

MOHAMED MAHMOUD MOHAMED HAFEZ
(Ph.D. Pharm.Sc.)

Curriculum Vitae

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<i>Education</i>	<p>Ph.D. of Pharmaceutical Sciences – Biochemistry (Ph.D. Pharm.Sc.) Suez Canal University Ismailia, Egypt 2014</p> <p>Master of Pharmaceutical Sciences – Biochemistry (M.Pharm.Sc.) Zagazig University Zagazig, Egypt 2011</p>
<i>Association Membership</i>	<p>2017- Present Member in ‘The Egyptian Association for the Study of Liver and Gastrointestinal Diseases’.</p>
<i>Professional Career Experience</i>	<p>✓ May 2021 – Present Ahran Canadian University (ACU) Faculty of Pharmacy Associate Professor of Biochemistry and Molecular Biology</p> <p>✓ July 2017 – May 2021 Ahran Canadian University (ACU) Faculty of Pharmacy Assistant Professor (Lecturer) of Biochemistry and Molecular Biology</p> <p>Feb. 2009-June 2017 October University For Modern Sciences & Arts (MSA) Faculty of Pharmacy Teaching Assistant – Assistant Lecturer – Lecturer (Assistant Professor)</p>

	<p>Teaching and assisting in the delivery of academic education courses for undergraduates, the courses include:</p> <ul style="list-style-type: none"> ▪ Cell Biology ▪ Biochemistry I (Faculty of Pharmacy & Faculty of Dentistry) ▪ Biochemistry II (Faculty of Pharmacy & Faculty of Dentistry) ▪ Clinical Biochemistry ▪ Applied Clinical Analysis ▪ Clinical Nutrition ▪ Biochemical Lab Techniques ▪ Molecular Biology <p>In addition, I'm involved in several administrative, academic, and cultural activities in the University, include:</p> <ul style="list-style-type: none"> ▪ Advising & Registration ▪ Proctoring ▪ IT committee (E-Learning Committee) <p>✓ December 2013 – April 2017 Bioequivalence center of MSA University General Manager</p> <p>Contribute to the design, planning, implementation and monitoring of the projects and programs. Provide advisory services, technical assistance, plan, execute and evaluate activities of the bioequivalence center. Establish, develop and maintain cooperative links with the pharmaceutical companies and customers.</p>								
<i>Ph.D. Study</i>	<p style="text-align: center;">My dissertation being entitled:</p> <p style="text-align: center;">The role of cinnamon and ginger in coronary artery diseases in experimental hyperlipidemic rats</p>								
<i>Master Study</i>	<p style="text-align: center;">My dissertation being entitled:</p> <p style="text-align: center;">Management of Cardiac Fibrosis in Diabetic Rats; Role of Peroxisome Proliferator Activated Receptor Gamma and Calcium Channel Blockers</p> <p>Studied general and special courses:</p> <table border="1" data-bbox="469 1823 1458 2047"> <tbody> <tr> <td>• Biochemistry</td> <td>• Instrumental Analysis</td> </tr> <tr> <td>• Research Methods & Procedures</td> <td>• Physical Chemistry</td> </tr> <tr> <td>• English & Terminology</td> <td>• Mathematics</td> </tr> <tr> <td>• Statistics</td> <td>• Computer Sciences</td> </tr> </tbody> </table>	• Biochemistry	• Instrumental Analysis	• Research Methods & Procedures	• Physical Chemistry	• English & Terminology	• Mathematics	• Statistics	• Computer Sciences
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• Research Methods & Procedures	• Physical Chemistry								
• English & Terminology	• Mathematics								
• Statistics	• Computer Sciences								

Publications

- I work as a referee in many international journals.
- I work as a member in the editorial team of the journal of **Nephrology and Therapeutics** (Having a certificate of the prestigious editor).

