

## CURRICULUM VITAE

**NAME: Osama Samir Zaky El-Tawil**



### PRESENT OCCUPATION AND ADDRESS:

Professor and Chairman of Toxicology and Forensic Medicine,  
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### BIOGRAPHICAL BACKGROUND:

**Sex:** Male  
**Date of Birth:** June 12, 1965  
**Place of Birth:** Giza, Egypt  
**Home Address:** 72 Street Number 105 Maadi, Cairo, Egypt  
**Citizenship:** Egyptian  
**Status:** Married, One son and one daughter

### QUALIFICATIONS

- ◆ **1997: Ph.D.** Toxicology and Forensic Medicine, through joint supervision program (channel system) between Cairo University and University of Medicine and Dentistry, New Jersey, USA. Title: Sex Differences Effect on Some Toxicological Parameters of Xenobiotics.

- ◆ **1996: Diploma.** Clinical Toxicology and Drug identification Courses, Toxicology Department, New Jersey Medical School, University of Medicine and Dentistry, USA.
- ◆ **1992: MVSc** (Master of Veterinary Sciences) Toxicology and Forensic Medicine, Cairo University, Egypt. Title: Some Toxicological Studies on Praziquantel (A New Antischistosomal Drug).
- ◆ **1988: BVSc** Veterinary Medical Science, Cairo University, Egypt.(The first rank on the class)

## **OCCUPATIONAL BACKGROUND:**

### **Present post**

- ◆ **Feb, 2012- Till date:** Chairman and Professor of Toxicology and Forensic Medicine Department, Faculty of Veterinary Medicine, Cairo University, Cairo, Egypt

### **Previous Post:**

- ◆ **May, 2007- Feb 2012:** Professor of Toxicology and Forensic Medicine, Department of Toxicology and Forensic Medicine, Faculty of Veterinary Medicine, Cairo University, Cairo, Egypt
- ◆ **May, 2002- May, 2007:** Associate professor of Toxicology and Forensic Medicine, Department of Toxicology and Forensic Medicine, Faculty of Veterinary Medicine, Cairo University, Cairo, Egypt
- ◆ **May, 1997- May, 2002:** Assistant professor of Toxicology and Forensic Medicine, Department of Toxicology and Forensic Medicine, Faculty of Veterinary Medicine, Cairo University, Cairo, Egypt
- ◆ **April, 1995- May, 1997:** Visiting Scientist at Toxicology and Pharmacology Department, University of Medicine and Dentistry, New Jersey Medical School, New Jersey, USA
- ◆ **March, 1992- April, 1995:** Assistant Lecturer of Toxicology and Forensic Medicine, Department of Toxicology and Forensic Medicine, Faculty of Veterinary Medicine, Cairo University, Egypt

- ◆ **November, 1988- March, 1992** : Demonstrator of Toxicology and Forensic Medicine, Department of Toxicology and Forensic Medicine, Faculty of Veterinary Medicine , Cairo University, Egypt.

## **INTERNATIONAL TRAINING AND CONTINUING EDUCATIONAL COURSES**

- **2012:** Risk assessment as a critical tools for everyday challenges training course, United States Environmental Protection Agency (USA-EPA) in cooperation with Cairo University, Cairo, Egypt (**principal course coordinator**)
- **2005:** Risk assessment of environmental pollution and its control, National Research Center, Cairo, Egypt
- **2005:** Dose Consideration for *In Vitro* Studies of Air Pollutant Toxicity, Continuing Education Course # AM02, Society of Toxicology, New Orleans, Louisiana, USA.
- **2005:** Male reproductive Hazard identification and Risk assessment in Pharmaceutical development (What Do You Do Now That You Have a Signal?), Continuing Education Course # PM08, Society of Toxicology, New Orleans, Louisiana, USA.
- **2005:** Something Old, Something New: Traditional and Novel Biomarkers of Renal Injury, Continuing Education Course # PM11, Society of Toxicology, New Orleans, Louisiana, USA.
- **2003:** Essential Informatics for Toxicologist, Continuing Education Course # AM2, Society of Toxicology, Salt Lake, Utah, USA.
- **2003:** Fundamentals of Risk Assessment and Applications of Recent Methodologies to Difficult Problems, Continuing Education Course # AM5, Society of Toxicology, Salt Lake, Utah, USA.
- **2000:** Internet and Web design Course, organized by Germany-Egypt-Arab Region Alumni Network and Cairo University, Egypt
- **1996:** Clinical Toxicology and Drug identification Course, New Jersey Medical School, University of Medicine and Dentistry, USA.

