

Curriculum Vitae

Amal Galal Omar, M.Sc., Ph.D.

Vice-Dean for Student Affairs

Professor of Pharmacology

College of Pharmacy, Arab Academy for Science, Technology and
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PERSONAL DATA

Date & Place of birth: February 10, 1968, Alexandria, Egypt.

Nationality: Egyptian.

Marital Status: Married, 1 daughter.

ACADEMIC QUALIFICATIONS

1. **Ph.D.** in Pharmacology (May 2002), Faculty of Pharmacy, Alexandria University, entitled "Cyclosporine-induced nephrotoxicity in rats and possible modulatory mechanisms".
2. **M.Sc.** in Pharmacology (March 1996), Faculty of Pharmacy, Alexandria University, entitled "Influence of dopaminergic mechanisms in the modulation of neurotransmission".
3. **B.Sc.** in Pharmaceutical Sciences (June 1990), Top graduate, Distinction honor, Faculty of Pharmacy, Alexandria University, Egypt.
4. **High School Certificate** (1985), Science section, Grade 97.7%, French education school "Institution Sainte Jeanne Antide", Alexandria, Egypt.

APPOINTMENTS

I- Academic:

1. Professor of Pharmacology (December 2019 to date), College of Pharmacy, Arab Academy for Science, Technology & Maritime Transport (AASTMT), Alexandria, Egypt.
2. Professor of Pharmacology (July 2016 to November 2019), Department of Pharmacology & Toxicology, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt.
3. Associate Professor of Pharmacology (January 2008 to June 2016), Department of Pharmacology & Toxicology, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt.
4. Lecturer of Pharmacology (June 2002 - December 2007), Department of Pharmacology & Toxicology, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt.
5. Assistant Lecturer (May 1996 – May 2002), Department of Pharmacology & Toxicology, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt.
6. Instructor (January 1991 – April 1996), Department of Pharmacology & Toxicology, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt.

II- Administrative:

1. Vice-Dean for Student Affairs (May 2022 to date), College of Pharmacy, Arab Academy for Science, Technology & Maritime Transport (AASTMT), El-Alamein, Egypt.
2. President Assistant for Pharmaceutical Affairs (June 2021 to April 2022), College of Pharmacy, Arab Academy for Science, Technology & Maritime Transport (AASTMT), Alexandria, Egypt.
3. Vice-Dean for Educational Affairs (February 2020 to April 2022), College of Pharmacy, Arab Academy for Science, Technology & Maritime Transport (AASTMT), Alexandria, Egypt.
4. Vice-Dean for Education & Student Affairs (December 2017 to November 2019), Faculty of Pharmacy, Alexandria University, Alexandria, Egypt.

5. Executive Director of the Quality Assurance Unit (January 2017 - November 2017), Faculty of Pharmacy, Alexandria University, Alexandria, Egypt.
6. Head of the department of Pharmacology & Therapeutics (September 2013 – June 2016), Faculty of Pharmacy, Beirut Arab University (BAU), Beirut, Lebanon.
7. Academic Advising Coordinator, (September 2014 to June 2016), Faculty of Pharmacy, Beirut Arab University (BAU), Beirut, Lebanon.
8. Dean of Admission & Registration (April 2009 - September 2009), Pharos University in Alexandria (PUA), Alexandria, Egypt.
9. Head of the department of Pharmacology & Toxicology (January 2008 – March 2009), Faculty of Pharmacy & Drug Manufacturing, Pharos University in Alexandria (PUA), Alexandria, Egypt.
10. Head of Academic Advising & Registration (June 2008 - March 2009), Pharos University in Alexandria (PUA), Alexandria, Egypt.