Published Papers (18 Papers):

1. **Management of cardiac fibrosis in diabetic rats; the role of peroxisome proliferator activated receptor gamma (PPAR-gamma) and calcium channel blockers (CCBs)**
Hoda E Mohamad, Mervat E Askar and **Mohamed M Hafez**
Diabetol Metab Syndr 3:4. 2011
2. **The Biochemical Changes of Some Female Sex Hormones in End Stage Renal Diseases (ESRD)**
Khalifa M (2012).
J Nephrol Therapeut 2:e108.
3. **Oxidative Stress Markers and Homocysteine Alteration in Hyperlipidemic Rats: Role of Cinnamon and Gingerin Treatment of Coronary Artery Diseases.**
Dina M. Abo-Elmatty , Atef E. Abd El-Baky , Hashem A. Hassanean , **Mohamed M Hafez**
Oijrj 4, 2014
4. **The Role of Natural Products in Coronary Artery Diseases Caused By Hyperlipidemia.**
Dina M. Abo-Elmatty , Atef E. Abd El-Baky , Hashem A. Hassanean , Mohamed S Othman , **Mohamed M Hafez**
Oijrj 4, 2014
5. **NOS Expression in Oxidative Stress, Neurodegeneration and Male Infertility Induced by the Abuse of Tramadol**
El-Baky AEA and **Hafez MM**
Biochem Pharmacol (Los Angel) 2017, 6:1
6. **Association of Apelin Genetic Variants with Type Two Diabetes Mellitus in Egyptian Population**
Sherine M Ibrahim, Mohamed M Hafez, Amr M Abdelhamid
Endocrinol Diabetes Res 2018, 4:3
7. **Combined vildagliptin and memantine treatment downregulates expression of amyloid precursor protein, and total and phosphorylated tau in a rat model of combined Alzheimer's**

disease and type 2 diabetes.

Khalaf SS, Hafez MM, Mehanna ET, Mesbah NM, Abo-Elmatty DM

Naunyn Schmiedebergs Arch Pharmacol. 2019 Feb 13.

8. Biochemical linkage of type 2 diabetes mellitus and Alzheimer's disease.

Samar S. Khalafa, Mohamed M. Hafez, Eman T. Mehannaa, Noha M. Mesbaha, Dina M. Abo-Elmatty.

RECORDS OF PHARMACEUTICAL AND BIOMEDICAL SCIENCES.

9. The Potential Role of Zinc Oxide Nanoparticles in MicroRNAs Dysregulation in STZ-Induced Type 2 Diabetes in Rats.

Othman MS, Hafez MM, Abdel Moneim AE

Biol Trace Elem Res. 2019 Dec 17.

10. Neuroprotective role of luteolin against lead acetate-induced cortical damage in rats.

Baty RS, Hassan KE, Alsharif KF, El-Hennamy RE, Elmahallawy EK, Hafez MM, Moneim AA, Kassab RB.

Hum Exp Toxicol. 2020 Mar 25:960327120913094.

11. Gene Polymorphisms of Patatin-like phospholipase domain containing 3 (PNPLA3), Adiponectin, Leptin in Diabetic Obese Patients.

Omnia Aly, Hanan Hassan Zaki, Mohamed R Herzalla, Ahmed fathy, Nermin Raafat, Mohamed M Hafez.

PLoS One. 2020 Jun 16;15(6):e0234465.

12. Oleuropein protects against lipopolysaccharide-induced sepsis and alleviates inflammatory responses in mice.

Khalaf F Alsharif, Abdulraheem A Almalki, Osama Al-Amer, Ahmad H Mufti, Abdulrahman Theyab, Maha S Lokman, Shima S Ramadan, Rafa S Almeer, Mohamed M Hafez, Rami B Kassab, Ahmed E Abdel Moneim.

IUBMB Life. 2020 Jul 25. doi: 10.1002/iub.2347.

13. Ferulic acid influences Nrf2 activation to restore testicular tissue from cadmium-induced oxidative challenge, inflammation, and apoptosis in rats.

Rami B Kassab, Maha S Lokman, Hamid M A Daabo, Dalia A Gaber, Ola A Habotta, Mohamed M Hafez, Ahmed S Zhery, Ahmed E Abdel Moneim, Manar S Fouda.

