in the training course for "**Recent analytical methods of biochemical parameters, nucleic acids and applications of PCR**" from 16- 21 July 2005.
- Participation in the training course for "**Recent trends in teaching** " August 14- 16 2006.
- Participation in the training course for "**Effective Presentation Skills** " from 21-23 August 2006.
- Participation in the training course for "**Effective communication skills**" from 12- 14 November 2007.
- Participation in the training course for "**How to read, write and present a scientific paper**" April 2009.
- Participation in the training course for "**Legal and financial aspect in university environment**" from 1-3 November 2010.
- Participation in the training course for "**How to compete for research fund**" from 13-15 June 2011.
- Participation in the training course for "**Research ethics**" from 16- 18 August 2011.
- Participation in the training course for "**Time and conference management**" from 30-31 July 2011.
- Participation in the training course for "**Conference organization**" from 23-25 August



2011.

- Participation in the training course for **"International publishing of research"** from 19-21 September 2011.
- Participation in the training course for **"Student evaluation"** from 8-10 October 2011.
- Participation in the training course for **"Academic standards for under graduate program"** January 2012.
- Participation in the training course for **"Basic techniques in molecular biology: Gates to better understand biotechnology"** from 2-5 July 2012.
- Participation in the training course for **"Basic techniques in molecular biology: Gates to better understand diagnostic lab works"** from 9-12 September 2012.
- Participation in the training course for **"Your future in science: writing and publishing a scientific paper"** in 23- 4-2013.
- Participation in the training course for **"International publishing of scientific research"** from 24-25 February 2014.
- Participation in the training course for **"Strategic planning"** from 26-27 August 2015.
- Participation in the training course for **"Creative thinking"** from 25-26 July 2016.
- Participation in the training course for **" Arabic and English editing for scientific writing"** from 20-21/09/ 2017.
- Participation in the training course for **"The credit hour system"** from 17-18/12/ 2018.
- Participation in the training course for **"Total quality management in healthcare"** from 16-17/04/ 2018.
- Participation in the training course for **"Statistical analysis of bio-experiments"** from 18-19/1/ 2021.
- Participation in the training course for **"Essentials of integrated education"** from 3-4/07/ 2021.
- Participation in the training course for **" Critical Thinking"** from 4-5/09/ 2021.

### **Professional Memberships**

**A member of the following scientific associations: -**

- Arab Society for Stem Cell and Molecular Biology.
- Scientific Society of Physiological Sciences and Applications.



- Scientific Society of chemistry and environmental health

### Conferences

1. Participation in the activities of the Scientific Conference of the eleventh National Committee of Biochemistry and Molecular Biology under the slogan: **Disease diagnosis and health care**, in the period from March 30 to 1 April 2014.
2. Participation in the activities of the Scientific Conference of united science Committee under the slogan: **New aspect of biotechnology**, at 4<sup>th</sup> April 2014.
3. Participation in the activities of the Scientific Conference of the thirteen National Committee of Biochemistry and Molecular Biology under the slogan: **Advances in biochemistry and molecular biology in diagnosis and treatment**, in the period from March 23 to 24 March 2016.

### Reviewer for international journals

1. Biological Trace Element Research
2. Scientific reports
3. Andrologia
4. Biomedicine & Pharmacotherapy
5. Human & Experimental Toxicology
6. Phytomedicine
7. Aquaculture Research
8. Brain and Behavior
9. Canadian Journal of Veterinary Research
10. Environmental Toxicology and Pharmacology
11. Fish Physiology and Biochemistry
12. International Journal of Veterinary Science and Medicine

### Journal of Chemical Neuroanatomy Scientific Achievements

<i>h</i> index (SCOPUS only)	Citations (SCOPUS only)	Total no. of Int. publications in SCOPUS
10	299	26

### List of Publications

1. Eman M. Gouda, Mohamed A. Warda, **Mona K. Galal** and Samy A. Abdelaziz (2010): Postnatal developmental changes in myosin heavy chain isoforms in male baladi rabbits. Egypt. J. Basic Appl. Physiol., 9 (1): 1-16.