TEACHING EXPERIENCE

1. Teaching Basic Pharmacology & Therapeutics to undergraduate students, College of Pharmacy, Arab Academy for Science, Technology & Maritime Transport (AASTMT), Egypt.
2. Participate in teaching Cell Biology, Clinical Pharmacology & Therapeutics to undergraduate students, Clinical Pharmacy Program, Faculty of Pharmacy, Alexandria University.
3. Teaching Biochemistry to undergraduate students, Faculty of Pharmacy, Beirut Arab University (BAU).
4. Teaching Pharmacology to undergraduate students, Faculty of Pharmacy, and Faculty of Dentistry Beirut Arab University (BAU).
5. Teaching Pharmacotherapeutics to undergraduate students, Faculty of Pharmacy, Beirut Arab University (BAU).
6. Teaching the following courses to postgraduate Pharmacy students, Beirut Arab University (BAU): Special topics in Biochemistry, Advanced Biochemistry, Advanced Biochemical techniques, Experimental Pharmacology, Selected topics in Toxicology, Advanced topics in experimental pharmacology, Research topics in cardiovascular & renal pharmacology.
7. Teaching Applied pharmacology to postgraduate Dentistry students, Beirut Arab University (BAU).
8. Participate in teaching Bioevaluation & Drug Screening to undergraduate students, Faculty of Pharmacy & Drug Manufacturing, Pharos University in Alexandria (PUA).
9. Participate in teaching Forensic Chemistry to undergraduate students, Faculty of Pharmacy & Drug Manufacturing, Pharos University in Alexandria (PUA).
10. Participate in teaching Pharmacology to undergraduate students, Faculty of Pharmacy & Drug Manufacturing, Pharos University in Alexandria (PUA).
11. Participate in teaching Biochemistry to undergraduate Pharmacy & Dentistry students, Pharos University in Alexandria (PUA).
12. Participate in teaching Cell & Molecular Biology to undergraduate students, Faculty of Pharmacy & Drug Manufacturing, Pharos University in Alexandria (PUA).
13. Participate in teaching advanced Pharmacology courses to postgraduate Pharmacy students, Faculty of Pharmacy, Alexandria University.
14. Participate in teaching Pharmacology, Toxicology, Biological Assays, Cell Biology, Clinical Pharmacology and Therapeutics to undergraduate students, Faculty of Pharmacy, Alexandria University.
15. Participate in teaching laboratory courses of Pharmacology, Biochemistry, Toxicology and Biological Assays for undergraduate students, Faculty of Pharmacy, Alexandria University.

THESES SUPERVISION

I- PharmD:

1. Candidemia Incidence, Risk Factors and Associated Outcomes at a University Hospital in Beirut; Sarah El-Massry, Faculty of Pharmacy, Beirut Arab University (BAU); defense date: 12/12/2012.
2. Acute Coronary Syndrome Characteristics, Risk Factors and In-hospital Outcomes: A Retrospective Study on Patients Admitted to Coronary Care Unit at A Lebanese University Hospital; Sarah Zouhairy, Faculty of Pharmacy, Beirut Arab University (BAU); defense date: 21/1/2013.
3. Type 2 diabetes mellitus: a retrospective study of metabolic and blood pressure control; Hanan Noureldinne, Faculty of Pharmacy, Beirut Arab University (BAU); defense date: 23/4/2013.
4. Evaluation of Use Patterns and Adherence to Antidepressants in a Sample of Lebanese Population; Mariam Ali, Faculty of Pharmacy, Beirut Arab University (BAU); defense date: 29/5/2013.
5. Evaluation of Patients Knowledge Regarding Chronic Medication Therapy; Faten Dakdouk, Faculty of Pharmacy, Beirut Arab University (BAU); defense date: 21/11/2013.
6. Opinion of the Pharmacist in Lebanon towards continuous education and an assessment of the need to it; Fadia Shahal, Faculty of Pharmacy, Beirut Arab University (BAU); defense date: 12/1/2015.
7. Assessment of insomnia prevalence, risk factors & treatment pattern in the Lebanese community: a community Pharmacy based study; Lama Al- Aridi, Faculty of Pharmacy, Beirut Arab University (BAU); defense date: 18/5/2015.
8. Aspirin for Primary Prevention of Myocardial Infarction and Ischemic Stroke: a Cross Sectional Study to Assess Compliance to Guidelines; Walid Maasarani, Faculty of Pharmacy, Beirut Arab University (BAU); defense date: 9/9/2015.
9. How much do consumers really know about non-steroidal anti-inflammatory drugs? A community Pharmacy based survey study; Sarah El Sayegh, Faculty of Pharmacy, Beirut Arab University (BAU); defense date: 10/9/2015.
10. Assessment of the Role of the Pharmacists in Patients Complaining of Heartburn: A Community Based Study in Lebanon; Rawan Ismail, Faculty of Pharmacy, Beirut Arab University (BAU); defense date: 10/9/2015.
11. Assessment of the Eligible Use of Novel Oral Anticoagulants versus Acenocoumarol in a Sample of Lebanese Patients: A Retrospective Study; Mira Abou Dargham, Faculty of Pharmacy, Beirut Arab University (BAU); defense date: 10/9/2015.
12. Impact of Social Media on Pharmacy Profession; Rawan Marwan Eido, Faculty of Pharmacy, Beirut Arab University (BAU); defense date: 4/11/2015.
13. Assessment of Medication Reconciliation at Hospital Discharge: A Prospective Study on a Sample of Lebanese Hospitalized Patients; Sarah Daher, Faculty of Pharmacy, Beirut Arab University (BAU); defense date: 16/11/2015.

