

Curriculum Vitae

PERSONAL INFORMATION:

Name: Mohamed Ali Mohany Elwan (Assistant Professor)

Nationality: Egyptian

Date of Birth: 24/7/1983

Place of Birth: El-Minia – Egypt

Marital Status: married

Address (KSA):

College of Pharmacy

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ACADEMIC QUALIFICATIONS:

1. **Ph.D. in Physiology and Developmental Biology** (2016).
Entitled: Fetal programming of renal structure and function of male rat offspring of dams exposed to fasting. College of Sciences, **King Saud** University, Saudi Arabia and Faculty of life Sciences, The University of **Manchester**, United Kingdom (**Joint Supervision**).
2. **M.Sc. in Immunology**, College of Science, Minia University, Egypt (November 2008). **Title:** The Modulatory Effect of Black Seeds (*Nigella sativa*) on Immunological and Histological Changes Induced by Some Insecticides in Albino Rat (*Rattus norvegicus*).
3. **Bachelor of Biological Science (Zoology)**, Minia University, Egypt (June 2004): Very good with honour degree.

WORK EXPERIENCES:

1. **Assistant Professor**, Department of Pharmacology and Toxicology, College of Pharmacy, King Saud University, Saudi Arabia.

2. **From 24/10/2008 to 2016** Researcher, College of science, King Saud University, Saudi Arabia.
3. **From 5/4/2005 to 14/10/2008**, M.Sc. Studentship "Job description" at Faculty of Science, Minia University, Egypt.

TEACHING EXPERIENCES:

A. INAYA Medical College (Part time) Physiology assistant professor

B. At King Saud University: From 24/10/2008 “Until now”, teaching courses for **foundation year** students: General Biology, Immunology, physiology and tissue culture.

C. At Minia University: From 5/4/2005 to 14/10/2008, I taught practical courses for undergraduate student in several faculties:

▪ **Faculty of Science:**

- 1- Anatomy
- 2- Comparative physiology.
- 3- Embryology
- 4- Histology
- 5- Parasitology

▪ **Faculty of Pharmacy (Foundation year students):** (Histology, Physiology, Medical Entomology)

▪ **Faculty of Dentistry (Foundation year students):** (Anatomy , Histology, and Pathophysiology).

RESEARCH EXPERIENCES:

A- Innate immune response investigation:

- Separation and purification of monocytes and polymorphonuclear leukocytes.
- Peritoneal Macrophage preparation and culture.
- Estimation of the phagocytic index (*In Vitro*).
- Determination of the chemokinetic and chemotactic activity of the leukocytes.

B- Humoral immune response detection:

- Quantitative assay for the total immunoglobulins.
- Determination of the agglutinins by haemagglutination.
- Determination of the precipitins by double immunodiffusion assay.

- Determination of sera IgG and IgM.

C- Physiological techniques:

Biochemical assays for liver and kidney functions as well as complete lipid profile.

D- Other experiences:

- Dissection of different types of animals (Rats, rabbits, Pigeons, Chickens and frogs).
- Preparation of many paraffin sections for histology of different organs extracted from some animals.
- Dealing and rearing different experimental animals, and insects (rats, mice and mosquitoes).
- Experimental animal handling, Western blot, Electron microscopy, Histology and Stereology.

CONFERENCES, WORKSHOPS AND TRAININGS

- 1- 15th-30th November 2014**, Accomplishing some stereological studies in my PhD research project in Aarhus University, Denmark.
- 2- 10th May 2011**, Attending workshop entitled "Angiogenesis and tumor microenvironment, clinical outcomes, similarities and discrepancies" at the Biomarkers Research Program Laboratory, College of science, King Saud University Riyadh, Saudi Arabia.
- 3- 3rd-4th May 2011**, Attending the DNA Research Chair 3rd workshop entitled "applications of polymerase chain reaction PCR" Central lab. Microbiology Department College of Science, King Saud University.
- 4- 1st-2nd May 2011**, Attending the chair of advanced proteomics and cytomics research 2nd meeting entitled "Natural products and drug discovery " Zoology Department, College of Science, King Saud University.
- 5- 27th February – 2nd March 2011**, Attending the Protein Research Chair 2nd workshop entitled "protein purification principles and practice" Biochemistry Dept. College of Science, King Saud University.
- 6- 24th-26th May 2010**, Participating in the workshop entitled "Distribution of Samsun ant in the Kingdom of Saudi Arabia and the use of its venom as a natural

product for the treatment of breast cancer" Zoology department, College of Science, King Saud University.

- 7- **19th October 2010**, Attending the workshop entitled "Cell – Mediated Immunity by prof. Mario S. Clerici" at the Biomarkers Research Program Laboratory, College of science, King Saud University Riyadh, Saudi Arabia.
- 8- **24th May 2009**, Attending to DNA Research Chair 1st workshop entitled " DNA Research: A Gateway to Knowledge Economy" College of Science, King Saud University.

