

CURRICULUM VITAE

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EDUCATION

- 2015: Pharm.D. Professional Doctor of Pharmacy Degree, Department of Pharmacology and Therapeutics, Faculty of Pharmacy (CCAPP-accredited), Beirut Arab University (BAU; FIBAA- accredited), Beirut, Lebanon. Thesis Title: "Angiotensin-Based Pharmacotherapy for Isolated Systolic Hypertension: A Meta-Analysis of Randomized Controlled Trials".
- 2013-2015: Advanced Professional Pharmacy Practice courses in the Doctor of Pharmacy Program at Beirut General University Hospital, Beirut Community Pharmacy, Advanced Clinical Pharmacokinetics, and Pharmacotherapeutics courses.
- 2006: Ph.D. Pharmacology and Toxicology, Faculty of Pharmacy, Ain Shams University, Cairo, Egypt. Dissertation Title: "Modulatory Effects of Natural Product(s) Against Ethanol-Induced Hepatocyte Death".
- 2002/2003: Ph.D. Postgraduate Studies, Department of Pharmacology, Faculty of Medicine, Université de Montréal, Montréal, Québec, Canada.
- 2002: M.Sc. Pharmacology and Toxicology, Faculty of Pharmacy, Ain Shams University, Cairo, Egypt. Thesis Title: "Pharmacological Study on the Neuroprotective Effects of Curcumin against Ischemia/Reperfusion Insult in Rat Forebrain".
- 1997: B.Sc. Pharmaceutical Sciences (Distinction Honor), Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt.
- 1977-1992: High School, Collège Saint-Marc (Alliance Française: Très Bien).

OCCUPATIONAL BACKGROUND

- 1-2/2021: Acting-Dean / Vice-Dean, Faculty of Pharmacy, Damanhour University, Damanhour, Egypt.
- 2/2021-Present: Ranking Team Representative (CEO), Damanhour University (Advanced positions in last **Scimago** ranking powered by Scopus; <http://www.damanhour.edu.eg/En/pages/news.aspx?id=14390>; <https://www.scimagoir.com/rankings.php?sector=Higher+educ.&country=EGY>). First time inclusion of Damanhour University in (THE) **Times Higher Education** University Rankings in the *inaugural 2021 Times Higher Education Arab University Rankings* announced on 27 July 2021 (<https://www.timeshighereducation.com/world-university-rankings/damanhour-university>).

- 2019-Present: Professor, Department of Pharmacology and Toxicology, Faculty of Pharmacy, Damanhour University, Damanhour, Egypt.
- 2015-Present: Vice-Dean for Community Service and Environmental Development, Faculty of Pharmacy, Damanhour University, Damanhour, Egypt.
- 2015-2019: Associate Professor, Department of Pharmacology and Toxicology, Faculty of Pharmacy, Damanhour University, Damanhour, Egypt.
 - Acting-Head of the Department of Pharmacology and Toxicology (2015-2018).
 - Supervisor of the Department of Clinical Pharmacy and Pharmacy Practice (2015/2016).
- 2012-2015: Associate Professor, Department of Pharmacology and Therapeutics, Faculty of Pharmacy, Beirut Arab University (BAU), Beirut, Lebanon.
 - Teaching pharmacology, pharmacotherapeutics, and pharmacy practice courses.
 - Teaching pharmacology courses at Faculties of Dentistry and Health Sciences, BAU.
- 2010-2012: Lecturer, Department of Pharmacology and Toxicology, Faculty of Pharmacy, Damanhour University (formerly Alexandria University, Damanhour Branch), Damanhour, Egypt.
- 2006-2010: Lecturer, Department of Pharmacology and Toxicology, Faculty of Pharmacy, Ain Shams University, Cairo, Egypt.
 - Teaching undergraduate and postgraduate basic and clinical pharmacology and toxicology, physiology, medical terminology, drug and poison information, as well as, clinical pharmacy courses.
- 2002-2003: Research assistant, Département de Pharmacologie, Faculté de médecine, Université de Montréal, Montréal, Québec, Canada.
- 1998-2006: Demonstrator then Assistant Lecturer, Department of Pharmacology and Toxicology, Faculty of Pharmacy, Ain Shams University, Cairo, Egypt.
 - Assisted in teaching and supervising practical laboratory sessions in many biomedical sciences curricula including medical terminology, physiology, basic and clinical pharmacology and toxicology, bioassay and biostatistics.
- 1997-1998: Community Pharmacist, Oxford Pharmacy, Alexandria, Egypt.

