

# Curriculum Vitae

## **Personal Data** :

**Name** : Hala Ahmed Fahmy Zaki

**Current Occupation** : **Professor** of Pharmacology & Toxicology Department, Faculty of Pharmacy, **Cairo University**.

**Date of Birth** : 1967, Cairo - Egypt.

**Marital Status** : Married with 2 children (F/1994 & M/2000).

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## **Qualifications**

- **Philosophy Doctor of Pharmaceutical Sciences (Pharmacology & Toxicology)**, Cairo University, **2002**. The defended thesis was titled: “*Experimental Studies of the Possible Hepatoprotective Effects of Some Agents against Liver Damage Induced by Paracetamol or Paraquat*”.
- **Master Degree in Pharmaceutical Sciences (Pharmacology & Toxicology)**, Cairo University, **1997**. The defended thesis was titled: “*Studies on the Possible Interactions between Anti-inflammatory Agents and Oral Hypoglycemics in Experimental Animals*”.
- **Bachelor Degree in Pharmaceutical Sciences**, Cairo University, **1989** (Grade: *Excellent with honor*).

## **University Career**

- **Head of** Pharmacology & Toxicology Department, Faculty of Pharmacy, Cairo University (11/2017-4/2021).
- **Professor** in Pharmacology & Toxicology Department, Faculty of Pharmacy, Cairo University (since 7/2014).

- **Assistant Professor** in Pharmacology & Toxicology Department, Faculty of Pharmacy, Cairo University (2008-2014).
- **Lecturer** in Pharmacology & Toxicology Department, Faculty of Pharmacy, Cairo University (2002-2008).
- **Assistant Lecturer** in Pharmacology & Toxicology Department, Faculty of Pharmacy, Cairo University (1997-2002).
- **Demonstrator** in Pharmacology & Toxicology Department, Faculty of Pharmacy, Cairo University (1989-1997).

## **Work Experiences :**

### **I. Teaching for Under & Postgraduates**

- Teaching Pharmacology II & Pharmacology III for undergraduate students, **Faculty of Pharmacy, Cairo University** (2006-2021).
- Teaching Drug Interactions for Clinical Pharmacy Program students (2009-2021).
- Teaching Treatment of Pediatric Diseases for Clinical Pharmacy Program Students (2011-2021).
- Teaching Treatment of Cardiovascular Diseases for Clinical Pharmacy Program Students (2010-2021).
- Teaching Oncology Therapeutics for Clinical Pharmacy Program students (2010-2021).
- Teaching Pharmacology II for Clinical Pharmacy Program students (2009-2021).
- Teaching Pharmacology-I for Clinical Pharmacy Program Students (2010-2012).
- Teaching Therapeutics-I for Clinical Pharmacy Program Students (2010-2011).
- Teaching “*Immuno-Pharmacology*” for postgraduate Diploma & Master students (2007-2021).
- Teaching Oncology Therapeutics for Pharm D Program Students (2010-2021).
- Teaching Treatment of Cardiovascular Diseases for Pharm D Program Students (2013-2021).
- Teaching Treatment of Neuromuscular Disorders for Pharm D Program Students (2013-2021).
- Teaching Treatment of Respiratory Diseases for Pharm D Program Students (2010-2011).
- Teaching Pharmacology II & Pharmacology III for undergraduate students, **Faculty of Pharmacy, Beni-Sueif University** (2006- 2010).

- Teaching Pharmacology I, Clinical Pharmacology and First Aid for undergraduate students, **Faculty of Pharmacy, Beni-Sueif University** (2007-2010).
- Teaching Toxicology for undergraduate students, **Faculty of Pharmacy, Misr International University** (2009-2010).
- Teaching Bioassay & Screening of drugs for undergraduate students, **Faculty of Pharmacy, Misr International University** (2009-2010).
- Teaching “Applied Pharmacology” for postgraduate students, **Faculty of Pharmacy, Cairo University** (2006-2008).
- Teaching “Immuno-Pharmacology” for postgraduate students, **Faculty of Pharmacy, Ain Shams University** (2007-2014).
- Teaching “Immuno-Pharmacology” for postgraduate students, **Faculty of Pharmacy, Beni-Sueif University** (2007- 2010).
- Teaching Basic & Clinical Pharmacology at **Dar Al- Hekma College, Jeddah, K.S.A, for Nursing Students** (2004- 2005).
- Study of the Possible Protective Effects of Some Drugs and Natural Agents on Experimentally Induced Dementia in Rats. (*Ph.D. Thesis*)
- Study of Influence of Certain Dopamine Agonists and/or Antagonists on Gastric Mucosal Integrity in Rats and the Possible Modulation by Natural Antioxidant Agents. (*Ph.D. Thesis*)
- Behavioral and Physiological Responses to High Doses of Nandrolone Decanoate and Amino Acids in Swimming Rats. (*Ph.D. Thesis*)
- The Possible Therapeutic Effects of Certain Natural Products in Hyponatremia Induced in Rats. (*Ph.D. Thesis*)
- Effect of Certain Antidepressants against Osteoporosis in Irradiated Rats. (*Ph.D. Thesis*)
- The possible protective effectiveness of certain micronutrients on biochemical derangement caused by fructose-induced metabolic syndrome-X in rats. (*Ph.D. Thesis*)
- Experimental Study of the Possible Mechanism of Action of STW 5 in Some Gastrointestinal Disorders. (*Ph.D. Thesis*)
- Effects of pegylated interferon-alpha versus standard interferon and silymarin on carbon tetrachloride-induced fibrosis in rats. (*Ph.D. Thesis*)

## **II. Supervising Master & Ph.D. Degrees Thesis**

- Pharmacological effect of certain dietary oils on experimentally induced bronchoconstriction in rats. (*Ph.D. Thesis*)
- Pharmacological study of the possible protective effects of some antioxidants against experimentally-induced hepatotoxicity in rats. (*Ph.D. Thesis*)
- Study of the possible effect of pyrrolidine dithiocarbamate and hesperidin on experimentally induced pulmonary fibrosis. (*Ph.D. Thesis*)
- The effect of certain drugs acting on renin angiotensin system on the cardiovascular integrity in experimentally induced diabetic rats. (*Ph.D. Thesis*)
- Study on the effect of dietary supplements on certain parameters in fructose-induced insulin resistance in rats. (*Ph.D. Thesis*)
- An experimental study for improving snake antivenin production using gamma radiation and a biotechnological technique. (*Ph.D. Thesis*)
- Possible modification by certain natural products of effects of some anti-diabetic drugs in metabolic syndrome in rats. (*Ph.D. Thesis*)
- Study of the possible protective effects of certain agents in diabetic rats exposed to ischemia/reperfusion-induced brain injury. (*Ph.D. Thesis*)
- Possible protective role of Arabic gum against gamma irradiation in cisplatin-induced nephrotoxicity in rats. (*Ph.D. Thesis*)
- Influence of omega-3 and *Saccharomyces cerevisiae* on amikacin-induced nephrotoxicity and oxidative stress in rats. (*Ph.D. Thesis*)
- Possible modification of pharmacological effects of pioglitazone by certain antioxidants in metabolic syndrome induced in rats. (*Ph.D. Thesis*)
- The potential protective effect of certain products on carbon-tetrachloride-induced hepatotoxicity. (*Ph.D. Thesis*)
- A study of the possible effects of low dose gamma irradiation and certain agents in an experimental model of hepatic encephalopathy (*Ph.D. Thesis*)
- The possible role of insulin resistance in brain changes induced by experimental aging in rats: modulatory effect of certain anti-diabetics (*Ph.D. Thesis*)