II- Masters:

1. Adverse vascular effects of cyclosporine in rats; Mai Mostafa Helmy; Faculty of Pharmacy, Alexandria University; defense date: 13/2/2006.
2. Role of potassium channel modulators in morphine-induced analgesia in rats; Suzanne Awny Nasser, Faculty of Pharmacy, Beirut Arab University (BAU); defense date: 4/7/2007.

3. Study of the interaction of celecoxib, nitric oxide and reactive oxygen species in ischemic acute renal failure in rats; Lobna Mohamed Abdel Moneim, Faculty of Pharmacy & Drug Manufacturing, Pharos University in Alexandria (PUA); defense date: 18/4/2013.
4. Study of Hemodynamic effects of Gabapentin in Experimental Animals; Safaa Hammoud, Faculty of Pharmacy, Beirut Arab University (BAU); defense date: 26/11/2013.
5. Evaluation of the anticholinesterase activity and hepatotoxicity of selected chemical compounds; Hassan Mohamed Haidar, Faculty of Pharmacy, Beirut Arab University (BAU); defense date: 27/4/2016.
6. The study of the effect of Nootkatone on liver fibrosis; Amani Ali Al Kurdy; Faculty of Pharmacy, Beirut Arab University (BAU); defense date: 29/6/2016.

III- PhD:

1. Hemodynamic interaction between cyclosporine and centrally acting antihypertensive agents; Mai Mostafa Helmy, Faculty of Pharmacy, Alexandria University; defense date: 14/9/2009.
2. Modulation of EDHF-Mediated Renovascular Relaxation by CYP Inducers/Inhibitors in Cyclosporine Nephrotoxicity in Rats; Safaa Hammoud, Faculty of Pharmacy, Beirut Arab University (BAU); defense date: 16/9/2017.

