



## **CURRICULUM VITAE**

**DR. RANIA ABDEL RHMAN MAHMOUD ELGAWISH**

Department of Forensic Medicine and Toxicology  
Faculty of Veterinary Medicine, Suez Canal University

### **PERSONAL DETAILS**

NAME: RANIA ABDEL RAHMAN ELGAWISH

DATE OF BIRTH: August 18, 1977

PLACE OF BIRTH: Port Said Province- Egypt

SEX: Female

NATIONALITY: Egyptian

MARITAL STATUS: Married

ADDRESS in EGYPT: Department of Forensic Medicine and Toxicology, Faculty of Veterinary Medicine, Suez Canal University, Ismailia, 41522, Egypt

TELEPHONE: +20 64 3213692

Fax: +20 64 3207052

MOBILE: +20 1060713346

E-MAIL: [elgawish2016@gmail.com](mailto:elgawish2016@gmail.com)

### **SCIENTIFIC DEGREES**

- Bachelor of Vet. Med. Sci. (2000; Faculty of Veterinary Medicine, Suez Canal University- Egypt)
- Master of Sci. in Toxicology (2005; thesis title: Toxicological Studies on Effects of Endocrine Disruptors on Physical and Reproductive Functions of Birds - Hiroshima University, Japan)
- Ph.D of Vet. Med. Sci. in Forensic Medicine and Toxicology (2011; thesis title: Toxicological Studies of Cadmium on Immune System in Adult Male Albino Rats - Faculty of Veterinary Medicine, Suez Canal University- Egypt)

## **PROFESSIONAL EMPLOYMENT**

2000-2002: Demonstrator of Forensic Medicine and Toxicology (teaching the practical courses to undergraduate students)

2002-2005: Master student in Hiroshima University, Japan

2005-2010: Assistant Lecturer of Forensic Medicine and Toxicology; Faculty of Veterinary Medicine, Suez Canal University

2011- 2016: Lecturer of Forensic Medicine and Toxicology; Faculty of Veterinary Medicine, Suez Canal University

2016- Now: Associate Professor of Forensic Medicine and Toxicology; Faculty of Veterinary Medicine, Suez Canal University

2016-2017: Postdoctoral Fellowship at Graduate School of Biosphere Science, Hiroshima University, Japan

## **TEACHING EXPERIENCE**

-Teaching the practical courses and lectures of Veterinary Forensic Medicine and Toxicology for undergraduate and postgraduate students

## **COMPUTER SKILLS**

- Knowledge and ability to use most of windows software applications including Microsoft Offices preparation. Screen presentations using PowerPoint in addition to statistical analysis using different computer statistical programs.

- International Computer Driving License (ICDL)

## **LANGUAGE SKILLS**

- TOEFL internet based test (100 equivalent to 600)

- Institutional Toefl (574)

- Fair speaking of Japanese language

## **PERSONAL AWARD**

-Award of excellence yearly from 1995 to 2000 at the Faculty of Veterinary Medicine – Suez Canal University – Egypt

- Second student graduated rank at the Faculty of Veterinary Medicine – Suez Canal University – Egypt
- Postdoctoral Fellowship at Graduate School of Biosphere Science, Hiroshima University, Japan. 2016-2017
- Certificate of **Outstanding Contribution in Reviewing** at *Toxicology Reports Journal*. 2018
- Certificate of **International Publication** from Suez Canal University, 2015-2020
- Certificate of Appreciation from the Faculty of Veterinary Medicine – Suez Canal University for Faculty Quality Assurance and Accreditation 2020

### **RESEARCH INTERESTS**

- Animal Toxicology and Forensic Medicine
- Endocrine Disruptor

### **ATTENDANCE OF TRAINING COURSE OF:**

- 1-The **Examination System Program (FLDP)**. Suez Canal Univ. 19-21<sup>st</sup> Feb. 2009, Ismailia – Egypt
- 2-The **Educational and Occupational Preparation** Course for the university teachers (FLDP). Suez Canal Univ., 18-31<sup>th</sup> March 2009, Ismailia – Egypt
- 3-First Univ. conference on **Scientific Research Ethics**, 4<sup>th</sup> May 2009, Ismailia – Egypt
- Modern **concepts in molecular biology** (PCR fundamentals and its application) at Central Lab., Faculty of Veterinary Medicine, Suez Canal Univ., 11-13<sup>th</sup> April 2013, Ismailia – Egypt
- 4-**Civic education**, non-violent communication, leadership development and civic engagement at Suez Canal Univ., in cooperation with Maryland University, June 2013, Ismailia – Egypt
- 5-**Governmental Educational Laboratories Improvement in Biosafety and Biosecurity**. Training course organized by Animal Health Research Institute. 16-19 July 2019.
- 6-**Introduction to Forensic Veterinary Medicine and Pathology**. 2<sup>nd</sup> X-WOW Lecture without border. June 22.2020.