- **1995:** Radiation and Safety Program Course, New Jersey Medical School, University of Medicine and Dentistry, USA.

### **SCIENTIFIC WORKSHOPS**

- **2012:** Risk assessment as a critical tools for everyday challenges workshop, United States Environmental Protection Agency (USA-EPA) in cooperation with Cairo University, Cairo, Egypt
- **2009:** The Middle East partnership initiative food defense workshop supported by USDA, FDA and Benha University, Cairo, Egypt, January 29-31, 2009.
- **2005:** High Throughput screening Approaches in genetic Toxicology, Workshop # 333-338, Society of Toxicology, New Orleans, Louisiana, USA.
- **2005:** Neuroimaging Strategies for Application to Neurotoxicology and Risk Assessment, Workshop # 673-678, Society of Toxicology, New Orleans, Louisiana, USA.
- **2005:** Toxicological Research and testing: Best Practices and Opportunities for Laboratory Animal Refinement, Reduction, and Replacement, Workshop # 1351-1356, Society of Toxicology, New Orleans, Louisiana, USA.
- **2004:** Veterinary Medicine History and Improvement Workshop, Cairo, Egypt (One of Organizing Committee).
- **2004:** Cairo University workshop and Program for supporting the application toward FP6 projects funded and supported by European Nation for six levels, Cairo, Egypt.
- **2003:** Metal Speciation in Toxicology: Determination and Importance for Risk Assessment, Workshop # 566-571, Society of Toxicology, Salt Lake, Utah, USA.
- **2003:** Challenges of the developmental Neurotoxicity Study, Workshop # 818-822, Society of Toxicology, Salt Lake, Utah, USA
- **2003:** Occupational Lung Disease in Response to Mixed Exposure: Approaches to Identify the Toxicity of Process-dependent Contamination, Workshop # 1099-1104, Society of Toxicology, Salt Lake, Utah, USA.

## **LEADERSHIP DEVELOPMENT PROGRAMS PARTICIPATION**

- **2012:** Course Spec and University accreditations, Cairo University in cooperation with Egyptian National Authority for Quality Assurance and Accreditation of Education, April 2012.
- **2010:** External Reviewer for Higher Education Institutions, Cairo University in cooperation with Egyptian National Authority for Quality Assurance and Accreditation of Education
- **2009:** External Reviewer for Higher Education Institutions, Egyptian National Authority for Quality Assurance and Accreditation of Education, 26-30 April 2009.
- **2009:** Advanced Course for External Reviewer for Higher Education Institutions, Egyptian National Authority for Quality Assurance and Accreditation of Education, 3-6 May 2009.
- **2009:** Active Teaching for higher education institutions, Egyptian National Authority for Quality Assurance and Accreditation of Education, 17-19 May 2009.
- **2009:** Assessment of Teaching Outcomes for higher education institutions, Egyptian National Authority for Quality Assurance and Accreditation of Education, 20-21 May 2009.
- **2006:** Course designing, Cairo university leadership development center, 2-3 April 2006.
- **2006:** administration and budget affairs in the universities, Cairo university leadership development center, 26-28 February 2006.
- **2006:** Active administration in crises, Cairo university leadership development center, 12-13 February 2006.
- **2004:** Decision taking and problems solving, Cairo university leadership development center, 21-23 December 2004.
- **2004:** Thinking skills, Cairo university leadership development center, 11-12 December 2004.