CONFERENCES ATTENDED

1. 65th International **Congress of FIP**, Cairo, Egypt (3-8/9/2005).
2. 47th Annual Conference of the **Egyptian Society of Pharmacology & Experimental Therapeutics**, Helwan University, Helwan, Egypt (1/12/2005).
3. **Biovision Alexandria** 2006, Bibliotheca Alexandrina, Alexandria, Egypt (26-29/4/2006).
4. **Biovision Alexandria** 2008, Bibliotheca Alexandrina, Alexandria, Egypt (12-16/4/2008).
5. Recent Advances in Pharmaceutical Research and Technology, Beirut Arab University (BAU), Beirut, Lebanon, (6-7/5/2010).
6. Conference of the **Lebanese Order of Pharmacists**, Hilton Beirut Habtoor Grand Hotel, Lebanon (22/10/2011).
7. 20th **LAAS** International Scientific Conference, **New Frontiers in Science**, Lebanese University, Hadath, Beirut, Lebanon (27-29/3/2014).
8. **APU – BAU** Congress, Appropriate Use of Medication: **A guarantee for a safe society**, Beirut Arab University (BAU), Beirut, Lebanon (5-6/6/2015).
9. 4th International Conference organized by the National Authority for Quality Assurance and Accreditation of Education (NAQAAE), entitled: “**Quality Assurance of Education: Bridging gaps and building trust**”, Cairo, Egypt (23/4/2017).
10. Global Forum for Higher Education and Scientific Research (GFHS 2019) “**Between the Present and the Future**”, Cairo, Egypt (4-6/4/2019).
11. First FIP Regional Conference, Eastern Mediterranean Region, “**Envisioning the Future together: Transforming Pharmacy for better Primary Healthcare**”, Amman, Jordan (25-26/4/2019).
12. 79th FIP World Congress of Pharmacy and Pharmaceutical Sciences, “**New Horizons for Pharmacy – Navigating Winds of Change**”, Abu Dhabi, UAE (22-26/9/2019).
13. International Conference on Pharmaceutical and Healthcare Sciences, **PHS 2019**, “Towards a new Pharmacy Era”, Alexandria, Egypt (6-7/11/2019).

COURSES, WORKSHOPS & WEBINARS ATTENDED

1. Faculty & Leadership Development Project (FLDP) course for: "**Effective Communication**", Alexandria University (23-28/10/2004).
2. Faculty & Leadership Development Project (FLDP) course for: "**Ethical Aspects of Teaching**", Alexandria University (4-6/12/2004).
3. Faculty & Leadership Development Project (FLDP) course for: "**Skills of Effective Thinking**", Alexandria University (11-14/12/2004).
4. Faculty & Leadership Development Project (FLDP) course for: "**Management of Scientific research**", Alexandria University (14-17/5/2005).
5. Faculty & Leadership Development Project (FLDP) course for: "**Preparing Research project**", Alexandria University (7-9/7/2007).
6. Faculty & Leadership Development Project (FLDP) course for: "**Time & Stress management**", Alexandria University (21-24/7/2007).
7. Faculty & Leadership Development Project (FLDP) course for: "**Curriculum Design**", Alexandria University (14-16/8/2007).
8. Seminar & workshop series for "**Bioanalytical lab Workers Training**" offered by the Development & Application of Advanced Instrumental Analysis of Drug Quality Control Curriculum (DAQC) project, Alexandria University (24-27/7/2005).
9. Workshop for training on "**Microlabs**" computer program to teach practical pharmacology, Faculty of Pharmacy, Misr University for Science & Technology (MUST) (16/3/2006).
10. **MS PowerPoint XP** course, grade A, The American University in Cairo, Center for Adult and Continuing Education, in cooperation with the Arab Academy for Science, Technology and Maritime Transport Community Service Programs (4/8/2006).
11. **MS Excel** course, grade A, The Arab Academy for Science and Technology and Maritime Transport Community Service Programs (4/9/2006).
12. **AD Instruments** workshop entitled "**Applications in Biomedical Engineering**"; Golden Tulip Galleria Hotel, Jnah, Beirut, Lebanon (27/2/2013).
13. **AD Instruments** workshop entitled "**Recent Advances in Cardiovascular Research**"; Faculty of Medicine, Lebanese University, Hadath, Beirut, Lebanon (9/11/2013).
14. **Enhancement of Staff-members' Teaching Skills** workshops, Beirut Arab University (BAU) (Academic year 2013/2014).
15. Faculty & Leadership Development Center (FLDC) course for: "**Credit Hour System**", Alexandria University (4-5/7/2016).
16. Faculty & Leadership Development Center (FLDC) course for: "**Exams & Student Assessment**", Alexandria University (11-12/7/2016).
17. Faculty & Leadership Development Center (FLDC) course for: "**Crisis & Disaster Management**", Alexandria University (13-14/7/2016).
18. Faculty & Leadership Development Center (FLDC) course for: "**Management of Scientific references**", Alexandria University (18-19/7/2016).
19. Faculty & Leadership Development Center (FLDC) course for: "**Criteria of Quality in Teaching**", Alexandria University (21/7/2016).
20. Faculty & Leadership Development Center (FLDC) course for: "**Effective Presentation Skills**", Alexandria University (21/7/2016).
21. Seminar entitled: "**Student-Centered Learning Reform and Expected Outcomes**"; organized by Alexandria University with collaboration of the committee of Higher Education