- Effects of liraglutide and sulforaphane on peripheral neuropathy in diabetes induced in rats (*Ph.D. Thesis*)
- Possible renal protective effects of certain anti-inflammatory and antioxidant compounds in mouse model of LPS-induced toxicity (*Ph.D. Thesis*)
- Pharmacological study on the combined effect of tamoxifen and simvastatin on breast cancer cell lines (*Ph.D. Thesis*)
- Effects of a certain natural product either incorporated into nanoparticles synthesized by gamma radiation or with a bio-enhancing agent in rheumatoid arthritis induced in rats (*Ph.D. Thesis*)
- Effect of MAS receptor on D-galactose-induced cognitive impairment in ovariectomized rats (*Ph.D. Thesis*)
- The possible role of certain natural products in chemically induced ulcerative colitis in rats. (*M.Sc. Thesis*)
- Possible pediatric nephropathy of cisplatin. (*M.Sc. Thesis*)
- Protective effects of certain pharmacological agents in monocrotaline-induced pulmonary hypertension in rats. (*M.Sc. Thesis*)
- Renal manifestations associated with different therapies used in peripheral neuropathy. (*M.Sc. Thesis*)
- Evaluation of the protective effect of taurine, L-carnitine and S-adenosyl methionine against acetaminophen-induced hepatotoxicity in rats. (*M.Sc. Thesis*)
- Modulation of the Pharmacological Effect of Angiotensin Antagonists by Certain Naturally Occurring Products in Experimentally Induced Nephrotoxicity in Rats. (*M.Sc. Thesis*)
- Pharmacological Interactions between some Antidiabetic Drugs and some Fluoroquinolones Antibiotics in Diabetic Experimental Animals. (*M.Sc. Thesis*)
- Comparative Study on the Effect of coriander Zizyphus Extracts to Rosiglitazone and Glibenclamide on Hyperglycemia Experimentally Induced in Animals. (*M.Sc. Thesis*)
- Pharmacological Study of Possible Interactions between some Natural Products and Certain Anti-inflammatory Drug in Experimental Animals.

*(M.Sc. Thesis)*

- Pharmacological Study of the Possible Effect of Certain Flavonoids on Some Biochemical Parameters and Vascular Changes Induced by Inflammation in Rats. *(M.Sc. Thesis)*
- Study of the Possible Effects of Certain Natural Products in an Experimental Model of Parkinson's Disease. *(M.Sc. Thesis)*
- A Study on the Protective Effects of Certain Natural Products against the Brain Damage Induced by Gamma Radiation and/or Metal Toxicity in Male Rats. *(M.Sc. Thesis)*
- Effect of Rosiglitazone with or without Certain Antioxidants on Blood Glucose, Lipid and Free Radical Levels in Rats. *(M.Sc. Thesis)*
- Pharmacological Study of the Possible Hepatoprotective Effect of Some Natural Products against Paracetamol-Induced Hepatotoxicity in Rats. *(M.Sc. Thesis)*
- The Possible Protective Effect of Certain Natural Products in Experimentally-induced Myocardial Infarction in Rats. *(M.Sc. Thesis)*
- Study of the possible hepatoprotective mechanisms of coenzyme Q10 in experimentally induced hepatotoxicity in rats. *(M.Sc. Thesis)*
- Pharmacological study on the role of ezetimibe in cisplatin-induced renal dysfunction in rats. *(M.Sc. Thesis)*
- Modulation of isoprenaline induced heart failure by nitric oxide and superoxide anion. *(M.Sc. Thesis)*
- Evaluation of the therapeutic efficacy of a certain statin, metformin and N-acetylcysteine in management of non-alcoholic fatty liver disease. *(M.Sc. Thesis)*
- Study of the possible effects of corticosterone synthesis inhibition on the psychostimulant-induced behavioral and biochemical changes in rats. *(M.Sc. Thesis)*
- Effect of drugs acting on potassium channels in rotenone-induced dopaminergic cell death in mice. *(M.Sc. Thesis)*
- Study of the possible protective effects of apigenin and plumbagin in hepatic ischemia-reperfusion injury in rats *(M.Sc. Thesis)*
- Study of the possible protective effects of apigenin and plumbagin in hepatic ischemia-reperfusion injury in rats *(M.Sc. Thesis)*

- A study of the possible neuroprotective effects of simvastatin and curcumin in L-methionine-induced vascular dementia in rats (*M.Sc. Thesis*)
- Pharmacological study of certain antioxidants in liver ischemia-reperfusion model in rats (*M.Sc. Thesis*)

**III. Examiner of  
Master &  
Ph.D.  
Thesis**

- Study of the possible beneficial effect of co-administration of a statin and an inhibitor of renin-angiotensin system in hypertensive hypercholesterolemic rats.
- Pharmacological study of the possible interactions between mulberry, guar gum and gliclazide in experimentally induced diabetes in rats.
- Modulating effects of silymarin and ginger in the therapeutic action and kinetics of piroxicam in rats.
- Antihyperlipidemic and anti-arrhythmic activities of atorvastatin and red yeast rice when used in combination with coenzyme Q10 in rat.
- Influence of type 2 diabetes on the anti-inflammatory effect of diclofenac sodium in rats.
- Effect of L-carnitine on behavioral disorders in autistic children.
- The effect of some herbal medicinals on patients with hypercholesterolemia.
- The possible protective effect of vanillic acid on thioacetamide induced hepatotoxicity in rats.
- Pharmacological study of the effect of a statin drug and some antioxidants on myocardial infarction in hypercholesterolemic rats.
- Role of metformin in suppression of chemically induced colon cancer growth in diabetic and non-diabetic mice.
- Possible protective effect of nano chitosan and quercetin against oxidative stress in experimentally-induced liver toxicity in rats.
- Study on the potential antidiabetic effects of trigonelline alone and with vildagliptin in type-2 diabetic model in rats.
- Study on possible pharmacological effects of gliclazide alone or in combination with carbamazepine or alpha lipoic acid in experimentally induced diabetic neuropathy in rats.
- Potential cardioprotective effects of vitamin D on cardiotoxicity induced by doxorubicin.

- Study on the potential reno-protective and/or therapeutic effect of rebamipide in experimentally-induced renal failure in rats.
- Study of the psychopharmacological assessment of the experimentally induced aggression in mice.
- Possible modulation of the antitumor and nephrotoxic effects of cisplatin by rosmarinic acid.
- Pharmacological study of the possible protective effect of certain anti-inflammatory drugs in the prevention of L-asparaginase-induced pancreatitis in experimental animals.
- Possible antidiabetic and renoprotective effects of aliskiren and spironolactone in STZ-induced diabetes in rats.
- Pharmacological study of the potential anti-inflammatory effect of galantamine in experimental inflammatory bowel disease.
- Effect of ACE inhibitor Lisinopril on fructose-induced metabolic syndrome in rats exposed to ionizing radiation.
- The role of thymoquinone in treatment of hepatocellular carcinoma cell line.
- Protein malnutrition: its relevance to schizophrenia in an animal model and a comparison between its effect on the behavioral action of olanzapine and clozapine.

#### ***IV. Reviewer for Journals***

- Molecular Neurobiology.
- Journal of Biochemical and Molecular Toxicology.
- Pharmacologia.
- British Journal of Medicine.
- British Journal of Medicine and Medical Research.
- British Journal of Pharmaceutical Research.
- Journal of Advances in Biology and Biotechnology.
- Journal of Cancer and Tumor International.
- Macedonian Journal of Medical Sciences.
- BMC Complementary and Alternative Medicine.
- Bulletin of Faculty of Pharmacy Cairo University.
- The Egyptian Rheumatologist.
- Journal of Basic and Clinical Pharmacology.
- Future Journal of Pharmaceutical Sciences.