2. Eman, M.G., **Galal M.K.**, Wasfy, M., AbdelAziz, S.A.(2011):Phenotypes, genotypes and allele frequencies of b-lactoglobulin in Egyptian cattle and buffalo. J. Agri. Sci 3,(4), 2011.
3. SA Mousa, **Galal MK** (2013): Alteration in clinical, hemobiochemical and oxidative stress parameters in Egyptian cattle infected with foot and mouth disease (FMD). Journal of Animal Science Advance 3 (9), 485-49.
4. EM Gouda, **MK Galal**, SA Abdelaziz (2013): Genetic variants and allele frequencies of kappa casein in Egyptian cattle and buffalo using PCR-RFLP. Journal of Agricultural Science 5 (2), p197.
5. EM Gouda, **MK Galal**, SA Abdalaziz (2013): Adverse effect of mobile phone on TP53, BRCA1 genes and DNA fragmentation in Albino rat liver. International Journal of Genomics and Proteomics, Volume 4, Issue 1, 2013, pp.-84-88.
6. M Hassani, **MK Galal**, H El-Hindi, SA Abdel-Aziz (2014): Oxidative stress and lipid profile alterations in albino rat liver fed on microwave exposed food. Australian Journal of Basic and Applied Sciences 8 (9), 412-417.
7. Ibrahim M.A., Khalaf A.A., **Galal M.K.** and Ogaly H.A. (2014): Protective effects of zinc as antioxidant against the genotoxic potential of deltamethrin. International Journal of Molecular Biology , Volume 5, Issue 1, 2014, Pp.-092-096.
8. **MK Galal**, AA Khalaf, HA Ogaly, Ibrahim MA. (2014): Vitamin E attenuates neurotoxicity induced by deltamethrin in rats. BMC complementary and alternative medicine 14 (1), 458.
9. HA Ogaly, AA Khalaf, MA Ibrahim, **MK Galal**, RM Abd-Elsalam (2015): Influence of green tea extract on oxidative damage and apoptosis induced by deltamethrin in rat brain. Neurotoxicology and teratology, 50 (2015) 23–31.
10. MA Ibrahim, AA Khalaf, **MK Galal**, HA Ogaly, AHM Hassan (2015): Ameliorative influence of green tea extract on copper nanoparticle-induced hepatotoxicity in rats. Nanoscale research letters 10 (1), 1-9.
11. Hussein S, El-Saba AA, **Galal MK**. Biochemical and histological studies on adverse effects of mobile phone radiation on rat's brain. J Chem Neuroanat. 2016 Dec;78:10-19.
12. Abu-Elala, N.M.; **Galal, M.K.**; Abd-Elsalam, R.M.; Mohey-Elsaeed, O.; Ragaa, N.M. (2016). Effects of Dietary Supplementation of Spirulina platensis and Garlic on the Growth Performance and Expression Levels of Immune-related Genes in Nile tilapia (Oreochromis niloticus). J Aquac Res Development, 7: 433.
13. AA Khalaf, AR Zaki, **MK Galal**, HA Ogaly, MA Ibrahim, A Hassan. The potential protective effect of  $\alpha$ -lipoic acid against nanocopper particle-induced hepatotoxicity in male rats. (2017); Human & experimental toxicology, 0960327116674526
14. Morgan, A., **Galal, M.K.**, Ogaly, H.A.Ibrahim, M.A., Abd-Elsalam, R.M., Noshay, P. Tiron



- ameliorates oxidative stress and inflammation in titanium dioxide nanoparticles induced nephrotoxicity of male rats (2017). *Biomedicine & Pharmacotherapy* 93, 779-787.
15. Afifi, N.A., Ibrahim, M.A., **Galal, M.K.** Hepatoprotective influence of quercetin and ellagic acid on thioacetamide-induced hepatotoxicity in rats (2018) *Canadian journal of physiology and pharmacology* 96 (6), 624-62.
  16. Morgan, A., Ibrahim, M.A., **Galal, M.K.**, Ogaly, H.A., Abd-Elsalam, R.M. Innovative perception on using Tiron to modulate the hepatotoxicity induced by titanium dioxide nanoparticles in male rats (2018). *Biomedicine & Pharmacotherapy* 103, 553-561.
  17. HA Fathy, EM Gouda, JA Gafer, **MK Galal**, AM Nowier: Genetic polymorphism in melatonin receptor 1A and arylalkylamine N-acetyltransferase and its impact on seasonal reproduction in Egyptian sheep breeds. *Archives animal breeding* 61 (4), 505-516.2018.
  18. MM Rashad, **MK Galal**, AM El-Behairy, EM Gouda, SZ Moussa: Maternal exposure to di-n-butyl phthalate induces alterations of c-Myc gene, some apoptotic and growth related genes in pups' testes. *Toxicology and industrial health* 34 (11), 744-752.2018.
  19. MM Rashad, **MK Galal**, KS Abou-El-Sherbini, AM El-Behairy, EM Gouda. Nano-sized selenium attenuates the developmental testicular toxicity induced by di-n-butyl phthalate in pre-pubertal male rats. *Biomedicine & Pharmacotherapy* 107, 1754-1762.2018.
  20. **MK Galal**, EMM Elleithy, MI Abdrabou, NAE Yasin, YM Shaheen: Modulation of caspase-3 gene expression and protective effects of garlic and spirulina against CNS neurotoxicity induced by lead exposure in male rats. *NeuroToxicology* 72, 15-28. 2019.
  21. YH Ahmed, DW Bashir, DA Abdel-Moneam, RA Azouz, **MK Galal**. Histopathological, biochemical, and molecular studies on the toxic effect of used engine oil on the health status of *Oreochromis niloticus*. *Acta histochemica* 121 (5), 563-574, 2019.
  22. SH Mohamed, EMM EL-Leithy, RA Ghandour, **MK Galal**. Molecular, biochemical, and histopathological studies on the ameliorative effect of vitamin C on the renal and muscle tissues of Nile tilapia fish (*Oreochromis niloticus*) affected by the usage of engine oil. *Aquaculture Research* 50 (11), 3357-3368. 2019.
  23. AA Khalaf, **MK Galal**, MA Ibrahim, AA Abd Allah, MM Afify, R Refaat: The *Terminalia laxiflora* modulates the neurotoxicity induced by fipronil in male albino rats. *Bioscience reports* 39 (3),2019.
  24. MI Abdrabou, EMM Elleithy, NAE Yasin, YM Shaheen, **M Galal**: Ameliorative effects of *Spirulina maxima* and *Allium sativum* on lead acetate-induced testicular injury in male albino rats with respect to caspase-3 gene expression. *Acta histochemica* 121 (2), 198-206.2019.
  25. A A Khalaf , Eman I Hassanen , Rehab A Azouz , Amr R Zaki , Marwa A Ibrahim , Khaled Y Farroh , **Mona K Galal**: Ameliorative effect of zinc oxide nanoparticles against dermal toxicity induced by lead oxide in rats. *International journal of nanomedicine* 14, 7729, 2019.
  26. AA Khalaf, MA Ibrahim, **MK Galal**, AA Abdallah, R Mansour, MM Afify The protective effects of *Terminalia laxiflora* extract on hepato-nephrotoxicity induced by fipronil in male rats. *Environmental Science and Pollution Research* 27 (31), 39507-