## **Workshops**

1. Responsible use of **animals for scientific purposes** and publishing ethics at Faculty of Veterinary Medicine, Suez Canal Univ., 29<sup>th</sup> September 2015, Ismailia – Egypt
2. **Spreading of foot and mouth disease** in Egypt and its influence on public health at Faculty of Veterinary Medicine, Suez Canal Univ., 25<sup>th</sup> March 2012, Ismailia – Egypt
3. Biodiversity and **conservation of fungi** at Faculty of Science, Suez Canal Univ., 22-26<sup>th</sup> February 2012, Ismailia – Egypt
4. General chromatography and **new technique of HPTLC** at Central Lab., Faculty of Veterinary Medicine, Suez Canal Univ., 26<sup>th</sup> November 2012, Ismailia – Egypt
5. New trends in **production of medicinal and aromatic plants** at Faculty of Agriculture, Suez Canal Univ., 28<sup>th</sup> November 2012, Ismailia – Egypt
6. Symposium on **Genetic Mutations of Avian and Swine Flu**, Biotechnology Center, Suez Canal Univ., 31<sup>th</sup> May 2009, Ismailia – Egypt
7. **Pre-submission strategies**. Nature Research Academies. Organized by Egypt Knowledge Bank. September 2019.
8. **Endocrine Disruptor and Their Interplay with Metabolism, Gonadal Function and Immunity**. Organized by Sector of Community Service and Environmental Development. September 2019.
9. **Animal Models for Studying Human Diseases**: Obesity, Metabolism, and Cardiovascular Diseases. Organized by Sector of Community Service and Environmental Development. October 2019.

## Faculty and Leadership Development Center (FLDC)

### دورات تنمية الموارد البشرية

1. International scientific publication (October 2015)
2. Advanced power point (October 2015)
3. Advanced word processing (December 2014)
4. Strategic planning (October 2015)
5. Principles of quality assurance in educational process (October 2015)
6. Leading a research team (February 2016)

الغسطس ٢٠١٩

استخدام قواعد البيانات العالمية

الغسطس ٢٠١٩

مشروعات البحوث التنافسية

سبتمبر ٢٠٢٠

الساعات المعتمدة

سبتمبر ٢٠٢٠

السلوك المسئول

ديسمبر ٢٠٢٠

تصميم المقرر الدراسي والبرنامج الاكاديمي

يناير ٢٠٢١

الارشاد الاكاديمي والتوجيه الطلابي

---

## **List of Publication**

### **I. Papers Published in International Journals**

١. Abd El-Hafeez AA, Khalifa HO, Rania Abdel Rahman Elgawish, Shouman SA, Abd El-Twab MH, Kawamoto S. Melilotus indicus extract induces apoptosis in hepatocellular carcinoma cells via a mechanism involving mitochondria-mediated pathways. *Cytotechnology*. 2018 Apr;70(2):831-842. doi: 10.1007/s10616-018-0195-7.
٢. Rania Abdel Rahman Elgawish, Ogata Y, Hidaka T, Nii T, Yoshimura Y, Isobe N. Changes in plasma concentrations of S100A7 and S100A8 in dairy cows during pregnancy. *Reprod Domest Anim*. 2018 Aug;53(4):1013-1015. doi: 10.1111/rda.13185.