## **Activities**

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### **• Extra- Departmental Activities**

- Head of Ethics Committee of Faculty of Pharmacy, Cairo University since 2020 and member of the committee since 2010.
- Consultant of Ministry of Higher Education in Misr International University (3/2017-6/2018).
- Certified reviewer in NAQAA since 4/2015.
- Member of executive committee for follow-up and evaluation of new programs (since 10/10/2018).
- Coordinator of Clinical Pharmacy Program (8/2016-11/2017).
- Assistant Coordinator for Clinical Pharmacy Program (9/2010-7/2016).
- Attended workshop entitled "e-Learning Management System" held by Ministry of Communications and Information Technology", 24-26 September 2018.
- Participant in meetings for development of "Clinical Toxicology Diploma" held in Malta (8-14/04/2018), new Castle, London (9-13/05/2018) and Alexandria (1-5/08/2018) with "Erasmus+ KA2 project (ITCT)".
- Academic advisor for Clinical Pharmacy Program students (2009-2017).
- Member of Ethics Committee of the Center of Applied Research and Advanced Studies (CARAS) in Faculty of Pharmacy, Cairo University (2015-2021).
- Member of Pharmacology Committee and Drugs Tender Committee in Central Administration for Pharmaceutical Affairs (CAPA) (2015-2021).
- Member of Academic Standards Committee in Faculty of Pharmacy, Cairo University (since 2014).
- Member in committee responsible for strategic planning, leadership and management in Faculty of Pharmacy, Cairo University since 1/10/2019.
- Member in committee responsible for revising faculty self-study and 5-year strategic planning (2015-2020).
- Member in Ministry of Higher Education team for auditing Clinical Pharmacy Program, Faculty of Pharmacy, Beni Suef University (13 December 2018).
- Member in Ministry of Higher Education team for auditing Clinical Pharmacy Program, Faculty of Pharmacy, Fayoum University (26 November

2018).

- Member in Ministry of Higher Education team for auditing Clinical Pharmacy Program, Faculty of Pharmacy, Fayoum University (21 March 2017).
- Member in NAQAA team for accreditation of Faculty of Pharmacy (Boys), Al-Azhar University (14-16 April 2019).
- Member in NAQAA team for accreditation of Faculty of Pharmacy, Canadian University (16-18 December 2018).
- Member in NAQAA team for accreditation of Faculty of Pharmacy, MUST University (9-11 April 2017).
- Member in NAQAA team for accreditation of Faculty of Pharmacy, MIU University (28-30 December 2016).
- Member in NAQAA team for accreditation of Faculty of Pharmacy, Menia University (11-13 April 2016).
- Member in NAQAA team for accreditation of Faculty of Pharmacy, Faros University (14-16 December 2015).
- Member in NAQAA team for accreditation of Faculty of Pharmacy, Russian University (27-30 April 2015).
- Member of training committee in CIQAAP project performed by Faculty of Pharmacy, Cairo University (2008-2010).
- Member of training committee of PAQU-Pharm (2010-2012).
- Participant in “*Pharmacology Related Courses development*” program held in **King’s college, London** (26-27/02/2007) with “**DOPSE-TEMPUS**” project.
- Obtaining International Computer Divining License (ICDL) in October 2008 as part of ICTP project held by FLDP center.
- Attended a seminar about “*Leadership & Strategy in a Globalizing World*” held in Dar Al-Hekma College, Jeddah, Saudi Arabia. (Speaker: Anthony M. Hodgson; Inventor of Hexagon System Thinking) (24/12/2005).
- Attended “Faculty & Leadership Development Project” (**FLDP**) courses in the following subjects:
  - Scientific Writing & International Publishing (16-18/07/2007).
  - Recent Concepts in Teaching (16-18/07/2007).

- Scientific-Syllabus Designing (29-31/07/2007).
- Credit Hours Teaching System (6-8/08/2007).
- Examination Regulations & Student Evaluations (28-30/1/2008).
- University Management (20-21/7/2008).
- Time and Meetings Management (27-29/7/2009).
- How to compete for a research fund (24/2/2011).
- Leadership of a research team (7-9/9/2012).
- Communication skills (28-30/1/2013).
- Conference organization (28-29/8/2013).
- Research ethics (20-21/11/2013).

• ***Intra-  
Departmental  
Activities***

- Department organizer for PAQU-Pharm, Faculty of Pharmacy, Cairo University (2006-2010).
- Trustee of Pharmacology & Toxicology Department Council (2006-2009).
- Member of “Faculty Cultural Committee” (2010-2014).
- Member of “Faculty Laboratories Committee” (2009-2010).

***Conferences &  
Scientific  
Meetings***

- Attended the 27<sup>th</sup> meeting of The Egyptian Network of Research Ethics Committees (ENREC) held in Marriott Zamalek hotel, 28<sup>th</sup> October, 2021.
- Attended the 26<sup>th</sup> meeting of The Egyptian Network of Research Ethics Committees (ENREC) held in Kempinski Garden city, 29<sup>th</sup> July, 2021.
- Attended the 24<sup>th</sup> meeting of The Egyptian Network of Research Ethics Committees (ENREC) held in Kempinski Royal Maxim, 22<sup>th</sup> October, 2020.
- Attended the 35<sup>th</sup> International Scientific Conference of Pharmaceutical Sciences entitled “Pharmacy Profession: Challenges and Opportunities”, held in Conference Center of Cairo University, Cairo, 22<sup>th</sup> February, 2020.
- Attended Al-Ahram 1<sup>st</sup> Pharmaceutical Conference and Exhibition” held in El-Massa hotel, 16-17/11/2019.
- Attended 6<sup>th</sup> International Conference organized by National Authority for Quality Assurance and Accreditation (NAQAEE) “Planning International....Acting Regional” held in Conrad hotel, 12-13/6/2019.
- Attended 58<sup>th</sup> Annual Conference of the Egyptian Society of Pharmacology and Experimental Therapeutics held in MSA university in Egypt,

20<sup>th</sup> April 2019.

- Chairperson for Pharmacology and Toxicology session in the 5<sup>th</sup> FUE International Conference of Pharmaceutical Sciences, 28-30<sup>th</sup> January, 2019.
- Referee for Pharmacology poster research session in the International Conference of Pharmaceutical Sciences held by Misr University for Science and Technology entitled “Future Trends and Innovations in Pharmacy”, 27-28<sup>th</sup> October, 2018.
- Referee for Pharmacology poster research session in the 2nd International Conference of Faculty of Pharmacy, Ain Shams University entitled “Future Trends in the Development of Pharmaceutical Education and Research”, 13-15<sup>th</sup> November, 2018.
- Attended the events of National Erasmus Day 2018 held in Grand Nile Tower Hotel-Garden City, 8th October, 2018.
- Attended Smart-Learn 2018 Conference held in Grand Nile Tower Hotel-Garden City, 9th October, 2018.
- Attended the 9<sup>th</sup> International Scientific Conference of Faculty of Pharmacy, Cairo University on “Towards globally recognized pharmaceutical ingredients: A national priority”, 25-26 April, 2018.
- Attended 5<sup>th</sup> International Conference organized by National Authority for Quality Assurance and Accreditation (NAQAAE) “Quality Assurance of Education: Reflections..prospects..Aspirations” held in Conrad hotel, 22-23/4/2018.
- Referee for Pharmacology poster research session in 34<sup>th</sup> International Scientific Conference of Pharmaceutical Sciences entitled “The future of drug industry in Egypt”, held in Air Defense House, Cairo, 23-24<sup>th</sup> December, 2017.
- Attended workshop on application of Pharmacy NARS: from content to competency-based curricula held by National Authority for Quality Assurance and Accreditation of Education (NAQAAE) in collaboration with Agence Universitaire de la Francophonie (AUF), 18-19<sup>th</sup> December, 2017.
- Chairperson in the Annual Congress of National Cancer Institute entitled “Bridging gaps in Oncology” held in Intercontinental City Stars, 8-10 November 2017.
- Attended 4<sup>th</sup> International Conference organized