J Food Biochem. 2020 Oct 12;e13505. doi: 10.1111/jfbc.13505.

14. Association between Cluster of Differentiation 24 (CD24) Polymorphism, Talin-1 gene expression and Hepatocellular Carcinoma prevalence in Egyptian population.

Mohamed M Hafez, Lina Jamil M. Abdel-Hafez, Lubna Jamil, Sherine M. Ibrahim.

Archives of medical science. [DOI: https://doi.org/10.5114/aoms/140451](https://doi.org/10.5114/aoms/140451)

15. Anti-oxidant, anti-apoptotic, and mitochondrial regulatory effects of selenium nanoparticles against vancomycin induced nephrotoxicity in experimental rats.

Mehanna ET, Khalaf SS, Mesbah NM, Abo-Elmatty DM, **Hafez MM.**

PMID: 34715137 DOI: 10.1016/j.lfs.2021.120098.

16. Coomassie brilliant blue G-250 dye attenuates bleomycin-induced lung fibrosis by regulating the NF- κ B and NLRP3 crosstalk: A novel approach for filling an unmet medical need.

Mona H. Zohny, Simona Cavalu, Mahmoud E. Youssef, Mohamed M.Y. Kaddah, Ahmed A.E. Mourad, Ahmed Gaafar Ahmed Gaafar, Eman El-Ahwan, Noha A. Amin, Heba M. Arakeep, Ahmed Shata, Safaa Saleh, **Mohamed M. Hafez**, Sara T. Elazab, Rasha Abdelhady, Rehab Mohamed El Shahat, Galal Yahya, Sameh Saber. *Biomedicine & Pharmacotherapy*; 148 (2022), 112723.

17. Nifuroxazide-loaded cubosomes exhibit an advancement in pulmonary delivery and attenuate bleomycin-induced lung fibrosis by regulating the STAT3 and NF- κ B signaling: A new challenge for unmet therapeutic needs.

Saber S, Nasr M, Kaddah MMY, Mostafa-Hedeab G, Cavalu S, Mourad AAE, Gaafar AGA, Zaghlool SS, Saleh S, **Hafez MM**, Girgis S, Elgharabawy RM, Nader K, Alsharidah M, Batiha GE, El-Ahwany E, Amin NA, Elagamy HI, Shata A, Nader R, Khodir AE. *Biomed Pharmacother.* 2022 Feb 24;148:112731.

18. Nanomedicine Applications of Selenium Nanoparticles: Small is Big.

Samar S Khalaf, Eman Mehanna, **Mohamed M Hafez**, Dina Abo-elmatty.

May 2022; *Records of Pharmaceutical and Biomedical Sciences* 6(1):1-9.

DOI: 10.21608/RPBS.2022.125386.1127.

International Published Books	<ul style="list-style-type: none"> • Attenuation of Cardiac Fibrosis (2018). • Medical effects of some natural products on neurodegenerative diseases (2020).
Accession number on database gene bank	<ul style="list-style-type: none"> • LC175852 PNPLA3 • LC171330 PNPLA3
Conferences	<p>2009 Clinical pharmacy conference was held at MSA university</p> <p>2010 Biochemistry conference was held at MSA university</p> <p>2013</p> <ul style="list-style-type: none"> • 1st MSA Clinical Pharmacy Scientific Day. • Advances in Biochemistry and Molecular Biology in Diagnosis and Treatment (National Committee for Biochemistry and Molecular Biology) at October 6 University. <p>2016</p> <ul style="list-style-type: none"> • Clinical biochemistry conference was held at 6 October university. • Pharmaconex conference was held at Nasr city. <p>2017</p> <ul style="list-style-type: none"> • Clinical biochemistry conference was held at MSA University. • The 5th Annual Conference of Ain Shams Tropical Medicine Department. <p>2018</p> <ul style="list-style-type: none"> • 2nd International pharmacy conference was held at ACU university. • Pharmaceutical Vigilance Scientific Day (Ministry of Health). <p>2019</p> <ul style="list-style-type: none"> • The 17th Annual International Congress of the Egyptian Association for The Study of liver and Gastrointestinal Diseases (EASLGD 2019). • Innovative Technologies of Stem Cells & Gene Editing in Different Types of Therapeutics (Al-Azhar University).

