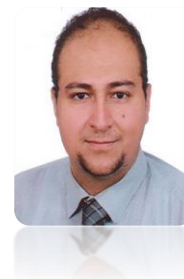


# MOHAMED MOH. ALAA KATARY

**Email:** [mohamedalaa\\_pharmacy@hotmail.com](mailto:mohamedalaa_pharmacy@hotmail.com)  
[mkatary@pharm.dmu.edu.eg](mailto:mkatary@pharm.dmu.edu.eg)



**TEL:** +201006476533, +201282696223

**Address:** 11 Osama ebnZid St., Mostafa Kamel, Alexandria, Egypt &  
306 e martintown St., Northaugusta, SC, 29841, USA.

**Date of birth:** 24/05/1981.

## EDUCATION

- **Ph.D.** in Pharmacology & Toxicology-2011: Faculty of Pharmacy, Cairo University.
- **M.Sc.** in Pharmacology & Toxicology-2008: Faculty of Pharmacy, Cairo University.
- **B.Sc.** of Pharmaceutical science-2003: Faculty of Pharmacy, Alexandria University with very good honor degree.

## WORK EXPERIENCE

- **2017-now:** Associate Professor, Clinical Pharmacology & Toxicology Department, Damanhour University (was a branch of Alexandria University), Egypt.
- **2012-2017:** Assistant Professor, Clinical Pharmacology & Toxicology Department, Damanhour University, Egypt.
- **2015-2016:** Post Doc. Researcher, Oral biology & Pharmacology Department, Augusta University, USA.

- **2005-2012:** *Lecturer and Teaching assistant*, Pharmacology & Toxicology Department, Faculty of Pharmacy & Dentistry, Modern Science and Art University (MSA).
- **2004-2005:** Researcher, Pharmacology & Toxicology Department, National organization of drug control and research (NODCAR), Egypt.

### TEACHING EXPERIENCE

- **Pharmacy School: For Pre & Post graduate Students**

Pharmacology, Clinical Pharmacology, Pharmacy Practice, Bio-assay, Clinical toxicology, Therapeutics, Pharmacovigilance, Clinical Pharmacy and Drug Information, Pharmacokinetics, Drug interaction, Pharmacogenomics, Statistical methods in health research, OTC drugs, Physiology, Biophysics, Immunopharmacology, Pharmacology in Special Population, Medical Terminology, Writing a Scientific Article & First aid.

- **Dentistry School:** Clinical Pharmacology, Oral biology & Clinical Biochemistry.
- **Nursery School:** Pharmacology, Drug delivery & Medical Terminology, First aid.

**Teaching methods include:** lectures, Seminars, Tutorials, Problem-solving learning, Practical laboratory demonstrations, Fieldwork, and E-learning.

## RESEARCH TECHNIQUES & SKILLS

- Western blot, Real-time PCR, Immunohistochemistry, Immunofluorescence, Myograph, Cell culture, UV Spectroscopy, ELISA, Design In vivo and In vitro experiments & Data analysis.

## LANGUAGE SKILLS

- English: Reading/ Speaking/ writing (Excellent).
- Arabic: (mother tongue).

## AWARDS

- **2016:** Award from *National Institutes of Health (NIH), USA*.
- **2013:** got the grant of the development of technology in Egyptian Universities (500,000 LE), funded by the Unit of Development Projects in the Ministry of Higher Education in Egypt.

## Workshops

- *Quality standards in the educational process*
- *Communication skills in different types of education*
- *Effective presentation design*
- *Financial and legal aspects of the University work*
- *International publication of scientific research*
- *Design scientific course*
- *Educational Quality assurance reviewer*
- *E-learning course design*
- *Pharmacovigilance*

## MEMBERSHIPS IN PROFESSIONAL SOCIETIES

- American Physiological Society
- American Pharmacological Society

**Google Scholar Site:** Mohamed katary. H-index: 3.

## OTHER PROFESSIONAL POSITIONS

- *Chair of the IT Unit in Faculty of Pharmacy, Damanhour University.*
- *Member in Quality Assurance unit in Faculty of Pharmacy, Damanhour University.*
- *External educational quality assurance reviewer at National Authority for Quality Assurance and Accreditation of Education.*
- *Member of the Faculty Council.*
- *Member of the service community and environmental development Committee.*
- *Member of the Research ethics committee in Faculty of Pharmacy, Damanhour University.*
- *Member of the staff development unit.*
- *Leader of the Student family “Eshraqa”.*
- *Participated in Organization of the first student Conference Faculty of Pharmacy, Damanhour University.*
- *Participated in Organization of the international Conference of Pharmacy and Biotechnology at MSA University.*