- by National Authority for Quality Assurance and Accreditation (NAQAAE) “Quality Assurance of Education: Bridging Gaps and Building Trust” held in Conrad hotel, 23-24/4/2017.
- Attended the 8<sup>th</sup> International Scientific Conference of Faculty of Pharmacy, Cairo University on “Pharmacy in Egypt: Ensuring access to health”, 22 April, 2017.
  - Attended workshop entitled "National Academic Reference Standards for Pharmacy Education-2<sup>nd</sup> Edition-April 2017" organized by National Authority for Quality Assurance and Accreditation (NAQAAE) in Conrad hotel, 20/4/2017.
  - Chairperson of Pharmacy session in 16<sup>th</sup> Annual Conference of the Egyptian Society of Surgical Oncology (EGSSO) entitled “Multidisciplinary Approach for Cancer Management” held in JW Marriott, 30-31 March 2017.
  - Attended workshop on Teaching, Learning and Assessment: Quality Assurance in Higher Education held by National Authority for Quality Assurance and Accreditation of Education (NAQAAE) in collaboration with Agence Universitaire de la Francophonie (AUF), 28-29<sup>th</sup> March, 2017.
  - Attended conference and festival held by National Authority for Quality Assurance and Accreditation of Education (NAQAAE) for honoring accredited faculties held in Faculty of Engineering, Ain Shams University, 29<sup>th</sup> January 2017.
  - Attended 56<sup>th</sup> Annual Conference of the Egyptian Society of Pharmacology and Experimental Therapeutics held in British University in Egypt, 28<sup>th</sup> January 2017.
  - Attended the 9<sup>th</sup> Breast-Gynecological & Immunology International Cancer Conference held in Fermont Towers hotel, 19-20/1/2017.
  - Attended workshop entitled " Standards for accreditation of higher education faculties and institutes: third edition-July 2015" organized by National Authority for Quality Assurance and Accreditation (NAQAAE) in Conrad hotel, 16/4/2016.
  - Attended the 7<sup>th</sup> International Scientific Conference of Faculty of Pharmacy, Cairo University on “Translational research in Pharmacy: from bench to market”, 16-17<sup>th</sup> April,

2016.

- Attended 55<sup>th</sup> Annual Conference of the Egyptian Society of Pharmacology and Experimental Therapeutics held in British University in Egypt, 5 March 2016.
- Attended conference and festival held by National Authority for Quality Assurance and Accreditation of Education (NAQAEE) entitled "Towards a qualitative shift in higher education" held in Cairo University May 2015.
- Attended workshop for external evaluators organized by National Authority for Quality Assurance and Accreditation (NAQAEE) in Dar Elmarkabat, 16-19/2/2015.
- Attended the 5<sup>th</sup> International Scientific Conference of Faculty of Pharmacy, Cairo University entitled "Pharmacy at the Cutting-edge: Facing Future Challenges", 23<sup>th</sup> -24<sup>th</sup> April, 2013.
- Attended the 10<sup>th</sup> Annual Conference of the Egyptian Association for the Study of Liver and Gastrointestinal Disease (EASLED) entitled "Diabetes: Gut and Liver", 18<sup>th</sup> -19<sup>th</sup> September, 2013.
- Attended workshop entitled "Internal audit" held by Arab Co. for Engineering & Systems Consultations in Faculty of Pharmacy, Cairo University, 17-19<sup>th</sup> September, 2013.
- Attended workshop entitled "accreditation of study programs" held by PAQU-Pharm Training committee in Cairo University, 11<sup>th</sup> September, 2013.
- Attended Clinical Pharmacy Conference held in National Heart Institute, September 7<sup>th</sup>, 2013.
- Attended the 4<sup>th</sup> International Scientific Conference of Faculty of Pharmacy, Cairo University entitled "Pharmacy education & community expectations", 24<sup>th</sup> -25<sup>th</sup> April, 2013.
- Attended 53<sup>rd</sup> Annual Conference of the Egyptian Society of Pharmacology and Experimental Therapeutics held in British University in Egypt, 13 April 2013.
- Attended the 3<sup>rd</sup> International Scientific Conference of Faculty of Pharmacy, Cairo University on "Good Pharmacy Practice", 25-26<sup>th</sup> April, 2012.
- Attended the 52<sup>nd</sup> Annual Conference of the Egyptian Society of Pharmacology and

Experimental Therapeutics (ESPET) held at the Medical Pharmacology Department, Faculty of Medicine, Cairo University on 10<sup>th</sup> March 2012.

- Attended a workshop entitled “Effective Leadership” held by PAQU-Pharm Training committee in Faculty of Pharmacy, Cairo University, 28<sup>th</sup> March, 2012.
- Attended a workshop entitled “Basis of Authorization” held by PAQU-Pharm Training committee in Faculty of Pharmacy, Cairo University, 28<sup>th</sup> March, 2012.
- Active participant in the first Workshop Regarding Interdisciplinary Research at Faculty of Pharmacy, Cairo University, 16<sup>th</sup> April 2011.
- Attended Clinical Pharmacy Seminar Series held by Faculty of Pharmacy, Misr International University in Collaboration with the University of Georgia, 21<sup>st</sup> December, 2010.
- Attended the scientific activities held by National center of Clinical and Environmental Toxicology (NECTR) entitled “Common intoxicants, prevention & treatment”, 3-4 November, 2010.
- Attended a workshop entitled “Academic Advising” held by CIQAP-Training committee in Faculty of Pharmacy, Cairo University, 28<sup>th</sup> October, 2010.
- Attended a workshop entitled “Knowledge of international guidelines of Quality Assurance” held by CIQAP-Training committee in Faculty of Pharmacy, Cairo University, 18<sup>th</sup> August, 2010.
- Attended 2<sup>nd</sup> Scientific Conference of Faculty of Pharmacy, Cairo University entitled “Quality Assurance in Pharmacy Education”, 26<sup>th</sup> April, 2010.
- Attended a workshop entitled “Management of crisis and disasters and emergency plan” held by CIQAP-Training committee in Faculty of Pharmacy, Cairo University, 17<sup>th</sup> April, 2010.
- Attended a workshop entitled “Market-directed higher education” held by CIQAP-Training committee in Faculty of Pharmacy, Cairo University, 4<sup>th</sup> April, 2010.
- Attended 51<sup>st</sup> Annual Conference of the Egyptian Society of Pharmacology and Experimental Therapeutics held in hospitality house, Ain Shams University, 16-17 March 2010.
- Attended a workshop entitled “How to prepare and write a competitive proposal” held by EU-

FP7 Cairo University Research Cooperation Office in Faculty of Agriculture central library, 8<sup>th</sup> November 2009.

- Attended the 13<sup>th</sup> scientific day held by National center of Clinical and Environmental Toxicology (NECTR) entitled “What’s New about Swine Flu”, 29<sup>th</sup> October, 2009.
- Attended the 12<sup>th</sup> scientific day held by National center of Clinical and Environmental Toxicology (NECTR) entitled “Ghost of drug abuse and youth”, 15<sup>th</sup> October, 2009.
- Attended a workshop on E-learning held by Cairo University E-Learning Center (CUELC), 7<sup>th</sup> September 2009.
- Attended workshop for designing and preparing an electronic course held by Faculty of Pharmacy, Cairo University, 30<sup>th</sup> December, 2008.
- Participant in the conference held by PAQU-Pharm titled Faculty of Pharmacy- Cairo University leading steps towards accreditation, 23 December 2008.
- Participant in the 4<sup>th</sup> conference for scientific researches and their applications organized by Cairo-University at Cairo international conference center from 16-18 December 2008.
- Participant in the activities of Alzheimer’s disease international day organized by the Egyptian society of Alzheimer’s patients with collaboration of Faculty of Medicine and Faculty of Nursing- Ain Shams University guest house (27-10-2008).
- Attended brainstorming workshop for preparation of SWOT analysis for Faculty of Pharmacy, Cairo University, July, 2008.
- Attended “Drugs, Chemicals and Insecticides Poisoning Seminar” held by National center of Clinical and Environmental Toxicology, July, 2008.
- Attended 1<sup>st</sup> International Conference of the Quality Assurance and Accreditation Center, entitled “Quality Assurance and Accreditation between reality and ambitions” held on Cairo University, 15<sup>th</sup> April, 2008.
- Attended 1<sup>st</sup> Scientific Conference of Faculty of Pharmacy Cairo University, held on March 29<sup>th</sup>, 2008.