## **HONOURS and AWARDS:**

### **(A) Prizes and Awards:**

- 1) **1995-1997: Scientific Mission** to the University of Medicine and Dentistry, New Jersey Medical School, USA; Awarded by the Egyptian Ministry of High Education and Supported by the Egyptian Government According to the Channel System and Joint Supervision Scheme.
- 2) **1996: American SOT Scientific Award** (travel award for to attend the international annual conference of the American Society of Toxicology in California, USA, supported by the Society of Toxicology (SOT), **(American SOT Prize)**).
- 3) **2001: Egyptian Governmental Encouragement Award**  
**(Ministry of Higher Education Prize)**. **(first time)**.
- 4) **2001: Cairo University Encouragement Award**  
**(Cairo University Medical Prize)**.
- 5) **2004: Who's who in the world 2004 Encyclopedia**  
My scientific profile has been selected to be included in the worldwide encyclopedia **(Who's who in the world 2004)**.
- 6) **2004: Cairo University Research Grant** as the principle investigator.
- 7) **2006: Conference Prize** for the best paper presented at the 2nd conference of the Egyptian Society of Environmental Toxicology, (18-20) April 2006.
- 8) **2007: Egyptian Governmental Encouragement Award**  
**(Ministry of Higher Education Prize)** **(2<sup>nd</sup> time)**.  
**(The only veterinary researcher got two governmental encouragement awards)**
- 9) **2008: American SOT Scientific speaker Award**. Fully supported Selected Invited scientific speaker in international annual conference of the American Society of Toxicology in Seattle, USA, supported by the Society of Toxicology (SOT), March 2008 **(American SOT Prize)**.
- 10) **2010: Cairo University international publication Award**. **(Cairo University Prize)**.

- 11) **2011: Cairo University international publication Award. (Cairo University Prize).**
- 12) **2012: Egyptian Ministry of the Justice** selected me to be one member of the Ministry Scientific reviewers for reviewing the governmental toxicological and pollution cases. October 2012, (Egyptian Ministry of the Justice honor).
- 13) **2013: Supreme council of the Egyptian Universities** selected me to be one member of the superior committee for promotion and upgrading all Egyptian professors and assistant professors specialized in Pharmacology, Forensic Medicine and Toxicology for three years starting Jan 2013, (Egyptian Universities Supreme council honor).
- 14) **2013: International Union of Toxicology Award.** SOT/ AstraZeneca/IUTOX travel award, at Annual conference of the American Society of Toxicology, San Antonio, Texas, March 2013, (IUTOX Prize).
- 15) **2013: USAID Award.** Cairo initiative USAID award, Post-Doc award for 6 month training in USA during academic year 2013/2014, (USAID Prize).
- 16) **2014: Ten year active Who's who in the world** progressive scientist anniversary

#### **(B) Journals Reviewer**

- 1- International reviewer for [Comparative Biochemistry and Physiology (Ref # 17581)].
- 2- International reviewer for [Journal of Health Science (Ref # YJK-05-0012)].
- 3- International reviewer for [Pesticide Biochemistry and Physiology (Ref # PESTBIO-D-08-00003)]
- 4- International reviewer for [African Journal of Pharmacy and Pharmacology (Ref # AJPP-09-120)]
- 5- International reviewer for [ Journal of Oceanography and Marine Science (Ref # JOMS-09-029)]
- 6- International reviewer for [ Journal of Toxicology Ref # JT/367406]
- 7- International reviewer for [African Journal of Biochemistry research (Ref # AJBR-08-111)]
- 8- International Journal of Veterinary Science and Medicine

- 9- National reviewer for [**Journal of The Egyptian Veterinary Medicine Association**]
- 10- National reviewer for [ **Journal of The Society of Physiological Sciences and Their Application**]
- 11- National reviewer for [ **Journal of Egyptian Veterinary Medical Society for Pathology & Clinical Pathology**]
- 12- National reviewer for [ **Journal of The Egyptian society for animal welfare**]

**(C) Scientific projects:**

- 1- Principle investigator of scientific US-AID Cairo Initiative 2013-2014 project entitled:-"Scientific and Managerial Human Capacity Building for First Veterinary Clinical Toxicology Center (VCTC) in Egypt. (accepted Dec 2012).
- 2- Principle investigator of **scientific project** entitled:-"Pharmacological and Toxicological screening of the potential hepatoprotective activity of some Egyptian Plants" supported and funded by Cairo University Research Development Center, March (2004), Cairo University, Cairo, Egypt.
- 3- **Principle Project Investigator** of submitted proposal to Egyptian Ministry of Higher Education toward, Higher Education Enhancement projects. Proposed project titles: Modernization of the undergraduate Toxicology Courses. (2007)
- 4- **Principle Project Investigator** of submitted proposal to Egyptian Ministry of Higher Education toward, Higher Education Enhancement projects. Proposed project titles: Creation of Industrial and Environmental Toxicology Programs (Degree).(2007)

