

## CURRICULUM VITAE

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## **EDUCATION**

- **2009: B.Sc.** in Pharmaceutical Sciences (excellent degree with honor), Faculty of Pharmacy, Ain Shams University, Cairo, Egypt.
- **2013: M.Sc.** in Pharmacology and Toxicology, Faculty of Pharmacy, Ain Shams University, Cairo, Egypt.

*Title: Study on the effects of Glycyrrhiza glabra extract on sensorimotor gating in mice*

- **2016: Ph.D.** in Pharmacology and Toxicology, Faculty of Pharmacy, Ain Shams University, Cairo, Egypt.

*Title: Study on the potential neuroprotective effect of tetramethylpyrazine in rotenone-induced model of Parkinson's disease in rats*

## **OCCUPATIONAL BACKGROUND**

- **2010 – 2013:** Demonstrator in the Department of Pharmacology and Toxicology, Faculty of Pharmacy, Ain Shams University.
- **2013 – 2016:** Assistant lecturer in the Department of Pharmacology and Toxicology, Faculty of Pharmacy, Ain Shams University.
- **2016 – Present:** Lecturer in the Department of Pharmacology and Toxicology, Faculty of Pharmacy, Ain Shams University.
- **2020 – Present:** Director of Ranking office, Faculty of Pharmacy, Ain Shams University.

## **ACADEMIC ACTIVITIES**

### **Scope of teaching**

*Undergraduate courses for bachelor program - Faculty of Pharmacy - Ain Shams University*

- Medical Terminology; Basic Pharmacology; Basic Toxicology; Clinical Pharmacology; Clinical Toxicology; Drug and Poison information

*Undergraduate courses for bachelor program – PharmD - Faculty of Pharmacy - Ain Shams University*

- Scientific writing

*Undergraduate courses for bachelor program - Credit hour system - Faculty of Pharmacy - Ain Shams University*

- Medical Terminology, Pharmacology, Toxicology, Pharmacological quality control, Drug interactions and Drug Information, Pharmacological and virtual screening of drugs.

***Undergraduate courses for bachelor program – PharmD clinical - Faculty of Pharmacy - Ain Shams University***

- Scientific writing and communication skills

***Postgraduate courses for the master's degree program - Faculty of Pharmacy- Ain Shams University***

- Biostatistics, Neuropharmacology, Experimental Pharmacology, Selected topics in Pharmacology

**Students' exams and control committees**

Member of practical, oral and written exam committees of all of the teaching courses

2016/2017: member of the second-year control

2017/2018: member of the first-year control

2018/2019 to 2020/2021: member of the control of postgraduate studies

2019/2020: member of the control of the Drug Design Program

**Students' graduation projects**

Supervising the Graduation projects of the Drug Design Program Students in the following academic years:

- 2016/2017
- 2017/2018
- 2019/2020

## **SCIENTIFIC AND RESEARCH ACTIVITIES**

### **H-index**

H-index according to Scopus Author Profile is (8)

### **Review of publications**

Reviewer for international journals, including:

- “Biomedical and environmental sciences” journal, published by “Elsevier” – impact factor: 1.917
- “Clinical and Experimental Pharmacology and Physiology” journal, published by “Wiley” – impact factor: 2.336
- “Immunopharmacology and Immunotoxicology” journal, published by “Informa Pharmaceutical Science (United Kingdom)” – impact factor: 2.086
- “Toxicology” journal, published by “Elsevier” – impact factor: 3.547
- “Molecular and Cellular Biochemistry” journal, published by “Springer” – impact factor: 2.795
- “BMC complementary and alternative medicine”, published by “Biomed central” – impact factor: 3.02
- “Cellular and molecular neurobiology” journal, published by “Springer” – impact factor: 3.606
- “Biological and Pharmaceutical Bulletin of the Japanese society”, published by “J-Stage” – impact factor: 1.863
- “International immunopharmacology” journal, published by “Elsevier” – impact factor: 3.943

## **Theses supervision**

- Currently supervising 4 PhD theses and 12 Master theses in Pharmacology and Toxicology.

## **Training and Workshops**

**2014:** *“Photoshop training course” at ICTP, Faculty of Computer Science, ASU*

**2014:** *“Access training course” at ICTP, Faculty of Computer Science, ASU*

## **Faculty and Leadership Development Center (FLDC)-Ain Shams University**

**2017 – 2021:** “Leadership”

“Time management”

“Credit hours and academic counselling”

“Examination systems and students’ evaluation”

**2013 - 2016:** “Professional Behavior and Ethics”

“Strategic Planning”

“Financial and Legal Issues in Universities”

“Communication Skills”

“International Publication”

**2010 - 2012:** “Application of Technology in Teaching”

“Presentation Skills”

“Recent Trends in Teaching”

“Communication Skills”

“Credit Hours System”

“Organizing scientific conferences”

**Fundamentals of digital transformation certificate (FDTC)-Ain Shams University**

- Fundamentals of information technology (IT)
- Database (Access)
- PowerPoint presentation

**Quality Assurance and Accreditation center – Ain Shams University**

Managing crises and disasters

**Postgraduate studies and research sector – Ain Shams University**

- Workshop on the Egyptian Knowledge Bank
- Setting up e-learning programs and PowerPoint presentation skills

**Higher Education Development Projects Management Unit**

- Evaluation tools and preparation of multiple-choice questions – Health sector
- Training course on using the e-learning system (Moodle)

**Elsevier researcher academy**

Elsevier – EKB tour

**Technische Universität, International Cooperation Section and Ain Shams University, International Relations and Academic Collaboration Sector**