- Reform Experts, Ministry of High Education; Convention center, Faculty of Medicine, Alexandria (24/12/2016).
22. Course entitled: "**Smart Pharmacy Education**"– in Hospital 57357 with the collaboration of the Accreditation Council for Pharmacy Education in the USA, International Services (ACPE), Cairo (1-3/2/2017).
 23. Workshop organized by the National Authority of Quality Assurance and Accreditation of Education (NAQAAE), entitled: "**National Academic Reference Standards for Pharmacy Education**" – 2nd edition, Cairo (20/4/2017).
 24. Faculty & Leadership Development Center (FLDC) training matrix to qualify Leaders: "**Strategic Thinking and Leadership**", Alexandria University (15-16/5/2017).
 25. Faculty & Leadership Development Center (FLDC) training matrix to qualify Leaders: "**Innovative Problem solving and decision making**", Alexandria University (29-30/5/2017).
 26. Faculty & Leadership Development Center (FLDC) training matrix to qualify Leaders: "**Executive Leadership Skills Development**", Alexandria University (3-4/6/2017).
 27. Faculty & Leadership Development Center (FLDC) training matrix to qualify Leaders: "**University Financial Aspects**", Alexandria University (14-15/6/2017).
 28. Faculty & Leadership Development Center (FLDC) training matrix to qualify Leaders: "**University Laws and Regulations**", Alexandria University (26-17/7/2017).
 29. Workshop organized by the National Authority of Quality Assurance and Accreditation of Education (NAQAAE) in collaboration with Agence Universitaire de la Francophonie (AUF), entitled: "**Application of Pharmacy NARS: from Content to Competency-based Curricula**", Cairo (18-19/12/2017).
 30. Course organized by the European Association of Faculties of Pharmacy (EAFP) and The Consortium on Quality Assurance in European Education and Training (PharQA), entitled: "**Development of Competency-based Pharmacy Education**", Utrecht University, Utrecht, The Netherlands (23-27/7/2018).
 31. Second European Faculty Development Workshop organized by the Accreditation Council for Pharmacy Education in the USA, International Services (ACPE), the American Association of Colleges of Pharmacy (AACP) & the European Association of Faculties of Pharmacy (EAFP), entitled: "**Engaging in new Methods of Teaching and assessment in Pharmacy Education**", Dubrovnik, Croatia (16-18/11/2018).
 32. Workshop organized by the British Council, entitled "**Global Developments in Higher Education: Benchmarking Your University**", Alexandria University, Alexandria, Egypt (5/12/2018).
 33. Workshop organized by the Higher Education Reform Experts (HEREs) and the National Erasmus+ Office – Egypt (NEO- Egypt) entitled: "**Student-Centered Learning (SCL) in Practice**", Cairo (27-28/2/2019).
 34. On-line Training Course organized by the Faculty & Leadership Development Center, Arab Academy for Science, Technology & Maritime Transport (AASTMT) entitled: "**Use of Technology in Education**" (3-4/5/2020).
 35. On-line Webinar organized by the Center for Learning Innovation & Customized Knowledge Solutions (CLICKS) in collaboration with the Arab Academy for Science, Technology & Maritime Transport (AASTMT) entitled: "**Designing for On-line Learning**" (20/9/2020).
 36. On-line Webinar organized by the Center for Learning Innovation & Customized Knowledge Solutions (CLICKS) in collaboration with the Arab Academy for Science, Technology & Maritime Transport (AASTMT) entitled: "**Re-Thinking Student Assessment in Online Learning**" (21/9/2020).

37. On-line Workshop Series organized by the Accreditation Council for Pharmacy Education (ACPE) International Service Program (ISP) entitled: “**Curricular Assessment in a Changing Academic Environment**” (20, 27/10/2021 & 3/11/2021).
38. FIP Digital Event entitled: “**Mental health and resilience in higher education: Cultivating and sustaining wellbeing of the academics**” (24/1/2022).