## **Memberships & Scientific Affiliations**

- Member of the “*Egyptian Syndicate of Pharmacists*” (since 1989).
- Member of the “*Egyptian Pharmacological Society*” (since 1990).
- Member of the “*Egyptian Society of Pharmacology and Experimental Therapeutics*” (since 1990).
- Member of Egyptian Alzheimer group (since 2008).
- Member of Pharmacy Graduate Association (since 2010).

## **Publications**

- “*Effects of Diclofenac, Gliclazide and Glipizide on the Oxidative Stress Induced by Acute Inflammation in Diabetic Rats*”. (Abstract). Presented during “*41<sup>st</sup> Annual Clinical Pharmacology Scientific Conference*” held in Faculty of Medicine, Menoufiya University, **1997**. Full Article was published in the “*37<sup>th</sup> Science Week Book*”, (Syria), 4(1), 279-299, **1997**.
- “*Oxidative Stress During Inflammation: Antioxidant Effects of Diclofenac, Gliclazide and Glipizide in Adjuvant Induced Arthritis and Mixed Hypersensitivity in Rats*”- (Abstract). Accepted by the “*42<sup>nd</sup> Annual Clinical Pharmacology Scientific Conference*” held in Al-Azhar University, **1998**.
- “*Effects of Vitamin C, Silymarin and Some Trace Elements on Paraquat-Induced Lung Injury in Rats*”. The New Egyptian Journal of Medicine, 33:5 (suppl.), 54-62, **2005**.
- “*Antioxidant Profile of Sevoflurane and Desflurane Anesthesia: Clinical Study*”. Scientific Journal of Al-Azhar Medical Faculty (Girls), 27:2, 1815-22, **2006**.
- “*Curcumin Can Protect Against Paraquat Toxicity in Isolated Suspended Rat Hepatocytes*”. Scientific Journal of Al-Azhar Medical Faculty (Girls), 27:3, 1393-402, **2006**.
- “*Attenuation of Neurotoxicity Induced by Sub-Chronic Paraquat Administration in Rats by Deprenyl, Quercetin, Green tea and Malt Extract*”. The New Egyptian Journal of

Medicine, 37:5 (suppl.), 90-103, 2007.

- ***“Nephrotoxicity Induced by Long-Term Administration of Paraquat in Rats: Protective Effects of Quercetin and Extracts of Malt and Green Tea”***. The New Egyptian Journal of Medicine, 37:6 (suppl.), 34-46, 2007.
- ***“Protective Potential of Deprenyl in Paraquat-Induced Nephrotoxicity in Rats”***. Journal of the Egyptian Society of Toxicology, 38: 93-102, 2008.
- ***“Effects of Certain Natural Products in Adjuvant-Induced Arthritis”***. The New Egyptian Journal of Medicine, 38:4 (suppl.), 7-20, 2008.
- ***“Can Tomato and Grape Seed Extracts Modify the Anti-inflammatory Effect of Diclofenac in Acute Inflammation?”*** The New Egyptian Journal of Medicine, 38:6, 393-402, 2008.
- ***“Neuroprotective Effects of Deprenyl and Certain Natural Products against Paraquat-Induced Behavioral and Neurochemical Changes in Rats”***. Journal of the Egyptian Society of Toxicology, 39: 1-12, 2008.
- ***“The Prophylactic Effect of STW 5 in an Acute Model of Esophagitis in Rats”***. Abstract accepted by NGM 2008 taking place in Lucerne, Switzerland from 6-9 November 2008.
- ***“Antioxidant and Antiinflammatory Effects of N-Hydroxyethylpiperazine-N-Ethanesulfonate (HEPES) in Adjuvant-Induced Arthritis”***. Mansoura Journal of Pharmaceutical Sciences, 24: 187-197, 2008.
- ***“Ischemia-Reperfusion Liver Injury in Rats; Can Herbal Medicines Really Protect?”*** Mansoura Journal of Pharmaceutical Sciences, 24: 198-212, 2008.
- ***“Protective Outcome of Some Natural Extracts in CCL<sub>4</sub>-Induced Hepatotoxicity in Vitro; Modulatory Role of Inducible NOS Inhibitors versus Non-Selective Ones”***. Paper Presented at 16<sup>th</sup> Zagazig Annual Medical Conference, Faculty of Medicine, Zagazig University, 22-25 March,

2009.

- ***“Ketoconazole may Modulate the Behavioral and Neurochemical Effects Associated with Psychoactive Drug Addiction or Glucocorticoid Administration”***. Abstract accepted by the 8<sup>th</sup> International Conference of the Medical Research Division, NRC, held in National Research Centre, Cairo, Egypt from 21-23 December **2009**.
- ***“Effects of rosiglitazone and  $\alpha$ -lipoic acid on fructose-induced insulin resistance syndrome (syndrome X) in rats”***. Poster presented at 51<sup>st</sup> Annual Conference of the Egyptian Society of Pharmacology and Experimental Therapeutics, 16-17 March **2010**.
- ***“The protective effect of grape seed extract and naringenin on scopolamine-induced dementia in rats”***. Poster presented at 51<sup>st</sup> Annual Conference of the Egyptian Society of Pharmacology and Experimental Therapeutics, 16-17 March **2010**.
- ***“Effects of rosiglitazone alone or combined with selenium or vitamin E on some features of fructose-induced insulin resistance syndrome in rats”***. Poster presented at 2<sup>nd</sup> Scientific Conference of Faculty of Pharmacy, Cairo University, 26<sup>th</sup> April, **2010**.
- ***“Wound and systemic infection management by honey and marjoram oil”***. Poster presented at 2<sup>nd</sup> Scientific Conference of Faculty of Pharmacy, Cairo University, 26<sup>th</sup> April, **2010**.
- ***“The possible neuroprotective effect of nimodipine on scopolamine-induced dementia in rats”***. Poster presented at 2<sup>nd</sup> Scientific Conference of Faculty of Pharmacy, Cairo University, 26<sup>th</sup> April, **2010**.
- ***“A novel model for induction of hyponatremia in rats”***. Poster presented at 2<sup>nd</sup> Scientific Conference of Faculty of Pharmacy, Cairo University, 26<sup>th</sup> April, **2010**.
- ***“Impact of the dopaminergic system on mucosal integrity in indomethacin-induced gastric ulcers in rats: possible modulation by ranitidine or L-carnitine”***. Poster presented at 2<sup>nd</sup> Scientific

Conference of Faculty of Pharmacy, Cairo University, 26<sup>th</sup> April, 2010.

- ***“Effect of an herbal preparation, STW 5 in an acute model of reflux esophagitis in rats”***  
Journal of Pharmaceutical Sciences, 113(2):134-42, 2010.
- ***“STW 5, a therapeutic agent used in irritable bowel syndrome, is active against DSS-induced colitis”***. Abstract accepted by NGM 2010.
- ***“Effect of rosiglitazone combined with selenium or vitamin E on certain features of fructose-induced insulin resistance syndrome in rats”***. B-FOPCU, 48(2):59-74, 2010.
- ***“Ocreotide ameliorates gastric lesions in chronically mild stressed rats”***. World J. Gastroenterol., 17(9):1135-1142, 2011.
- ***“Action of STW 5 in a model of ulcerative colitis”***. Poster (P307) presented in the 77<sup>th</sup> Annual meeting of Naunyn-Schmiedeberg’s Archives of Pharmacology held between March 30-April 1, 2011, Frankfurt, Germany.
- ***“Effect of STW on the sensitivity of stomach fundus to endogenous mediators in an experimental model of functional dyspepsia”***. Poster (P308) presented in the 77<sup>th</sup> Annual meeting of Naunyn-Schmiedeberg’s Archives of Pharmacology held between March 30-April 1, 2011, Frankfurt, Germany.
- ***“Taurine: A promising agent of therapeutic potential in experimentally-induced arthritis”***. Egyptian Rheumatol., 33: 131–137, 2011.
- ***“Effects of strawberry leaves and celery seeds extracts in terlipressin-induced chronic hyponatremia in rats”***. Toxicology Lett., 205: 2 (abstract), 2011.
- ***“Angiotensin antagonists and gentamicin nephropathy: possible modulation by L-carnitine”***. Poster presented at XXXII Conference of Pharmaceutical Sciences,

December, 2011.