**(D) Curricula Development:**

- 1- Member of Accreditation group of the Faculty of Veterinary Medicine, Cairo University (2004).
- 2- Member of Accreditation group for the Toxicology and Forensic Medicine Department Faculty of Veterinary, Medicine, Cairo University.
- 3- External Reviewer for Egyptian National Authority for Quality Assurance and Accreditation of Education (2009).



## **SCIENTIFIC MEMBERSHIPS**

- ◆ The American Society of Toxicology (SOT) (International Society)
- ◆ The Egyptian Society of Toxicology
- ◆ The Egyptian Society of Environmental Toxicology
- ◆ The Egyptian Society of Natural Toxins
- ◆ The Egyptian Society of Clinical Chemistry
- ◆ The Egyptian Veterinary Medicine Association
- ◆ Society of Physiological Sciences and Their Application

## **OFFICIAL COMMITTEE MEMBERSHIP**

- ◆ Egyptian National committee of Toxicology
- ◆ Supreme committee for promotion and upgrading all Egyptian professors and assistant professors specialized in Pharmacology, Forensic medicine and Toxicology (Supreme council of the Egyptian Universities)
- ◆ Egyptian Ministry of Justice (scientific reviewer committee)
- ◆ Egyptian Ministry of higher education (scientific mission reviewer committee)
- ◆ Cairo University animal welfare committee
- ◆ Cairo University research ethics committee

## **RESEARCH INTEREST:**

- ◆ *In vitro* Hepatotoxicity studies using isolated primary viable hepatocytes
- ◆ Bioactivation and Mechanistic pathways of chemically- induced toxicity
- ◆ Clinical toxicity studies
- ◆ Oxidative stress-mediated cellular injury and protective antioxidant mechanisms
- ◆ Reproductive toxicity studies

## **SOCIAL ACTIVITIES:**

- ◆ **Egyptian Ministry of the Justice scientific reviewer:** recently reviewed the governmental toxicological and pollution cases (Carcinogenic pesticides case), officially invitation by general prosecutor October 2012

- ◆ **Animal welfare and research ethics reviewer:** member of the Faculty of Veterinary Medicine, Cairo university society of animal welfare and research ethics which is responsible for maintaining animal rights and human killing for research animals. Recently reviewed many research animal welfare cases, officially invitation by Cairo University, December 2012
- ◆ **Vice president of the scientific society** of Veterinary Medicine, Cairo University (2003- 2004).
- ◆ **Toxicological social contribution,** to assess the environmental hazards in Cairo governorate aiming to increase the public awareness regarding environmental protections. This was greatly emphasized in the report titled (Simple Trials for Eradication of Grass Hopper in Egypt) produced by Dr/Osama El-Tawil in the name of the Faculty of Veterinary Medicine, Cairo University during the National outbreak of Grass Hopper on November 18, 2004. This was officially submitted to the environmental authorities as a simple costless eradication solution.

## **EXPERIENCES:**

### **(A) Teaching:**

#### **(I) Undergraduate Students** of the Faculty of Veterinary Medicine, Cairo

University for the courses:

- General Toxicology Course
- Applied Toxicology Course
- Forensic Medicine Course
- Forensic Toxicology Course
- Veterinary Ethics and Regulations Course

#### **(II) Postgraduate Student** of the Faculty of Veterinary Medicine, Cairo

University for the courses:

- Advanced general Toxicology course
- Clinical Toxicology Course
- Forensic Medicine Course
- Forensic Toxicology Course
- Forensic Chemistry Course

- Environmental Toxicology Course

**(III) Postgraduate Student** of the Faculty of Pharmacy, Ain Shams

University for General Toxicology course

**(B) Clinical Toxicologist**

- Analysis and interpretation for the different suspected toxicological samples supplied by Laboratory analysis center, Faculty of Veterinary Medicine, Cairo University.