EXTRACURRICULAR LECTURES DELIVERED

1. Lecture entitled “**Female Sex Hormones**”; Syndicate of Pharmacists in Alexandria, Project for general education of female pharmacists (11/8/2005).
2. Lecture entitled: “**Tobacco Smoking Health Hazards**”; Effat College, Jeddah, Kingdom of Saudi Arabia (14/12/2008).
3. Lecture entitled: “**Academic Advising, from Knowledge to Practice**; Important tips for a fruitful student–advisor interaction”; Beirut Arab University (BAU) (4/11/2014).
4. Lecture entitled: “**Review on NSAIDs and their Cardiovascular Risks**; APU (Arab Pharmacist Union) – BAU Congress “Appropriate Use of Medication: A guarantee for a safe society”; Beirut Arab University (BAU), Beirut, Lebanon (5-6/6/2015).

MEMBERSHIPS

1. Membership of the Scientific Committee in **PHARCO** Pharmaceutical Company (January 2004 – August 2011).
2. Membership of the Scientific Committee of the **Pharmaceutical Arab Board, Arab Pharmacists Union** (February 2019 to date).
3. **FIP Institutional Membership**, AASTMT (January 2021 – to date).

RESEARCH INTEREST

Factors involved in the control of blood pressure and renal function as well as the mechanisms underlying the cardiovascular and nephrotoxic adverse effects of drugs.

PUBLICATIONS

I- Articles:

1. El-Mallah A.I., Sharabi F.M., **Omar A.G.** and El-Mas M.M. (1995): Prazosin-induced blockade of extraneuronal uptake facilitates dopaminergic modulation of muscle twitches in rat vas deferens. **J. Pharm. Pharmacol.**, 47: 932-936.
2. El-Mas M.M., El-Mallah A.I., **Omar A.G.** and Sharabi F.M. (1999): Dopamine modulates peripheral purinergic neurotransmission through multiple presynaptic receptors: Tissue-dependent effects. **Pharmacological Research**, 39: 11-19.
3. El-Mas M.M., Afify E.A., Mohy El-Din M.M., **Omar A.G.** and Sharabi F.M. (2001): Testosterone facilitates the baroreceptor control of reflex bradycardia: role of cardiac sympathetic and parasympathetic components. **J. Cardiovas. Pharmacol.**, 38: 754-763.
4. El-Mas M.M., Afify E.A., **Omar A.G.** and Sharabi F.M. (2002): Cyclosporine attenuates the autonomic modulation of reflex chronotropic responses in conscious rats. **Can. J. Physiol. Pharmacol.**, 80: 766-776