- ***“Effect of long-term treatment with fluoxetine, clomipramine and St. John’s wort extract on bone turnover in female irradiated rats”***. Egypt. J. Basic Clin. Pharmacol., 1: 43-50, **2011**.
- ***“Quercetin reduces inflammation in adjuvant-induced arthritis: Possible mechanisms involved”***. Poster presented at 52<sup>nd</sup> Annual Scientific Conference of the Egyptian Society of Pharmacology and Experimental Therapeutics, 10<sup>th</sup> March, **2012**.
- ***“Effect of an herbal preparation STW 5 in a stress-induced model of functional dyspepsia”***. Poster presented at 3<sup>rd</sup> International Scientific Conference of Faculty of Pharmacy, Cairo University, 25-26<sup>th</sup> April, **2012**.
- ***“Potential protective effect of honey against paracetamol-induced hepatotoxicity”***. Poster presented at 3<sup>rd</sup> International Scientific Conference of Faculty of Pharmacy, Cairo University, 25-26<sup>th</sup> April, **2012**.
- ***“Effect of co-enzyme Q10, rosiglitazone or their combination on some biochemical derangement caused by fructose-induced metabolic syndrome-X in rats”***. Poster presented at 3<sup>rd</sup> International Scientific Conference of Faculty of Pharmacy, Cairo University, 25-26<sup>th</sup> April, **2012**.
- ***“Iberis amara (STW6) reduces inflammation in adjuvant-induced arthritis: possible mechanisms involved”***. Poster presented at 3<sup>rd</sup> International Scientific Conference of Faculty of Pharmacy, Cairo University, 25-26<sup>th</sup> April, **2012**.
- ***“STW 5 is effective in dextran sulfate sodium-induced colitis in rats”***. Int. J. Colorectal Dis., 27: 1445-1453, **2012**.
- ***“Modulation of the antidiabetic effect of glimepiride by diazepam in diabetic rats”***. British Journal of Pharmacology and Toxicology 3(5): 190-196, **2012**.
- ***“Possible modulation of the antidiabetic effect of rosiglitazone by buspirone”***. B-FOPCU., 50:

73-79, 2012.

- ***“Potential protective effect of honey against paracetamol-induced hepatotoxicity”***. Arch Iran Med.; 15(11): 674-680, 2012.
- ***“Angiotensin Antagonists and Renal Ischemia/Reperfusion: Possible Modulation by L-carnitine”*** B-FOPCU., 50: 7–16, 2012.
- ***“Effects of Fish oil and Dexamethasone in Experimentally-Induced Bronchial Asthma”*** Australian Journal of Basic and Applied Sciences, 6(13): 497-506, 2012.
- ***“Isoprenaline-induced myocardial infarction in rats: protective effects of hesperidin”***. Egypt. J. Basic Clin. Pharmacol., 2: 13-22, 2012.
- ***“Modulation of fructose-induced insulin resistance syndrome in rats by rosiglitazone and  $\alpha$ -lipoic acid”***. Egyptian Journal of Basic and Clinical Pharmacology; 3(1): 71-82, 2013.
- ***“Pegylated interferon versus standard interferon and silymarin in treatment of liver fibrosis induced by chronic carbon tetrachloride in rats”***. Pharmacologia; 4(3): 208-217, 2013.
- ***“Antiulcer activity of mirtazapine, escitalopram and venlafaxine on oxidant and antioxidant parameters in stomach tissue of depressed rats”***. Poster presented at 53<sup>rd</sup> Annual Scientific Conference of the Egyptian Society of Pharmacology and Experimental Therapeutics, 13<sup>th</sup> April, 2013.
- ***“Involvement of serotonergic and dopaminergic transmission in the antidepressant effects of malt extract”***. Poster presented at 53<sup>rd</sup> Annual Scientific Conference of the Egyptian Society of Pharmacology and Experimental Therapeutics, 13<sup>th</sup> April, 2013.
- ***“Pyrolidine dithiocarbamate plays a modulatory role against scopolamine-induced cognitive impairment in rats”***. Poster presented at 53<sup>rd</sup> Annual Scientific Conference of the Egyptian Society of Pharmacology and Experimental Therapeutics, 13<sup>th</sup> April, 2013.

- ***“Chromium picolinate and rosiglitazone improve biochemical derangement in a rat model of insulin resistance: Role of TNF- $\alpha$  and leptin”***. Pharmacologia; 4(3): 186-196, **2013**.
- ***“Impact of the dopaminergic system on mucosal integrity in indomethacin-induced gastric ulcers in rats: possible modulation by ranitidine or L-carnitine”***. Pharmacologia; 4(1): 22-33, **2013**.
- ***“Protective effects of Ginkgo biloba extract in rats intoxicated with lead and/or exposed to  $\gamma$ -radiation”***. Poster presented at 4<sup>th</sup> International Scientific Conference of Faculty of Pharmacy, Cairo University, 24-25<sup>th</sup> April, **2013**.
- ***“Isoprenaline-induced myocardial infarction in rats: protective effects of hesperidin and atorvastatin”***. Poster presented at 4<sup>th</sup> International Scientific Conference of Faculty of Pharmacy, Cairo University, 24-25<sup>th</sup> April, **2013**.
- ***“Beneficial effects of co-enzyme Q10 and rosiglitazone in fructose-induced metabolic syndrome in rats”***. B-FOPCU, 51: 13-21, **2013**.
- ***“Protective effects of atorvastatin and quercetin on isoprenaline-induced myocardial infarction in rats”***. B-FOPCU, 51: 35-41, **2013**.
- ***“Protective effect of L-arginine in monocrotaline-induced pulmonary hypertension in rats”***. The New Egyptian Journal of Medicine, 49:2, 95-109, **2013**.
- ***“Gastroprotective activity of mirtazapine, escitalopram and venlafaxine in depressed rats”***. African Journal of Pharmacy and Pharmacology, 7(39), 2699-2707, **2013**.
- ***“Vinpocetine protects liver against ischemia–reperfusion injury”***. Canadian Journal of Physiology and Pharmacology, vol. 91(12), pp. 1064-1070, **2013**.
- ***“Role of serotonergic and dopaminergic neurotransmission in the antidepressant effects of malt extract”***. African Journal of Pharmacy and Pharmacology, 7(46), 2960-2971, **2013**.

- ***“Behavioural and neurochemical consequences of nandrolone decanoate and amino acids abuse in rats”***. Journal of Pharmacology and Toxicology, 8(2), 49-59, **2013**.
- ***“Naringenin protects against scopolamine-induced dementia in rats”***. Bulletin of Faculty of Pharmacy Cairo University, 52: 15-25, **2014**.
- ***“Modulatory role of chelating agents in diet-induced hypercholesterolemia in rats”***. Bulletin of Faculty of Pharmacy Cairo University, 52: 27-35, **2014**.
- ***“Pyrrolidine dithiocarbamate protects against scopolamine-induced cognitive impairment in rats”***. European Journal of Pharmacology, 723, 330-338, **2014**.
- ***“Effects of Simvastatin and Vitamin E on Diet-Induced Hypercholesterolemia in Rats”***. British Journal of Pharmacology and Toxicology 5(1): 16-25, **2014**.
- ***“Propolis attenuates doxorubicin-induced testicular toxicity in rats”***. Food and Chemical Toxicology, 67: 176-86, **2014**.
- ***“Protective effect of trimetazidine, sodium selenite and telluric acid in liver ischemia - reperfusion injury in rats”***. Poster presented at 5<sup>th</sup> International Scientific Conference of Faculty of Pharmacy, Cairo University, 23-24<sup>th</sup> April, **2014**.
- ***“Pioglitazone attenuates cerebral ischemia-reperfusion injury in streptozotocin-induced diabetic rats”***. Poster presented at 5<sup>th</sup> International Scientific Conference of Faculty of Pharmacy, Cairo University, 23-24<sup>th</sup> April, **2014**.
- ***“Modulation of the effects of glimepiride by ciprofloxacin or levofloxacin in diabetic rats”***. Poster presented at 5<sup>th</sup> International Scientific Conference of Faculty of Pharmacy, Cairo University, 23-24<sup>th</sup> April, **2014**.
- ***“Modulatory role of coenzyme Q10 in diclofenac-induced hepatotoxicity in rats”***. Poster presented at 5<sup>th</sup> International Scientific



Conference of Faculty of Pharmacy, Cairo University, 23-24<sup>th</sup> April, 2014.