**(C) Official Toxicological consultation**

- Analysis and interpretation of the suspected governmental toxicological cases supplied by The Egyptian Ministry of Justice

**INTERNATIONAL CONFERENCE PARTICIPATION AND ATTENDANCE:**

- ◆ 35<sup>th</sup> Annual Meeting of the American Society of Toxicology (SOT), March **1996**, California, USA. (Funded from the Society of Toxicology, as a scientific award) **(Presentation and Participation)**.
- ◆ 43<sup>rd</sup> Scientific Meeting (International Congress) of the Egyptian Society of Clinical Chemistry, December **1997**, Cairo, Egypt **(Attendance)**.
- ◆ 37<sup>th</sup> Annual Meeting of the American Society of Toxicology (SOT), March **1998**, Seattle, USA. **(Presentation and Participation)**.
- ◆ 45<sup>th</sup> Scientific Meeting (International Congress) of the Egyptian Society of Clinical Chemistry, December **1998**, Cairo, Egypt **(Attendance)**.
- ◆ 39<sup>th</sup> Annual Meeting of the American Society of Toxicology (SOT), March **2000**, Philadelphia, USA. **(Presentation and Participation)**.
- ◆ 47<sup>th</sup> Scientific Meeting (International Congress) of the Egyptian Society of Clinical Chemistry, February **2001**, Cairo, Egypt **(Attendance)**.
- ◆ The 1<sup>st</sup> Annual International Scientific Meeting of The Medical Division, National Research center, 18-20 December, **2002**, Cairo, Egypt **(Attendance)**.
- ◆ 42<sup>nd</sup> Annual Meeting of the American Society of Toxicology (SOT), 9-13 March **2003**, Salt Lake, Utah, USA **(Presentation and Participation)**.

- ◆ 43<sup>rd</sup> Annual Meeting of the American Society of Toxicology (SOT), 21-25 March **2004**, Baltimore, Maryland, **USA** (**Abstract Participation**).
- ◆ The 1<sup>st</sup> International Conference of Scientific Research and Its Application, Cairo University, 18-20 December, **2004**, Cairo, **Egypt** (**Attendance**).
- ◆ 44th Annual Meeting of the American Society of Toxicology (SOT), 6-10 March **2005**, New Orleans, Louisiana, **USA**. (**Presentation and Participation**).
- ◆ 45th Annual Meeting of the American Society of Toxicology (SOT), 5-9 March **2006**, San Diego, California, **USA**. (**Abstract Participation**).
- ◆ The Second international Annual Scientific Conference of the Egyptian Society of Natural Toxins, 18-20 December 2006, Cairo, **Egypt** (**Presentation and Participation**).
- ◆ The Third international Annual Scientific Conference of the Egyptian Society of Environmental Toxicology, 17-20 April, **2007**, Hurghada, **Egypt** (**Participation**).
- ◆ The 17th International Congress of Egyptian German Society of Zoology, July 2007, Dresden-dusseldors, **Germany**, (**Abstract Participation**).
- ◆ 47th Annual Meeting of the American Society of Toxicology (SOT), 16-21 March **2008**, Seattle, **USA**, (**Presentation and Participation**) (**Accepted for abstract Presentation and invited speaker**).
- ◆ 47th Annual Meeting of the American Society of Toxicology (SOT), 16-21 March **2008**, Seattle, **USA**, (**Information session invited speaker**).
- ◆ The fourth international Annual Scientific Conference of the Egyptian Society of Environmental Toxicology, 11-14 November, **2008**, Safaga, **Egypt** (**member of the organizing committee**).
- ◆ The third international Annual Scientific Conference of the Egyptian Society of Natural Toxins, 16-18 December 2008, Cairo, **Egypt** (**Participation**).
- ◆ 49th Annual Meeting of the American Society of Toxicology (SOT), 7-11 March **2010**, Salt Lake, Utah, **USA**, (**Presentation and Participation**)
- ◆ 51<sup>st</sup> Annual Meeting of the American Society of Toxicology (SOT), 11-14 March **2012**, San Francisco, California, **USA**, (**Presentation and Participation**)