5. El-Mas M.M., Afify E.A., **Omar A.G.** and Sharabi F.M. (2002): Cyclosporine adversely affects baroreflexes via inhibition of testosterone modulation of cardiac vagal control. **J. Pharmacol. Exp. Ther.**, 301: 346-354.
6. El-Mas M.M., Afify E.A., **Omar A.G.**, Mohy El-Din M.M. and Sharabi F.M. (2003): Testosterone depletion contributes to cyclosporine-induced chronic impairment of acetylcholine renovascular relaxations. **Eur. J. Pharmacol.**, 468: 217-224.
7. **Omar A.G.** and El-Mas M.M. (2004): Time-domain evaluation of cyclosporine interaction with hemodynamic variability in rats. **Cardiovasc. Drugs Ther.**, 18: 461-468.
8. El-Ashmawy I.M., **Omar A.G.** and Omar A.M. (2005): Effect of some essential oils (Urinex, Bilichol) on blood glucose levels in rats. **Alex. J. Pharm. Sci.**, 19: 41-45.
9. Okda A.A., **Omar A.G.** and Omar A.M. (2005): Evening Primrose: A cure-all medicine. **Alex. J. Pharm. Sci.**, 19: 85-96.
10. **Omar, A.G.**, Sharabi F.M., Daabees, T.T., El-Mallah A.I. and El-Yazbi, A.F. (2005): Comparative functional antagonistic potencies of tamsulosin and terazosin at α_1 -adrenoceptors in-vitro. **J. Egypt. Soc. Pharmacol. Exp. Ther.**, 26:569-588.
11. **Omar A.G.**, Afify E.A., Mohy El-Din M., Sharabi F.M. and Abd El-Kader M. (2006): Renal functional & histomorphological evaluation of cyclosporin A-verapamil interaction in male rats. **Bull. Alex. Fac. Med.**, 42: 701-708.
12. **Omar A.G.** (2007): Influence of short-term simvastatin treatment on myoglobinuric acute renal failure in rats. **J. Egypt. Soc. Pharmacol. Exp. Ther.**, 28:1-17.
13. Abdel Galil A.A., El-Sawy M.A., Saad E.I., **Omar A.G.** and Helmy M.M. (2007): Simvastatin reverses cyclosporin A-induced endothelial damage in rats: lipid-lowering-dependent and -independent effects. **Bull. Alex. Fac. Med.**, 43: 135-144.
14. Abdel Galil A.A., El-Sawy M.A., Saad E.I., **Omar A.G.**, El-Deeb N.M. and Helmy M.M. (2007): α -Tocopherol enhances vascular antioxidant status and preserves vascular integrity in Cyclosporin A-treated rats. **Alex. J. Pharm. Sci.**, 21:145-152.
15. El-Mas M.M., **Omar A.G.**, Helmy M.M. and Mohy El-Din M.M. (2009): Interruption of central neuronal pathway of imidazoline I1 receptor mediates the hypertensive effect of cyclosporine in rats. **Brain Research**, 1248: 96 – 106.
16. El-Mas M.M., **Omar A.G.**, Helmy M.M. and Mohy El-Din M.M. (2012): Crosstalk between central pathways of nitric oxide and carbon monoxide in the hypertensive action of cyclosporine. **Neuropharmacology**, 62: 1890-1896.
17. El-Mas M.M., Mohy El-Din M.M., Helmy M.M. and **Omar A.G.** (2012): Redox imbalances incite the hypertensive, baroreflex, and autonomic effects of cyclosporine in rats. **European Journal of Pharmacology**, 694: 82-88.
18. Afify E.A., Khedr M.M., **Omar A.G.** and Nasser S.A. (2013): The involvement of K_{ATP} channels in morphine-induced antinociception and hepatic oxidative stress in acute and inflammatory pain in rats. **Fundamental & Clinical Pharmacology**, 27: 623-631.
19. Senbel, A.M., AbdelMoneim, L.M. and **Omar A.G.** (2014): Celecoxib modulates nitric oxide and reactive oxygen species in kidney ischemia/reperfusion injury and in rat aorta model of hypoxia/reoxygenation. **Vascular Pharmacology**, 62: 24-31.
20. Hanan Nouredine, Nancy Nakhoul, **Amal Galal**, Lama Soubra and Mounzer Saleh (2014): Level of A1C control and its predictors among Lebanese Type2 Diabetic Patients. **Ther. Adv. Endocrinol. Metab.**, 5: 43-52.
21. Senbel, A.M., **Omar A.G.**, AbdelMoneim, L.M., Mohamed H.F. and Daabees T.T. (2014): Evaluation of L-arginine on kidney function and vascular reactivity following ischemic injury in rats: protective effects and potential interactions. **Pharmacological Reports**, 66: 976-983.

22. Raafat, K. M. & **Omar A.G.** (2015): Phytotherapeutic activity of curcumol: Isolation, GC–MS identification, and assessing potentials against acute and subchronic hyperglycemia, tactile allodynia, and hyperalgesia. **Pharmaceutical Biology**, 54(8): 1334-44.
23. Hammoud, S.H., **Omar, A.G.**, Eid, A.A. and El-Mas, M.M. (2017): CYP4A/CYP2C modulation of the interaction of calcium channel blockers with cyclosporine on EDHF-mediated renal vasodilatations in rats. **Toxicology and Applied Pharmacology**, 334: 110-119.
24. Hammoud S.H., Alkhansa S., Mahjoub N., **Omar A.G.**, El-Mas M.M., Eid A.A. (2018): Molecular basis of the counteraction by calcium channel blockers of cyclosporine nephrotoxicity. **American Journal of Physiology, Renal Physiology**, 315(3): F572-F582.