- *Participated in the team of the accreditation of Pharmacy School in Modern Science and Art University (MSA) from Greenwich University, UK.*

### **Ph.D./MSc Supervision**

- “Evaluation the anticancer effect of a combination of cyclooxygenase inhibitor and other chemicals on liver cancer”.
- “Evaluation of the pharmacological effect of selected drugs for the treatment of Alzheimer’s disease”.
- “Evaluation of the potential anticancer effects of simultaneous targeting of multiple signal pathways in the triple negative breast cancer cell line”.

### **Graduation Projects Supervision**

- “Effect of green tea on gentamicin-induced kidney injury in rats”
- “Protective role of curcumin on hepatotoxicity induced by carbon tetrachloride in rats”
- Influence of honey on peptic ulcer induced by indomethacin”.

### **Community services**

- Coordinated in Campaign against addiction, Campaign for the best use of Drugs, Campaign for Diabetes Awareness & Campaign for Conservative usage of antibiotics.
- Editor of Drug information bulletin.
- Speaker at *Damanhour Oncology Institute*.
- Speaker for continuous learning program in Damanhour, topics: *Clinical trial, Time management, Drug-food interaction & Body Language*.

## INVITED SPEAKER & EXAMINER

- **2018:** “New guidelines in treatment diabetes” invited by Alexandria Regional Centre for Women's Health and Development.
- **2017:** “GIT disorders and new treatments”, invited by Egyptian Ministry of Health.
- **2014:** “New approaches in peptic ulcer treatment”, invited by Egyptian Ministry of Health.
- **2013:** *Pathophysiology of Breast Cancer and new strategies in the treatment*, invited by Egyptian Ministry of Health.
- **2014:** External examiner at Cairo University, Tanta University, AlAzhar University, 6 October University.
- **2013:** External examiner at Faros University, Tanta University, 6 October University, MUST University.
- **2012:** External examiner at Tanta University, AlAzhar University.

## PUBLICATIONS

Title	Impact Factor
Elmarakby A., <u>Katary M.</u> , Pollock J., Sullivan J. (2018). Influence of the selective COX-2 inhibitor celecoxib on sex differences in blood pressure and albuminuria in spontaneously hypertensive rats. <u>Prostaglandins Other Lipid Mediator J.</u> 135:16-20.	2.6
Arafa Keshk W, Zahran SM, <u>Katary MA</u> , Abd-Elaziz Ali D (2017). Modulatory effect of silymarin on nuclear factor-erythroid-2-related factor 2 regulated redox status, nuclear factor-kappaB mediated inflammation and apoptosis in experimental gastric ulcer. <u>Chem Biol Interact</u> , 273:266-272.	3.1
<u>Katary MA.</u> & Salahuddin A. (2017). Ameliorative Effect of Gossypin against Gentamicin-Induced Nephrotoxicity in Rats. <u>Life Sciences J.</u> 176:75-81.	2.8

<b><u>Salahuddin A. &amp; Katary MA. (2017).</u></b> Effects of Grape Seed Proanthocyanidin Extract in Attenuating Diabetic Complications in Streptozotocin-Induced Diabetic Rats. <b><u>J Appl. Pharm.</u></b> 9 (2) DOI: 10.21065/1920-4159.1000239.	<b>0.6</b>
<b><u>Katary MA. &amp; Salahuddin A. (2017).</u></b> Gastroprotective Effect of Vanillin on Indomethacin-Induced Gastric Ulcer in Rats: Protective Pathways and Anti-Secretory Mechanism. <b><u>Clin. Exp. Pharmacology J.</u></b> 7 (2) DOI: 10.4172/2161-1459.	<b>1.7</b>
<b><u>El-Baky, Salahuddin A., Katary MA. (2017).</u></b> NRAMPI (SLC11A1) Gene-1703 G/A Polymorphisms as Prognostic and Diagnostic Marker of Rheumatoid Arthritis in Egyptian Population. <b><u>J Allergy Ther.</u></b> 8(1) DOI:10.4172/2155-6121.1000246.	<b>0.6</b>
<b><u>Katary MA. &amp; Salahuddin A. (2017).</u></b> Gastroprotective Effect of Punicalagin against Ethanol-Induced Gastric Ulcer: The Possible Underlying Mechanisms. <b><u>Biomarkers J.</u></b> 3:1-3.	<b>0.5</b>
<b><u>Keshk WA &amp; Katary MA. (2016).</u></b> Transforming Growth Factor-b1/Smad3 Signaling and Redox Status in Experimentally Induced Nephrotoxicity: Impact of Carnosine. <b><u>Indian J Clin Biochem.</u></b> 32(1):19-25.	<b>-</b>
<b><u>Soliman N., Zineldeen D., Katary M., Ali D. (2016).</u></b> N- acetyl cysteine Possible Protector Against Experimentally Indomethacin Induced Peptic Ulcer: Cross talks between Antioxidant, Anti-inflammatory and Anti-apoptotic Mechanisms. <b><u>Canadian J. of physiology &amp; pharmacology</u></b> 14:1-8.	<b>1.7</b>
<b><u>Katary M., C. Pye, Elmarakby AA. (2016).</u></b> Meloxicam fails to augment the reno-protective effects of soluble epoxide hydrolase inhibition in streptozotocin-induced diabetic rats via increased 20-HETE levels. <b><u>Prostaglandins Other Lipid Mediat. J.</u></b> 16:30105-8.	<b>2.9</b>