- ***“Naringenin adds to the protective effect of l-arginine in monocrotaline-induced pulmonary hypertension in rats: Favorable modulation of oxidative stress, inflammation and nitric oxide”***. European Journal of Pharmaceutical Science, 62: 161-170, 2014.
- ***“Role of oxidative stress, inflammation, nitric oxide and transforming growth factor-beta in the protective effect of diosgenin in monocrotaline-induced pulmonary hypertension in rats”***. European Journal of Pharmacology, 740: 379-387, 2014.
- ***“The protective effects of naringenin on iodoacetamide-induced ulcerative colitis in rats.”*** Accepted by International Conference on Pharmacy and Pharmacology (ICPP) to be held on Feb 16-17, 2015 in London, United Kingdom.
- ***“The protective effects of ellagic acid on iodoacetamide-induced ulcerative colitis in rats.”*** Poster presented at 1<sup>st</sup> International Conference for Arab Pharmacists held in Ain Shams University, 14-16<sup>th</sup> October, 2014.
- ***“Neuroprotective effects of atorvastatin through antioxidant, anti-inflammatory and anti-apoptotic mechanisms against transient ischemia/reperfusion injury in diabetic rats.”*** International Journal of Development Research, 4(12): 2712-2718, 2014.
- ***“Neuroprotective potential of pregabalin through antioxidant, anti-inflammatory and anti-apoptotic mechanisms against transient ischemic/reperfusion injury in diabetic rats”***. Poster presented at 54<sup>th</sup> Annual Scientific Conference of the Egyptian Society of Pharmacology and Experimental Therapeutics, 20<sup>th</sup> December, 2014.
- ***“Sitagliptin attenuates transient cerebral ischemia/reperfusion injury in diabetic rats: Implication of the oxidative-inflammatory-apoptotic pathway”***. Life Science, 126: 81-86, 2015.

- **"New Approach for Improving Production of Naja haje Snake Antivenom"**. International Journal of Scientific and Research Publications, 5(3): 1-11, **2015**.
- **"Neuroprotective Effects of Pioglitazone against Transient Cerebral Ischemic Reperfusion Injury in Diabetic Rats: Modulation of Antioxidant, Anti-inflammatory, and Anti-apoptotic biomarkers"** *Pharmacological Reports*, 67(5): 901-906, **2015**.
- **"Novel sequential stress model for functional dyspepsia: Efficacy of the herbal preparation STW5"**. *Phytomedicine*, 22(5): 588-595, **2015**.
- **"Mechanisms involved in the anti-inflammatory and vascular effects of Iberis amara extract"** *Planta Medica*, 81: 1097-1102, **2015**.
- **"Comparative effects of pioglitazone,  $\alpha$ -lipoic acid, taurine and chromium picolinate and their combinations on hyperglycemic, lipid profile and oxidative stress parameters in fructose-induced insulin resistant rats"**. International Journal of Scientific and Research Publications, 5(7): 1-11, **2015**.
- **"The renoprotective effect of gum arabic in gamma-irradiated and cisplatin treated rats"**. International Journal of Scientific and Research Publications, 5(6): 1-11, **2015**.
- **"Antiasthmatic effects of evening primrose oil in ovalbumin-allergic rats"** *Der Pharmacia Lettre*, 7 (4): 214-223, **2015**.
- **"Neuroprotective effects of ginkgo biloba extract on brain damage induced by  $\gamma$ -radiation and lead acetate"**. International Journal of Scientific and Research Publications, 5(9): 1-10, **2015**.
- **"Effect of caffeic acid and pioglitazone in an experimental model of metabolic syndrome"**. International Journal of Scientific and Research Publications, 5(10): 1-10, **2015**.
- **"Effects of  $\alpha$ -lipoic acid and sitagliptin on fructose-induced metabolic syndrome in rats"**. International Journal of Pharmaceutical Research and Bio-Science, 4(5): 160-178, **2015**.
- **"The impact of omega-3 and saccharomyces cerevisiae on Amikacin-induced nephrotoxicity in rats"**. *Der Pharma Chemica*, 8(1): 223-234,

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- ***“Protective effect of L-carnitine in paracetamol-induced hepatotoxicity in rats”***. Poster presented at 55<sup>th</sup> Annual Scientific Conference of the Egyptian Society of Pharmacology and Experimental Therapeutics, 5<sup>th</sup> March, **2016**.
- ***“Protective effects of quercetin and lecithin on carbon tetrachloride-induced hepatotoxicity in rats”***. Poster presented at 55<sup>th</sup> Annual Scientific Conference of the Egyptian Society of Pharmacology and Experimental Therapeutics, 5<sup>th</sup> March, **2016**.
- ***“Protective effect of apigenin in hepatic ischemia-reperfusion injury in rats”***. Poster presented at 7<sup>th</sup> International Scientific Conference of Faculty of Pharmacy, Cairo University, 16-17<sup>th</sup> April, **2016**.
- ***“Modulation of glimepride effects by ciprofloxacin and levofloxacin in diabetic rats”*** Pharmacologia 7 (6-7): 344-349, **2016**.
- ***“Pyrrolidine dithiocarbamate attenuates bleomycin-induced pulmonary fibrosis in rats: modulation of oxidative stress, fibrosis and inflammatory parameters”***. Experimental Lung Research 31:1-9, **2016**.
- ***“Protective effects of alpha-lipoic acid and coenzyme Q10 on lipopolysaccharide-induced liver injury in rats”*** Der Pharmacia Lettre, 8 (19):176-182, **2016**.
- ***“Neuroprotective effects of simvastatin and cilostazol in l-methionine-induced vascular dementia in rats”*** Molecular Neurobiology, 54(7):5074-5084, **2017**.
- ***“Cilostazol alleviates lipopolysaccharide-induced kidney injury in mice: modulation of TLR4, PI3K/Akt and Nrf2 signalling”***. Poster presented at 4<sup>th</sup> FUE International Conference of Pharmaceutical Sciences, 31/1-2/2, **2017**.
- ***“Protective effects of alpha-lipoic acid and coenzyme Q10 on lipopolysaccharide-induced liver injury in rats”***. Poster presented at 4<sup>th</sup> FUE International Conference of Pharmaceutical Sciences, 31/1-2/2, **2017**.
- ***“Sitagliptin and liraglutide reversed nigrostriatal degeneration of rodent brain in rotenone-induced Parkinson's disease”***.