- 39515, 2020.
27. Galal Khamis , Manar Hassan , Mona Morsy , Marwa A Ibrahim , Reham M Abd-Elsalam , Shymaa Ahmed El Badawy , Asmaa A Azouz , **Mona Galal**. Innovative application of helium-neon laser: enhancing the germination of *Adansonia digitata* and evaluating the hepatoprotective activities in mice. *Environmental Science and Pollution Research* 27 (21), 26520-26531.2020.
  28. SE Ali, SA El Badawy, SH Elmosalamy, SR Emam, AA Azouz, **MK Galal**. Novel promising reproductive and metabolic effects of *Cicer arietinum* l. extract on letrozole induced polycystic ovary syndrome in rat model. *Journal of Ethnopharmacology*, 114318, 2021.
  29. Azouz AA, Ali SE, Abd-Elsalam RM, Emam SR, Galal MK, Elmosalamy SH, Alsherbiny MA, Hassan BB, Li CG, El Badawy SA: Modulation of steroidogenesis by *Actaea racemosa* and vitamin C combination, in letrozole induced polycystic ovarian syndrome rat model: promising activity without the risk of hepatic adverse effect. *Chinese Medicine*. 2021 Apr 29;16(1):36.
  30. AR Hashim, DW Bashir, NAE Yasin, **MK Galal**, SM El-Gharbawy: Ameliorative effect of N-acetylcysteine against glyphosate-induced hepatotoxicity in adult male albino rats: histopathological, biochemical, and molecular studies. *Environmental Science and Pollution Research*, 1-15, 2021.
  31. EI Hassanen, AA Khalaf, AR Zaki, MA Ibrahim, **MK Galal**, KY Farroh, .Ameliorative effect of ZnO-NPs against bioaggregation and systemic toxicity of lead oxide in some organs of albino rats. *Environmental Science and Pollution Research*, 1-13.2021.
  32. **MK Galal**, AM Morgan, MA Ibrahim, AM Hussien: Atrazine-induced cell-mediated immunotoxicity in rabbits and the ameliorating role of glycyrrhizic acid. *Environmental Science and Pollution Research*, 1-8,2021.
  33. AA Khalaf, MA Elhady, EI Hassanen, AA Azouz, MA Ibrahim, **MK Galal**, .Antioxidant role of carvacrol against hepatotoxicity and nephrotoxicity induced by propiconazole in rats. *Revista Brasileira de Farmacognosia* 31 (1), 67-74.2021.
  34. Ashraf M Morgan, Eman I Hassanen, Hanan A Ogaly, Sharah A Al Dulmani, Fatimah AM Al-Zahrani, **Mona K Galal**, Shaimaa Kamel, Maha M Rashad, Marwa A Ibrahim, Ahmed M Hussien: The ameliorative effect of N-acetylcysteine against penconazole induced neurodegenerative and neuroinflammatory disorders in rats. *Journal of Biochemical and Molecular Toxicology*, e22884.2021.
  35. Zainab Sabry Othman Ahmed, **Mona K. Galal** , Elsayed A. Drweesh , Khaled S. Abou-ElSherbini , Eman A.M. Elzahany , Mohamed M. Elnagar, Noha A. E. Yasin. Protective effect of starch-stabilized selenium nanoparticles against melamine-induced hepato-renal toxicity in male albino rats. *International Journal of Biological Macromolecules* 191 (2021) 792–802.