- ◆ 52<sup>nd</sup> Annual Meeting of the American Society of Toxicology (SOT), 10-14 March **2013**, San Antonio, Texas, USA, ( **Presentation and Participation**) and (SOT/**AstraZeneca Award recipient**)

### **NATIONAL CONFERENCE PARTICIPATION AND ATTENDANCE:**

- ◆ The Fifth Annual Scientific Conference of Faculty of Veterinary Medicine, Cairo University, October 19<sup>th</sup>, **1998**.
- ◆ The Second Annual Scientific Conference of the Forensic Medicine and Toxicology Department, Faculty of Medicine, Cairo University, October 8<sup>th</sup>, **1998**. (Scientific Conference on Drug-Abuse).
- ◆ The Third Annual Scientific Conference of the Forensic Medicine and Toxicology Department, Faculty of Medicine, Cairo University, November 15<sup>th</sup>, **1999** (Scientific Conference on Domestic Violence).
- ◆ The Fourth Annual Scientific Conference of the Forensic Medicine and Toxicology Department, Faculty of Medicine, Cairo University, November 16<sup>th</sup>, **2000** (Scientific Conference on Environmental Pollution: Hazards and : Legal Aspects).
- ◆ The Fifth Annual Scientific Conference of the Forensic Medicine and Toxicology Department, Faculty of Medicine, Cairo University, November 8<sup>th</sup>, **2001** (Scientific Conference on Medicolegal Aspects of Transportation Accidents).
- ◆ The 18<sup>th</sup> Annual Scientific Conference of Egyptian society of Toxicology, September 25- 26<sup>th</sup>, **2002**.
- ◆ The Seventh Annual Scientific Conference of Faculty of Veterinary Medicine, Cairo University, 29-31 October, **2002**.
- ◆ The Third Scientific Conference of Azhar Pharmaceutical and Biological Sciences, 16-18 December **2003**, Cairo (**Presentation and Participation**)..
- ◆ The 20<sup>th</sup> Annual Scientific Conference of Egyptian society of Toxicology, 9-10 April, **2005**.
- ◆ The Eighth Annual Scientific Conference of Faculty of Veterinary Medicine, Cairo University, 17-19 April, **2005**.

- ◆ The 21<sup>st</sup> Annual Scientific Conference of the Egyptian society of Toxicology, 12-13 April, **2006**.
- ◆ The Second Annual Scientific Conference of the Egyptian society of Environmental Toxicology, 18-20 April, **2006**, Beni Suef (**Presentation and Participation**).
- ◆ The Annual Scientific Conference of Faculty of Veterinary Medicine, Cairo University, October, **2009**.

## **THESIS CO-SUPERVISION AND EVALAUTION**

**Pharmacological studies on the potential hepatoprotective activity of some natural products.** Eman abdelwahed, MSc Thesis, Pharmacology and Toxicology Department, Faculty of Pharmacy, Al-Azhar University (Approved in 2005).

**The protective effects of some medicinal plants from Beni-Suif governorate on carbon tetrachloride induced hepatotoxicity in isolated rat hepatocytes.** Khadiga Ibrahim, MSc Thesis, Forensic Medicine and Toxicology Department, Faculty of Veterinary Medicine, Beni- Suef University (Approved in 2007).

**Protective effects of morus alba and calendula officinalis plant extracts on carbon tetrachloride induced hepatotoxicity in isolated rat hepatocytes.** Nour ElHouda Yassein, MSc Thesis, Forensic Medicine and Toxicology Department, Faculty of Veterinary Medicine, Beni- Suef University (Approved in 2008).

**Risk assessment of some metals in Cairo district.** Eman Ezzat, MSc Thesis, Toxicology and Forensic Medicine Department, Faculty of Veterinary Medicine, Cairo University (Approved in 2009).

**The role of oxidative stress and glutathione modulation in doxorubicin-induced toxicity in isolated rat hepatocytes.** Eman abdelwahed, PhD Thesis, Pharmacology and Toxicology Department, Faculty of Pharmacy, Al-Azhar University (Approved in 2009).

**Effects of glutathione modulation on vanadium hepatotoxicity.** Adel Fathy, PhD Thesis, Toxicology and Forensic Medicine Department, Faculty of Veterinary Medicine, Cairo University (Approved in 2009).