PARTICIPATION IN FUNDED RESEARCH PROJECTS:

1. **Researcher** in the research project: Molecular Mechanism of Un-denatured whey protein-induced wound healing in diabetic models. Project number **10-BIO975-02** funded by the National Plan for Science & Technology, King Saud University, May 2010.
2. **Researcher** in the research project: A novel Aspect: Induction of Multiple Myeloma Cell Chemotaxis Arrest and Growth Inhibition by Natural Antioxidants and Nanoparticles. Project number **NPAR3-(3)** funded by the Deanship of Scientific Research, King Saud University, May 2010.
3. **Researcher** in the research project: Effects of Thymoquinone on The Chemotaxis of Multiple Myeloma MDN and XG2 Cell lines. Project number: **Zoo/2010/20** funded by the College of Science Research Center, King Saud University.
4. **Researcher** in the research project: Effects of Vitamin C on The Immune System, Lipid Profile and Oxidative Stress during Diabetes Mellitus in Rats. Project number: **Zoo/2009/48** funded by the College of Science Research Center, King Saud University.

FELLOWSHIPS AND AWARDS:

1. The general prize at the first graduate students annual scientific meeting (**24th-25th April, 2013**).
2. **From 5th April, 2005 to 14th October, 2008**, Fellowship from Minia University to get master degree in the field of animal immunity, Egypt.
3. **From 2001 to 2004**, Excellence rewarding during undergraduate studies from Faculty of Science, Minia University, Egypt.

PUBLICATIONS:

A. In Peer Reviewed Journals:

1. Kadri Y, Nciri R, Bardaa S, Brahmi N, Saber S, Harrath AH, Aldahmash W, Alwasel S, [Mohany M](#), El Feki A, Salah Allagui M. Syzygium Aromaticum Alleviates Cerium Chloride-Induced Neurotoxic Effect In The Adult Mice. *Toxicol Mech Methods*. 2018 Oct 16:1-9.
2. [Mohany, M.](#), Ashton N., Harrath, A. H., Nyengaard, J., Alomar, S., Alwasel, S. A new model for fetal programming: maternal Ramadan type fasting programs nephrogenesis. *DOHAD Journal*, 2018. **Impact factor = 1.9).**
3. Yang ZW, Salam N, [Mohany M](#), Chinnathambi A, Alharbi SA, Xiao M, Hozzein WN, Li WJ. *Microbacterium album* sp. nov. and *Microbacterium deserti* sp. nov., two halotolerant actinobacteria isolated from desert soil. *Int J Syst Evol Microbiol*. 2018 Jan;68(1):217-222.
4. Ajarem J, Rashedi GA, [Mohany M](#), Allam A. Neurobehavioral changes in mice offspring exposed to green tea during fetal and early postnatal development. *Behav Brain Funct*. 2017 Jun 1;13(1):10. **(Impact factor = 2.2).**
5. [Mohamed Mohany](#), Badr Mohamed Badr, Mohamed Hassan Mahmoud , Olivier Garraud and Gamal Badr. Un-denatured whey protein expedites wound healing in diabetic mice model by enhancing the expression of β -defensin 2, 3 and vascular endothelial growth factor (VEGF) in the wounded tissue. *African Journal of Microbiology Research* Vol. 6(9), pp. 2137-2144, 9 March, 2012 **(Impact Factor =0.53).**
6. Badr G, [Mohany M](#), Badr BM, Mahmoud MH, Rabah DM, Garraud O. Treatment of diabetic mice with undenatured whey protein enhances healing of diabetic wounds through the reduction of pro-inflammatory stimuli and modulation of the expression of MIP-1 α , MIP-2, CX3CL1 and TGF- β . *BMC Immunol*. 2012 Jun 18;13(1):32 **(Impact factor = 2.6).**
7. [Mohamed Mohany](#), Gamal Badr, Inas Refaat and Mostafa El-Feki. Immunological and histological effects of exposure to imidacloprid insecticide in male albino rats. *African Journal of Pharmacy and*

Pharmacology (**Impact Factor = 0.7**) Vol. 5(18), pp. 2106-2114, 15 November, 2011.