٣. Rania Abdel Rahman Elgawish, Yoshimura, Y., & Isobe, N. (2018). Microcystin-leucine-arginine modulates the expression patterns of proinflammatory cytokines and an apoptotic gene in chicken liver. *The Journal of Poultry Science*, 55: 70-77.
٤. Gaffer, G. G., Rania Abdel Rahman Elgawish, Abdelrazek, H. M., Ebaid, H. M., & Tag, H. M. (2018). Dietary soy isoflavones during pregnancy suppressed the immune function in male offspring albino rats. *Toxicology Reports*, 5: 296-301.
٥. Abdelrazek, H. M., Rania Abdel Rahman Elgawish, Ahmed, E. A., & Bahr, H. I. (2018). In vitro and in vivo effects of Tribulus terrestris on immunological parameters, lymphocyte proliferation, and DNA integrity in sheep. *Small Ruminant Research*, 169: 67-73.
٦. Rania Abdel Rahman Elgawish, Abdel-Rahman, H. G., Helmy, S. A., Kabil, D. I., & Abdelrazek, H. (2019). Alleviation of Lead-Induced Immunotoxicity by Moringa oleifera in Albino Rats. *Egyptian Academic Journal of Biological Sciences, F. Toxicology & Pest Control*, 11(1): 1-16.
٧. Rania Abdel Rahman Elgawish, Abdelrazek, H., Ismail, S.A., Loutfy, N. M., & Soliman, M.T. (2019). Hepatoprotective activity of Uncaria tomentosa extract against sub-chronic exposure to fipronil in male rats. *Environmental Science and Pollution Research*, 26:199–207.
٨. Rania Abdel Rahman Elgawish, El-Beltagy, M. A., El-Sayed, R. M., Gaber, A. A., & Abdelrazek, H. M. (2020). Protective role of lycopene against metabolic disorders induced by chronic bisphenol A exposure in rats. *Environmental Science and Pollution Research*, 27: 9192-9201.
٩. Tag, H., Rania Abdel Rahman Elgawish, Ebaid, H.M., Abdel-Rahman, M., & Abdelrazek, H.M. (2021). Prenatal exposure to exogenous progesterone adversely affects fetal development in Albino rats. *The Journal of Basic and Applied Zoology*, 82: 16; Pages 1-12. <https://doi.org/10.1186/s41936-021-00212-3>
١٠. Rania Abdel Rahman Elgawish, Abdelrazek, H.M., Desouky, A., & Mohamed, R.M. (2021). Determination of postmortem interval through histopathological alterations and collagen evaluation in the prostate of Wistar albino rats. *Zagazig Journal of Forensic Medicine and Toxicology*, 19 (2): 1-12.

١١. Mohamed SS, Mahmoud SM, Rania Abdel Rahman Elgawish, Elhady KA. Sudan III Azo Dye: Oxidative Stress with Possible Geno and Hepatotoxic Effects in Male Rats. *International Journal of Science and Research (IJSR)* 5 (10), 1700-1704, 2016.
١٢. Rania Abdel Rahman Elgawish, Heba M. A. Abdelrazek, Ghanem M. Postmortem Changes in Electrolytes and Adrenal Gland at Different Intervals in Adult Male Rats. *ARC Journal of Animal and Veterinary Sciences (AJAVS)* 2 (1): 15-22, 2016.
١٣. Hala M. Ebaid, Rania Abdel Rahman Elgawish, Heba M. A. Abdelrazek, Ghada Gaffer, Hend M. Tag. Prenatal Exposure to Soy Isoflavones Altered the Immunological Parameters in Female Rats. *International Journal of Toxicology* 35 (3): 274-283, 2016.
١٤. Rania Abdel Rahman Elgawish, Abdel Rahman HG, Abdelrazek HA. Green tea extract attenuates CCl<sub>4</sub>-induced hepatic injury in male hamsters via inhibition of lipid peroxidation and p53-mediated apoptosis. *Toxicology Reports* 2: 1149-1156, 2015.
١٥. Shalaby A, Rania Abdel Rahman Elgawish. Influence of Dietary Soy Phytoestrogens on Cytokine Production and Immunoglobulin in Ovariectomized Rats. *International Conference on Food, Ecological and Life Sciences (FELS)*, Dec. 3-4, 2015, Turkey. pp. 34-40.
١٦. Heba M. A. Abdelrazek, M. S. Yusuf, Shimaa Ahmed Ismail, Rania Abdel Rahman Elgawish. Effect of probiotic administration on interleukins, lymphocyte proliferation and DNA damage in rams. *Journal of Animal and Feed Sciences* 24: 302-307, 2015.
١٧. Rania Abdel Rahman Elgawish, Abdelrazek HA. Effects of lead acetate on testicular function and caspase-3 expression with respect to the protective effect of cinnamon in albino rats. *Toxicology Reports* 1: 795-801, 2014.
١٨. Rania Abdel Rahman Elgawish, Ghanem ME. Effect of long term cadmium chloride exposure on testicular functions in male albino rats. *American Journal of Animal and Veterinary Sciences* 9 (4): 182-188, 2014.
١٩. Rania Abdel Rahman Elgawish, Ghanem ME, Maeda T. Effects of bisphenol A and DDT on mRNA expression of vitellogenin II in liver of quail embryos. *IJVR* 14 (3): 237-240, 2013.
٢٠. Rania Abdel Rahman Elgawish, Ghanem ME, Maeda T. Low doses of bisphenol A and o, p'- DDT at early stage of life delayed sexual maturity in female Japanese quail. *Livestock Research for Rural Development* (11): November Issue, 2008. <http://www.cipav.org.co/lrrd>.