**Toxic effects of fungicide (Previcur N) on reproductive system in rats.** Shimaa Abouzeid, MSc Thesis, Forensic Medicine and Toxicology Department, Faculty of Veterinary Medicine, Menofia University (Approved in 2010).

**The hepatotoxic effects of lambda cyhalothrin insecticide in vivo and in vitro using isolated rat hepatocytes.** Yasmina Abdelhakeim, PhD Thesis, Forensic Medicine and Toxicology Department, Faculty of Veterinary Medicine, Zagazig University (Approved in 2012).

**Effect of domestic electric current on antemortem and postmortem animal body changes.** Doaa Safwat, PhD Thesis, Forensic Medicine and Toxicology Department, Faculty of Veterinary Medicine, Asuit University (Approved in 2012).

**Toxicological studies on rats exposed subchronically to some environmental pollutants.** Shimaa Abouzeid, PhD Thesis, Forensic Medicine and Toxicology Department, Faculty of Veterinary Medicine, Menofia University (Approved in 2013).

**Hepatotoxicity of aluminum chloride in isolated rat hepatocytes.** Maged abdelzaher, PhD Thesis, Toxicology and Forensic Medicine Department, Faculty of Veterinary Medicine, Cairo University

**In vitro hepatoprotective effects of olive leaf extract against acetaminophen-induced hepatotoxicity.** Safa Mohamed Saleh, MSc Thesis, Toxicology and Forensic Medicine Department, Faculty of Veterinary Medicine, Cairo University

**The toxic effects of antidepressant drug tramadol on protein malnutrition rats.** Eman Samir, MSc Thesis, Pharmacology and Toxicology Department, Faculty of Pharmacy, Al-Azhar University.

## **LIST OF PUBLICATION:**

1. Effect of Cypermethrin on Isolated Male and Female Rat Hepatocytes **Osama S. El-Tawil** and Mohamed S. Abdel-Rahman. *Toxicologist*, 30 (1): 56 (Abstract 292) (March 1996).
2. The Role of Estradiol on the Dermal Penetration of Phenol, Alone or in a Mixture, in Ovariectomized Rats. A.H. Abou-Hadeed, **O.S.El-Tawil**, G.A.Skowronski and M.S.Abdel-Rahman. American College of Clinical Pharmacology, 26<sup>th</sup> Annual meeting, "Integrating Biotechnology and Drug Delivery in the Drug Development Process", Phoenix, Arizona September 17-20 (1997).
3. Effect of Cypermethrin on Isolated Male and Female Rat Hepatocytes **Osama S. El-Tawil** and Mohamed S. Abdel-Rahman. *Journal of Toxicology and Environmental Health*, 52: 461-474 (1997)
4. Toxicity of Acrylonitrile on Isolated Rat Hepatocytes : Role of Hepatic Bioactivation. **Osama S. EL-Tawil** and Ashraf Abdel-Naim. *Journal of Egyptian Society of Toxicology*, 20: 27-32 (1998).
5. The Role of Estradiol on the Dermal Penetration of Phenol, Alone or in a Mixture, in Ovariectomized Rats. A.H. Abou-Hadeed, **O.S.El-Tawil**, G. A. Skowronski and M. S. Abdel-Rahman. *Toxicology in Vitro*, 12 : 611-618 (1998).
6. The Role of Testosterone on the *In vitro* Dermal Penetration of Phenol, either Alone or in a Mixture in Male Rats. A.H. Abou-Hadeed, G.A.Skowronski, **O.S. El-Tawil**, and M.S.Abdel-Rahman. *Toxicologist*, Volume 42, (1-S), March 1998: 391.
7. Protective Effects of Selenium Against Cadmium-Induced Testicular Toxicity in rats. **Osama S. El-Tawil**. *Journal of Egyptian Society of Toxicology* , 21:91-97 (1999).
8. Teratogenic Effects of Trivalent and Hexavalent Chromium Compounds in Rabbits. **Osama S. El-Tawil** and Ashraf M Morgan. *The Toxicologist*, Volume 54 (1), (March 2000): 32 (Abstract 153).
9. Assessment of Teratogenic Effects of Trivalent and Hexavalent Chromium compounds in female rabbits. **Osama S. El-Tawil** and Ashraf M Morgan. *The Toxicologist*, Volume 54, (1), (March 2000): 292 (Abstract 1369).