*El-Mowafy AM, Katary MM, Pye C, Ibrahim AS, Elmarakby AA. (2016). Novel molecular triggers underlie valproate-induced liver injury and its alleviation by the omega-3 fatty acid DHA: role of inflammation and apoptosis. Heliyon J. 2(7).*

*Under  
Impact*

*Abdel-Raheem IT., Omran GA, and Katary MA. (2015). Irbesartan, an angiotensin II receptor antagonist, with selective PPAR-gamma-modulating activity improves function and structure of chemotherapy-damaged ovaries in rats. Fundam. Clin. Pharmacol. 29(3):286-98.*

2.1

## PRESENTATIONS AT INTERNATIONAL AND NATIONAL CONFERENCES

- **Katary M., Elsherbini N., Ibrahim A., Al-Shabrawey M., Elmarakby A.** Docosahexaenoic acid attenuates renal injury and inflammation in LPS-induced acute kidney injury via increased resolvin D2. **FASEB J., 2017, 31:1030.28. Experimental Biology, Chicago, USA.**
- **Katary M., Elmarakby A.** Antitumor activity of Salvianolic acid against Ehrlich solid carcinoma in Swiss albino mice. **FASEB J, 2016, 30:742.16. Experimental Biology, California, USA.**
- **Katary M., Pye C., Elmarakby A.** Meloxicam fails to augment the reno-protective effects of soluble epoxide hydrolase inhibition in streptozotocin-induced diabetic rats via up-regulation of cytochrome P450 hydroxylase-mediated 20-HETE production. **FASEB J, 2016, 30:740.16. Experimental Biology, California, USA.**
- **Katary M., Baban B., Elmarakby A.** Up-regulation of let-7b miRNA decreases cytochrome P450 epoxygenase during high fat diet-induced vascular dysfunction and inflammation. **16th International Winter Eicosanoid Conference, 2016, Baltimore, USA.**



- **Katary M.**, Pye C., Elmarakby A. Cyclooxygenase inhibition does not augment reno-protective effect of soluble epoxide hydrolase inhibitor in streptozotocin-induced diabetic rats. **Council on hypertension, American Heart Association, 2015, Washington DC, USA.**
- Elmarakby A., **Katary M.**, Mohamed I., El-Remessy A. High fat diet-induced obesity disrupts vascular homeostasis in both kidney and retina: role of epoxyeicosatrienoic acids. **Council on hypertension, American Heart Association, 2015, Washington DC, USA.**
- **Katary M.** The possible protective effect of liquorice extract against carbon tetrachloride-induced liver fibrosis, **3rd International Scientific Conference of faculty of Pharmacy Cairo University, 2012, Egypt.**
- **Katary M.**, El-Denshary E, Abdelfatah H. Influence of hibiscus extract on hepatotoxicity induced by carbon tetrachloride. **8<sup>th</sup> International Conference of Nutrition, 2011, Egypt.**
- El-Denshary E., Metwely S., **Katary M.**, Nassar N. The possible protective effects of melatonin and estrogen against carbon tetrachloride-induced liver cirrhosis, **Biochemistry & Molecular biotechnology conference, Mar 2008, Cairo, Egypt.**

## REFERENCES

Available upon request