8. [Mohamed Mohany](#), Mostafa El-Feki, Inas Refaat, Garraud Olivier and Gamal Badr. Thymoquinone ameliorates immunological and histological changes induced by exposure to imidacloprid insecticide. the journal of toxicological sciences (**Impact Factor = 1.9**) 26 October, 2011.
9. Gamal Badr, Hossam Ebaid, [Mohamed Mohany](#), Abdelaziz Saber Abuelsaad. Modulation of immune cell proliferation and chemotaxis towards CC chemokine ligand (CCL)-21 and CXC chemokine ligand (CXCL)-12 in undenatured whey protein-treated mice. J Nutr Biochem. (**Impact Factor =4.3**) 2012 Mar 21.
10. Saeed Al-Zahrani, Saleh Kandeal, [Mohamed Mohany](#) and Gamal Badr. Effects of Vitamin E and Thymoquinone on Physiological and Histological Characteristics in Heat Stressed Male Mice. African Journal of Pharmacy and Pharmacology (**Impact Factor = 0.7**). Vol. 5(18), pp. 2106-2114, 15 November, 2011.
11. Saeed Al-Zahrani, Saleh Kandeal, [Mohamed Mohany](#) and Gamal Badr. Thymoquinone and Vitamin E Supplementation Improve the Reproductive Characteristics of Heat Stressed Male Mice. Accepted for publication in the African Journal of medicinal plants research (**Impact Factor =0.9**).
12. Gamal Badr, [Mohamed Mohany](#), and Faisal Abu-Tarboush. Thymoquinone decreases F-actin polymerization and the proliferation of human multiple myeloma cells by suppressing STAT3 phosphorylation and Bcl2/Bcl-XL expression. Lipids Health Dis. (**Impact factor = 2.2**) 2011 Dec 16; 10(1):236.
13. Badr G, [Mohany M](#), Metwali A. Effects of undenatured whey protein supplementation on CXCL12- and CCL21-mediated B and T cell chemotaxis in diabetic mice. Lipids Health Dis. (**Impact Factor = 2.2**) 2011 Nov 9; 10(1):203.
14. Badr G, Lefevre E. A, [Mohany M](#) .Thymoquinone Inhibits the CXCL12- Induced Chemotaxis of Multiple Myeloma Cells and Increases Their Susceptibility to Fas-Mediated Apoptosis. Ploze One (**Impact factor = 4.3**), 2011; 6(9):e23741. Epub 2011 Sep 1.

15. Gamal Badr, [Mohamed Mohnay](#). Maternal Perinatal Undernutrition Attenuates T-Cell Functions in Adult Male Rat Offspring. Cellular physiology and Biochemistry Journal. (Impact factor = 3.5,) 2011; 27(3-4):381-90. Epub 2011 Apr 1.
16. Gamal Badr, Saleh Alwasel, Hossam Ebaid, [Mohamed Mohany](#) and Ibrahim Alhazza. Perinatal Supplementation with Thymoquinone Improves Diabetic Complications and T cell Immune Responses in Rat Offspring. Cellular Immunology (Impact factor = 2.7), 2011; 267(2):133-40. Epub 2011 Jan 11.
17. Badr G, Bashandy S, [Mohany M](#), Ebaid H and Alwasel S. Supplementation of Vitamin C Reconstitutes Polyfunctional T cells in Streptozotocin-Induced Diabetic Rats. European Journal of Nutrition (Impact factor = 2.89), 2011 Feb 25.
18. Nick Ashton · Ibrahim Alhazza · Abdulhalim Harrath · [Mohamed Mohany](#) · Abdulkarem Alrezaki · Saleh Alwasel. Transgenerational programming of hypertension by maternal food restriction during pregnancy. April 2011 The FASEB Journal vol. 25 no. 1 Supplement 1029.3. (Impact factor = 5.04)

<http://www.ncbi.nlm.nih.gov/pubmed?term=Mohany>

B. In Local Journals:

- 1- El-Feki, M.A.; Refaat. I.H and [Mohany, M.A.](#) (2008): Modulatory Effects of Thymoquinone on the Toxicity Induced by Imidacloprid in Albino Rat, *Rattus Norvegicus*. J.Egypt.Soc.Toxicol. (Local) 38:119-127.
- 2- El-Feki, M.A.; Refaat. I.H and [Mohany, M.A.](#) (2008): Modulatory Effects of Thymoquinone on the Histological Changes Induced by Imidacloprid in Albino Rat. J.Egypt.Soc.Toxicol. (Local) 39: 79-84.
- 3- [Mohamed A. Mohany](#) (2008): The Modulatory Effect of Black Seeds (*Nigella sativa*) on Immunological and Histological Changes Induced by Some Insecticides in Albino Rat (*Rattus norvegicus*). M.Sc. Thesis, Minia University, Egypt, 125 PP.

COMPUTER SKILLS:

Excellent in computer skills specially Microsoft Office, Adobe Photoshop, Sigma plot, New Cast and Internet. The International Computer Driving License (ICDL)

LANGUAGES:

Arab (Mother language)

English (Speaking, Writing, Reading)

INTERESTS/ HOBBIES:

Football and Reading.

REFERENCES:

1. Dr. Saleh Alwasel

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2. Prof. Nicholas Ashton

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3. Prof. Jens Randel Nyengaard.

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