II- Abstracts:

1. Sharabi F.M., El-Mallah A.I., **Omar A.G.** and El-Mas M.M. (1996): Dopamine modulates neurotransmission at periphery through multiple presynaptic receptors: Tissue-dependent effects. *FASEB J.* 10(3): Abstract# 2467, pp. A 427.
2. El-Mas M.M., Afify E.A., **Omar A.G.**, Mohy El-Din M.M. and Sharabi F.M. (2003): Dopamine modulates neurotransmission at periphery through multiple presynaptic receptors: Tissue-dependent effects. *FASEB J.* 17(5): Abstract# 386.8, pp. A 617.
3. **Omar, A.G.**, Sharabi F.M., Daabees, T.T., El-Mallah A.I. and El-Yazbi, A.F. (2005): comparative functional antagonistic potencies of tamsulosin and terazosin at α_1 -adrenoceptors in-vitro. 47th Annual Conference of the Egyptian Society of Pharmacology & Experimental Therapeutics, Helwan, Egypt, Abstract# P20, pp. 28.
4. **Omar, A.G.**, Afify E.A., Mohy El-Din M.M., Sharabi F.M. and Abd El-Kader M. (2006): Renal functional & histomorphological Evaluation of cyclosporin A-verapamil interaction in male rats. *Biovision Alexandria 2006*, Abstract# P380, pp 32.
5. El-Mas M.M., **Omar A.G.**, Helmy M.M. and Mohy El-Din M.M (2008): Nitric oxide modulation of central imidazoline I₁ receptors accounts for the hypertensive effect of cyclosporine in rats. *FASEB J.*, 22:1129.9.
6. Khedr M.M., Afify E.A., **Omar A.G.** and Nasser S.A. (2010): Differential role of K_{ATP} Channel modulators on morphine-induced antinociception and oxidative stress in rats. *Recent Advances in Pharmaceutical Research and Technology*, Beirut Arab University (BAU), Beirut, Lebanon, pp39.
7. El-Mas M.M., **Omar A.G.**, Helmy M.M. and Mohy El-Din M.M. (2010): Amelioration by Tempol of the hypertensive and baroreflex depressant effects of cyclosporine in conscious rats: role of cardiac autonomic control. *FASEB J.*, 24:961.5.
8. El-Mas M.M., **Omar A.G.**, Helmy M.M. and Mohy El-Din M.M. (2010): Modulation of cyclosporine-induced hypertension by central endothelial and neuronal nitric oxide synthases. *FASEB J.*, 24:959.10.
9. Raafat K. & **Omar A.** (2014): Curcumol "a Bioactive Natural Product of Curcuma Longa L. Ameliorates Hyperglycemia and attenuates Thermal Hyperalgesia in a diabetic Mouse Model. 20th LAAS International Scientific Conference – New Frontiers in Science, Lebanese University, Hadath, Beirut, Lebanon; pp26.
10. Hammoud S.H., Eid A.A., **Omar A.G.**, El-Mas M.M. (2017): Molecular Mechanisms of the Protective Effects of Calcium Channel Blockers against Cyclosporine Nephrotoxicity in Rats *FASEB J.*, 31:998.7

11. Hammoud S.H., **Omar A.G.**, Eid A.A., El-Mas M.M. (2017): CYP4A/CYP2C Modulation of the Interaction of Calcium Channel Blockers with Cyclosporine on EDHF-Mediated Renal Vasodilations in Rats. *FASEB J.*, 31:998.6

III- Books:

1. **Omar A.G.** (2014): *Biochemistry for Pharmacy Students*, First Edition, Beirut, Lebanon; **ISBN** 978-9953-0-2846-0.