Capacity-Building Online Workshop ASU-TUB: “Raising awareness of Internationalization”

## Conferences

**2019:** Attendance: 8<sup>th</sup> ASU conference: “Creativity .. Innovation .. Industry” – Ain Shams University

**2017:** Poster presentation: “Fourth FUE international conference of pharmaceutical sciences” – Future University in Egypt

## PUBLICATIONS

[1] E.T. Menze, H. Ezzat, S. Shawky, M. Sami, E.H. Selim, S. Ahmed, N. Maged, N. Nadeem, S. Eldash, **H.E. Michel**, Simvastatin mitigates depressive-like behavior in ovariectomized rats: Possible role of NLRP3 inflammasome and estrogen receptors’ modulation, *International Immunopharmacology* 95 (2021) 107582.

[2] A.Y. Labib, R.M. Ammar, R.N. El-Naga, A.A.Z. El-Bahy, M.G. Tadros, **H.E. Michel**, Mechanistic insights into the protective effect of paracetamol against rotenone-induced Parkinson’s disease in rats: Possible role of endocannabinoid system modulation, *International Immunopharmacology* 94 (2021) 107431.

[3] B.M. Ayoub, **H.E. Michel**, S. Mowaka, M.S. Hendy, M.M. Tadros, Repurposing of Omarigliptin as a Neuroprotective Agent Based on Docking with A2A Adenosine and AChE Receptors, Brain GLP-1 Response and Its Brain/Plasma Concentration Ratio after 28 Days Multiple Doses in Rats Using LC-MS/MS, *Molecules* 26(4) (2021) 889.

[4] M.J. Mohammed, M.G. Tadros, **H.E. Michel**, Geraniol protects against cyclophosphamide-induced hepatotoxicity in rats: Possible role of MAPK and PPAR- $\gamma$  signaling pathways, *Food and Chemical Toxicology* 139 (2020) 111251.

[5] N.M. Fahmy, E. Al-Sayed, **H.E. Michel**, M. El-Shazly, A.N.B. Singab, Gastroprotective effects of *Erythrina speciosa* (Fabaceae) leaves cultivated in Egypt against ethanol-induced gastric ulcer in rats, *Journal of ethnopharmacology* 248 (2020) 112297.

[6] W.M. Ismail, S.M. Ezzat, **H.E. Michel**, K.S. El Deeb, A.M. El-Fishawy, Angiotensin-converting enzyme and renin inhibition activities, antioxidant

properties, phenolic and flavonoid contents of *Cuphea ignea* A. DC, *Journal of Reports in Pharmaceutical Sciences* 9(1) (2020) 92.

[7] M.A. Salem, **H.E. Michel**, M.I. Ezzat, M.M. Okba, A.M. El-Desoky, S.O. Mohamed, S.M. Ezzat, Optimization of an Extraction solvent for angiotensin-converting enzyme inhibitors from *hibiscus sabdariffa* l. based on its UPLC-MS/MS metabolic profiling, *Molecules* 25(10) (2020) 2307.

[8] E. Al-Sayed, **H.E. Michel**, M.A. Khattab, M. El-Shazly, A.N. Singab, Protective role of casuarinin from *Melaleuca leucadendra* against ethanol-induced gastric ulcer in rats, *Planta medica* 86(01) (2020) 32-44.

[9] R.M. Labib, I.M. Ayoub, **H.E. Michel**, M. Mehanny, V. Kamil, M. Hany, M. Magdy, A. Moataz, B. Maged, A. Mohamed, Appraisal on the wound healing potential of *Melaleuca alternifolia* and *Rosmarinus officinalis* L. essential oil-loaded chitosan topical preparations, *PloS one* 14(9) (2019) e0219561.

[10] **H.E. Michel**, E.T. Menze, Tetramethylpyrazine guards against cisplatin-induced nephrotoxicity in rats through inhibiting HMGB1/TLR4/NF- $\kappa$ B and activating Nrf2 and PPAR- $\gamma$  signaling pathways, *European journal of pharmacology* 857 (2019) 172422.

[11] A. Ashraf, P.A. Mahmoud, H. Reda, S. Mansour, M.H. Helal, **H.E. Michel**, M. Nasr, Silymarin and silymarin nanoparticles guard against chronic unpredictable mild stress induced depressive-like behavior in mice: involvement of neurogenesis and NLRP3 inflammasome, *Journal of Psychopharmacology* 33(5) (2019) 615-631.

[12] B.M. Ayoub, S. Mowaka, M.M. Safar, N. Ashoush, M.G. Arafa, **H.E. Michel**, M.M. Tadros, M.M. Elmazar, S.A. Mousa, Repositioning of omarigliptin as a once-weekly intranasal anti-parkinsonian agent, *Scientific reports* 8(1) (2018) 1-13.

[13] **H.E. Michel**, M.G. Tadros, A. Esmat, A.E. Khalifa, A.M. Abdel-Tawab, Tetramethylpyrazine ameliorates rotenone-induced Parkinson's disease in rats: involvement of its anti-inflammatory and anti-apoptotic actions, *Molecular neurobiology* 54(7) (2017) 4866-4878.

[14] **H.E. Michel**, M.G. Tadros, A.B. Abdel-Naim, A.E. Khalifa, Prepulse inhibition (PPI) disrupting effects of *Glycyrrhiza glabra* extract in mice: a possible role of monoamines, *Neuroscience letters* 544 (2013) 110-114.