Inflammopharmacology, 25(3):369-382, 2017

- ***“Protective effect of liraglutide against peripheral neuropathy in diabetic rats”***. Poster presented at 8<sup>th</sup> International Scientific Conference of Faculty of Pharmacy, Cairo University, 22 April, 2017.
- ***“Telluric Acid Ameliorates Endotoxemic Kidney Injury in Mice: Involvement of TLR4, Nrf2, and PI3K/Akt Signaling Pathways”***. Inflammation, 40(5):1742-1752, 2017.
- ***“Effect of glibenclamide and nicorandil against neurodegeneration in rotenone model of Parkinson’s’ disease in mice”*** poster presented in the 6<sup>th</sup> International Conference of the Division of Pharmaceutical and Drug Industries held in October 23-24, 2017 at the at Safir Hotel in Dokki, Cairo, Egypt.
- ***“Involvement of insulin resistance in Dgalactose-induced age-related dementia in rats: Protective role of metformin and saxagliptin”***. PLoS One, 12(8):e0183565, 2017
- ***“Possible pediatric nephrotoxicity of cisplatin”***. Poster presented at 9<sup>th</sup> International Scientific Conference of Faculty of Pharmacy, Cairo University, 25-26<sup>th</sup> April, 2018.
- ***“Protective role of zofenopril or pravastatin in isoproterenol-induced acute myocardial infarction in irradiated male rats”***. Poster presented at 9<sup>th</sup> International Scientific Conference of Faculty of Pharmacy, Cairo University, 25-26<sup>th</sup> April, 2018.
- ***“Levetiracetam ameliorates 3-nitropropionic acid induced-Huntington's disease-like symptoms in rats”***. Poster presented at 9<sup>th</sup> International Scientific Conference of Faculty of Pharmacy, Cairo University, 25-26<sup>th</sup> April, 2018.
- ***“Zafirlukast and vincamine ameliorate tamoxifen-induced oxidative stress and inflammation: Role of the JNK/ERK pathway”***. Life Science, 202:78-88, 2018.
- ***“Liraglutide ameliorated peripheral neuropathy in diabetic rats: Involvement of***

- oxidative stress, inflammation and extracellular matrix remodeling*". Journal of Neurochemistry, 146(2):173-185, 2018.
- ***"Stimulation of ACE2/ANG(1-7)/Mas Axis by Diminazene Ameliorates Alzheimer's Disease in the D-Galactose-Ovariectomized Rat Model: Role of PI3K/Akt Pathway"***. Molecular Neurobiology, 55(10):8188-8202, 2018.
  - ***"Extracellular Matrix Remodeling and Modulation of Inflammation and Oxidative Stress by Sulforaphane in Experimental Diabetic Peripheral Neuropathy"***. Inflammation, 41(4):1460-1476, 2018.
  - ***"Topiramate mitigates 3-nitropropionic acid-induced striatal neurotoxicity via modulation of AMPA receptors"***. Food and Chemical Toxicology, 118:227-234, 2018.
  - ***"Paradoxical effects of atorvastatin in isoproterenol-induced cardiotoxicity in rats: Role of oxidative stress and inflammation"***. Biomedicine and Pharmacotherapy, 104:542-549, 2018.
  - ***"Plumbagin ameliorates hepatic ischemia-reperfusion injury in rats: Role of high mobility group box 1 in inflammation, oxidative stress and apoptosis"***. Biomedicine and Pharmacotherapy, 106:785-793, 2018.
  - ***"Cilostazol prevents renal toxicity induced by lipopolysaccharide in mice: involvement of TLR4/MyD88,Nrf2/HO-1 and PI3K/Akt pathways"*** Oral Talk presented at the 2<sup>nd</sup> World Congress on Pharmaceutics and Chemical Sciences held at Bologna, Italy (July 23<sup>rd</sup>-25<sup>th</sup>, 2018).
  - ***"The anti-inflammatory and anti-fibrotic effects of tadalafil in thioacetamide- induced liver fibrosis in rats"***. Canadian Journal of Physiology and Pharmacology, 96(12):1308-1317, 2018.
  - ***"Sitagliptin and Liraglutide Modulate L-dopa Effect and Attenuate Dyskinetic Movements in***

- Rotenone-Lesioned Rats". *Neurotoxicity Research*, 35(3):635-653, 2019.
- ***“Vascular protective actions of the angiotensin receptor blockers valsartan and losartan in STZ-induced diabetic rat”***. *Journal of Applied Pharmaceutical Science*, 9(4): 66-76, 2019.
  - ***“Telluric acid ameliorates hepatic ischemia reperfusion-induced injury in rats: Involvement of TLR4, Nrf2, and PI3K/Akt signaling pathways”***. *Biochemical Pharmacology*, 168: 404-411, 2019.
  - ***“Anti-inflammatory and anti-apoptotic potentials of apigenin against liver injury induced by ischemia-reperfusion in rats”***. *Bulletin of Faculty of Pharmacy Cairo University*, 57(1): 46-54, 2019.
  - ***“Evaluation of tamoxifen and simvastatin as the combination therapy for the treatment of hormonal dependent breast cancer cells”***. *Toxicology Reports*, 6: 1114-1126, 2019.
  - ***“Simvastatin evokes an unpredicted antagonism for tamoxifen in MCF-7 breast cancer cells”***. *Cancer Management and Research*, 11: 10011-10028, 2019.
  - ***“Snake venom, bee venom and their components exert an anti-cancer effect by triggering apoptosis and cell cycle arrest in prostate cancer”***. *Bulletin of Faculty of Pharmacy Cairo University*, 57(2): 148-156, 2019.
  - ***“Telmisartan protects against aluminum-induced Alzheimer-like pathological changes in rats”***. *Neurotoxicity Research*, 37: 275–285, 2020.
  - ***“Potential anti-inflammatory action of resveratrol and piperine in adjuvant-induced arthritis: Effect on pro-inflammatory cytokines and oxidative stress biomarkers”***. *The Egyptian Rheumatologist*, 42: 71-77, 2020.
  - ***“Amelioration of thioacetamide-induced hepatic encephalopathy in rats by low-dose gamma***

*irradiation*". Environmental Science and Pollution Research, 27(1):334-343, 2020.

- ***“Amelioration of adjuvant-induced arthritis by exposure to low dose gamma radiation and resveratrol administration in rats”***. International Journal of Radiation Biology, 96(7): 857-867, 2020.
- ***“The role of KATP channel blockade and activation in the protection against neurodegeneration in the rotenone model of Parkinson's disease”***. Life Sciences, 257(2020): 118070, 2020.
- ***“Diabetes and CYP2C19 polymorphism synergistically impair the antiplatelet activity of clopidogrel compared with ticagrelor in percutaneous coronary intervention-treated acute coronary syndrome patients”***. Journal of Cardiovascular Pharmacology, 76: 478-488, 2020.
- ***“17 $\beta$ -Estradiol augments the neuroprotective effect of agomelatine in depressive- and anxiety-like behaviors in ovariectomized rats”***. Psychopharmacology, 237(9): 2873-2886, 2020.
- ***“Improvement of Naja haje snake antivenom production using gamma radiation and a biotechnological technique”***. Toxin Reviews, 40(1): 48-58, 2021.
- ***“Protective effect of sitagliptin and whole-body c-irradiation in diabetes-induced cardiac injury”***. Canadian Journal of Physiology and Pharmacology, 99(6): 678–686, 2021.
- ***“Vildagliptin attenuates acetic acid-induced colitis in rats via targeting PI3K/Akt/NF $\kappa$ B, Nrf2 and CREB signaling pathways and the expression of lncRNA IFNG-AS1 and miR-146a”***. International Immunopharmacology, 92: 107354, 2021.
- ***“L-carnitine extenuates endocrine disruption, inflammatory burst and oxidative stress in carbendazim-challenged male rats via upregulation of testicular StAR and FABP9, and downregulation of P38-MAPK pathways”***.

Toxicology, 457: 152808, 2021.

- ***“Pentoxifylline prevents epileptic seizure via modulating HMGB1/RAGE/TLR4 signalling pathway and improves memory in pentylenetetrazol kindling rats”***. Clinical and Experimental Pharmacology and Physiology, 48(8):1111–1124, 2021.
- ***“Vortioxetine mitigates neuronal damage by restricting PERK/eIF2 $\alpha$ /ATF4/ CHOP signaling pathway in rats subjected to focal cerebral ischemia-reperfusion”*** Life Sciences, 283: 119865, 2021.
- ***“Inhibition of Brain GTP Cyclohydrolase I attenuate 3-nitropropionic acid induced striatal toxicity: Involvement of Mas receptor/PI3k/Akt/CREB/ BDNF axis”*** has been approved for production and accepted for publication in Frontiers in Pharmacology, section Neuropharmacology.