10. Teratogenic Effects of Trivalent and Hexavalent Chromium Compounds in Rabbits. **Osama S. El-Tawil** and Ashraf M Morgan. Beni-Suef Veterinary Medical Journal, Volume XI, Number 1: 1-17 (2001).
11. Immunotoxicity of Cupravit and Previcur Fungicides in Mice. Hesham S. Elsabbagh and Osama **S. El-Tawil**. Pharmacological Research, 43 (1): 71-76 (2001).
12. Effects of Glutathione Depletion and Oxidative Stress on Cytotoxicity of Formaldehyde in Isolated Rat hepatocytes. Mohamadin A.M., Salman T.M., El-Nabawy R.M. and **El-Tawil O.S.** Arab Journal of Laboratory Medicine, 27 (2): 225-241 (May 2001).
13. The Role of Enzyme Induction and Inhibition on Cypermethrin Hepatotoxicity. **Osama S. El-Tawil** and Mohamed S. Abdel-Rahman. Pharmacological Research, 44 (1): 33-39 (2001).
14. The Significance of Strontium, Surfactant Phospholipids and Diatoms in the Diagnosis of Drowning. **Osama S. El-Tawil** and Hesham S. Elsabbagh. Medical Journal of Cairo University, 69 (4), Suppl. II (Dec.2001).
15. Neurotoxicological Sequelae of Tributyltin Intoxication in Rats. Elsabbagh H.S., Moussa S.Z. and **El-Tawil O.S.** Pharmacological Research, 45 (3): 202-206 (2002).
16. Bromobenzene-Induced Cytotoxicity and Oxidative Stress in Isolated Rat Hepatocytes. Ahmed M. Mohamadin, Shawkey S. Ali, **Osama S. El-Tawil** and Ashraf B. Abdel-Naim. Journal of Egyptian Society of Toxicology, 27: 23-29 (2002).
17. Effects of Ammonium Metavanadate On Fertility and Reproductive Performance Of Adult Male And Female Rats. Ashraf M. Morgan And **Osama S. El-Tawil**. Pharmacological Research, 47: 75-85 (2003).
18. Induction of Oxidative Stress in the Reproductive System of Rats After Subchronic Exposure to 2,3,7,8-Tetrachlorodibenzo-*P*-Dioxin. **Osama S. El-Tawil** and Eiman M Elsaieed. The Toxicologist, Volume 72(S-1):362 (March 2003) (Abstract 1760).
19. Hepatoprotective Effects of HC against Ethanol-Carbon tetrachloride-Induced Liver Damage in Rats. **Osama S. El-Tawil**, Ahmed M. Mohamadin and Ashraf B. Abdel-Naim. Journal of Egyptian Society of Toxicology, 29: 1-8 (July, 2003).

20. Ginkgo Biloba Extract Protects Against Ethanol-Induced Oxidative Stress in Rat Liver. Ahmed M. Mohamadin, Ebtehal EL-Demerdash, **Osama S. El-Tawil** and Mohamed Fath El-Bab. Arab Journal of Laboratory Medicine, 29 (3): 373-386 (Sept 2003).
21. Protective Effect of Alpha Lipoic Acid In Ethanol- Induced Gastric Mucosal Lesions In Experimental Rats. Mohamed F. Abd-Ellah, Saada R. Mohamed Abdu, **Osama S. El-Tawil**, Mohey M. Mekawy, Ayman Abd El-Hamid. Journal of Biological and Pharmaceutical Sciences, 1: 9-23 (December 2003).
22. Protective Effect of Inosine Against Gentamicin Induced Oxidative Stress and Nephrotoxicity in Rats. Ahmed M. Mohamadin, Saada R. Mohamed Abdou, Mostafa M. El-Shafey, **Osama S. El-Tawil** and Samar M. Moneir. Journal of Biological and Pharmaceutical Sciences, 1: 24-37 (December 2003).
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