٢١. Rania Abdel Rahman Elgawish, Ghanem ME, Maeda T. Effects of low doses of bisphenol A and o, p'- DDT on reproductive function of post-hatching male Japanese quail. *Toxicological & Environmental Chemistry* 90 (6): November–December, 1099–1107, 2008.
٢٢. Rania Abdel Rahman Elgawish, Maeda T. Effects of long term o, p'- DDT administration on reproductive parameters and liver histology in adult male Japanese quail, (*Coturnix japonica*). *Journal of Poultry Science* 42: 48-55, 2005.
٢٣. Hepatoprotective and renoprotective effects of silymarin against salinomycin-induced toxicity in adult rabbits AH Ghonaim, MG Hopo, AK Ismail, TR AboElnaga, RA Elgawish, *Veterinary World* 15 (9), 2244,2022.

## **II. Papers Published in Refereed Local Journals**

24. Elhady K, Abdel Hamid AK, Rania Abdel Rahman Elgawish. Effect of different doses of cadmium chloride on interleukin-2, lymphocyte transformation and DNA fragmentation in adult male albino rats. *Zagazig Veterinary Journal* 38 (5): 89-100, 2010.
25. Elhady K, Abdel Hamid AK, Makhlof MM, Ibrahim AM, Rania Abdel Rahman Elgawish. Toxicological and immunological adverse effects of cadmium chloride in adult male albino rats. *Zagazig Veterinary Journal* 39 (1): 124-135, 2011.

### **III. Scientific Conferences**

1. Heba M. A. Abdelrazek, M. S. Yusuf, Shimaa Ahmed Ismail, **Rania Abdel Rahman Elgawish**. Effect of probiotic strain mixtures administration on serum interleukins concentration, lymphocyte proliferation and DNA damage in rams. *First Post-graduate Conference (Scientific Research between Excellence and Application)*, Faculty of Veterinary Medicine, Suez Canal Univ., 30 October 2018, Ismailia – Egypt. pp. 40.
2. Heba M. A. Abdelrazek, **Rania Abdel Rahman Elgawish**, Haidy Galal. Green Tea Extract Supplementation Ameliorates CCl<sub>4</sub>-Induced Hepatic Oxidative Stress, Fibrosis, and p53 Expression in Male Hamsters. *International Congress on Food, Ecological and Life Sciences (FELS)*, Dec. 3-4, 2015, Turkey. pp. 55.
3. Ghanem ME, **Rania Abdel Rahman Elgawish**. Adverse Effects of Cadmium on Reproductive Functions in Male Albino Rats. Proc 104<sup>th</sup> *Japanese Society of Reproduction and Development*. Meeting in Iwate, Morioka, September 15-17, 2011: JRD 57; suppl., pp. 117.
4. Eguchi H, **Rania Abdel Rahman Elgawish**, Maeda T. Effects of long term, low doses DDT administration on reproductive functions in female Japanese quail. 28<sup>th</sup> Annual Meeting of *Japanese Avian Endocrinology*. Meeting on 21-22 November 2003, Miho, Shizuoka, Japan.
5. **Rania Abdel Rahman Elgawish**, Maeda T. Effects of long term DDT administration on reproductive parameters and liver structure in adult male Japanese quail. Congress of *Japanese Poultry Science*. Meeting on 24 September 2004, Higashi-Hiroshima, Hiroshima University, Japan.
6. **Rania Abdel Rahman Elgawish**. Attendance of the 5<sup>th</sup> International Conference on Natural Toxins. Egyptian Society of Natural Toxins. Cairo, Egypt. 17-19 December 2012.
7. **Rania Abdel Rahman Elgawish**. Attendance of the First Young Research Conference at Suez Canal Univ., 6-7<sup>th</sup> March 2013, Ismailia – Egypt.