<p><i>Workshops</i></p>	<p>2015</p> <ul style="list-style-type: none"> ▪ Workshop in HPLC. <p>2016</p> <ul style="list-style-type: none"> ▪ Mass Spectrometer and Capabilities in Bio Analysis. ▪ Leadership Skills for Administration at MSA University (13 hours). <p>2017</p> <ul style="list-style-type: none"> ▪ Workshop in Real-Time PCR (Theory and Practical) at Arab Society of Stem Cells & Molecular Biology. <p>2021</p> <ul style="list-style-type: none"> ▪ Workshop in new NARS 2017 at Ahram Canadian University (ACU).
<p><i>Special Skills</i></p>	<p>Managerial Skills</p> <ul style="list-style-type: none"> ▪ Self-evaluation of institutions of higher education (NAQAAE) (Quality) ▪ External audit cycle for higher education institutions (NAQAAE) (Quality) ▪ Time Management ▪ Presentation skills ▪ Communication ▪ Self-Assessment & Orientation ▪ Situational Leadership ▪ Emotional Intelligence ▪ TOEFL degree ▪ Business course ▪ Marketing course ▪ Good Coaching course ▪ Leadership course ▪ E-Learning course ▪ Gap Analysis between B of Pharmacy – ACU and new NARS. ▪ Art and leadership skills ▪ Strategic planning ▪ The organizational structure of the college ▪ Self-study ▪ Program specification and program reports ▪ Control works ▪ Teaching and learning strategy ▪ Writing research projects ▪ Eliminate work stress and tension ▪ Evaluation of the targeted learning outcomes ▪ Pharmaceutical Vigilance Scientific Day.

	<ul style="list-style-type: none"> ▪ Digital transformation workshop. <p>Research skills</p> <ul style="list-style-type: none"> ▪ Supervisor on a lot of research graduation projects for MSA students. ▪ Supervisor on many postgraduate students (4 Master students and 1 PhD students). <p>Computer Skills</p> <ul style="list-style-type: none"> ▪ Efficiency in using Windows (till Windows 11). ▪ Efficiency in using Office 2017. ▪ Efficiency in using SPSS statistics program. ▪ Efficiency in using Graph Pad Prism statistics program. ▪ ICDL course ▪ Digital transformation workshop. <p>Languages</p> <ul style="list-style-type: none"> ▪ Native speaker of Arabic ▪ Fluent in English ▪ Fair in French
<p><i>Community Services</i></p>	<ul style="list-style-type: none"> • Participating in "<i>Lebaladna</i>" project for building new houses for the poor families in "Fayoum governorate" at MSA University from 2010 till July 2017. • Participating in "Health and Safety Executive (HSE) committee at MSA University from 2016 till July 2017. • Making awareness lectures under the sponsorship of EPSF from 2014 till 2017. • Working as a general manager of Bioequivalence center at MSA for more than 3 years for the health organizations and patients' services. • Working as a reviewer and editorial member in many international journals for the scientific committees' services, 2011 till now.
	<ul style="list-style-type: none"> ▪ Prof. Dr. Nahla El-Ashmawy Dean of faculty of pharmacy & Professor of Biochemistry Tanta university Tanta, Egypt Email: nahlaelashmawy@yahoo.com

<i>References</i>	<ul style="list-style-type: none">▪ Prof. Dr. Gamal Omran Dean of faculty of pharmacy & Professor of Biochemistry Damanhour university Damanhour, Egypt Email: gamomran1971@yahoo.com ▪ Prof. Dr. Hoda El-Sayed Mohamed Professor of Biochemistry Department Zagazig university Zagazig, Egypt Email: hodael_sayed@yahoo.com ▪ Prof. Dr. Zeinab Abd El-Tawab Professor of Biochemistry Department Helwan university Cairo, Egypt Email: zihassan2008@hotmail.com
<i>Documented References</i>	Furnished upon request