EDUCATIONAL CONTRIBUTION

- Adjunct Faculty Member at the Faculty of Pharmacy, Arab Academy for Science, Technology and Maritime Transport in Alexandria. Teaching “Advanced Pharmacotherapeutics for Oncology” course in 2021 as blended learning using MOODLE platform.
- Membership of the Damanhour University E-Learning Center since 2021-Present.
- Visiting Professor at the Faculty of Pharmacy, BAU, Lebanon. Teaching “Pharmacotherapeutics” courses in 2016.
- Adjunct Faculty Member at the Faculty of Pharmacy, Pharos University in Alexandria. Teaching “Pharmacotherapeutics” courses in 2015.
- Membership of the BAU Faculty of Pharmacy Curriculum Committee and Strategy Committee during the *Accreditation visit from Canadian Council for Accreditation of Pharmacy Programs (CCAPP) 15,16 October, 2014*, earning Conditional International Accreditation Status 2015-2017 till Full Accreditation in 2018 for the Bachelor of Pharmacy program. Available from: <http://ccapp-accredit.ca/international-programs/list-of-international-programs/>. This historical achievement is the culmination of great efforts that were initiated in the year 2011 in the Faculty, under the leadership of Prof. Abdalla El-Lakany, Dean of the Faculty, to reform its undergraduate curriculum to meet international standards of Pharmacy education and to address the changing needs of the

profession. The Faculty of Pharmacy at BAU is the first and only, in Lebanon and the region, to have its undergraduate program being accredited by an international authority. International Accreditation status is the highest level of recognition that CCAPP can award to a pharmacy program running abroad (<https://www.bau.edu.lb/Pharmacy/Accreditation>).

- Awarded the "Certificate of Competency in Medical Education", by the Faculty of Medicine, Beirut Arab University, December 2014.
- Teaching PostGrad “ImmunoPharmacology, ImmunoToxicology, and PharmacoGenomics” at the Faculty of Pharmacy, Damanhour University since 2015-Present.
- Teaching “Toxicology, Forensic chemistry and First-aid” at the Faculty of Pharmacy, Alexandria University in 2010/2011.
- Adjunct Faculty Member at the Faculty of Pharmacy, Misr International University. Teaching “Clinical Pharmacy” and “Drug Interactions and Drug Information” courses (2006-2010).
- Teaching “Drug interactions” in the Clinical Pharmacy Diploma 2006/2007 at the Faculty of Pharmacy, Ain Shams University.
- Teaching “Drug information and poison control” in the summer training courses “The role of clinical pharmacy in total pharmaceutical care” at the Faculty of Pharmacy, Ain Shams University, Egypt.
- Course coordinator for pharmacotherapeutics, professional pharmacy practice, physiology, drug and poison information, basic and clinical pharmacology and toxicology courses.
- Membership of the Ain Shams University Faculty of Pharmacy Education and Student Affairs’ and Cultural Relations’ Committees (2006-2010).

COMMUNITY SERVICE

- 2015-Present: Vice-Dean for Community Service and Environmental Development, Faculty of Pharmacy, Damanhour University, Damanhour, Egypt.
 - Acting on the development of the professional degrees that better serve the needs of community.
 - Organizing the different Faculty activities that aim to develop the surrounding environment.
 - Focusing on the applied scientific research that solves the problems of the community.
- General Supervisor of the Summer Professional Training Program (2016-Present), Faculty of Pharmacy, Damanhour University.
- Ethical Committee (Founding Head; 2016-Present), Faculty of Pharmacy, Damanhour University.
 - Teaching the “Ethics in Scientific Research” courses since the launching in 2015 of the Postgraduate Studies at the Faculty of Pharmacy, Damanhour University.
- Alumni Unit (Head; 2020-Present), Faculty of Pharmacy, Damanhour University.
- Strategic Planning Committee (Member; 2021-Present), Faculty of Pharmacy, Damanhour University.
- Safety and Professional Health Committee (Member), Faculty of Pharmacy, Damanhour University.
- Disasters Committee (Member), Faculty of Pharmacy, Damanhour University.
- Scientific Expert Reviewer at the Agence Universitaire de la Francophonie since 2019.
- Membership of the Damanhour University Technology Innovation Commercialization Office since 2018-Present.
- Representative of the Damanhour University Technology Innovation & Support Center since 2018-Present.

- Preparation and adaptation of the **first draft of Intellectual Property Policy for Damanhour University** in March 2019 as submitted to the ASRT within the framework of the WIPO project at the level of universities and research centers in Egypt, and presented as poster and brochure at the Global Forum for Higher Education and Scientific Research between the present and the future, 4-6 April 2019, Cairo, Egypt.
- Website Development Committee (Head; 2016), Faculty of Pharmacy, Damanhour University.
- International Relations Committee (Member), Faculty of Pharmacy, Damanhour University.
- Teaching “Pharmacology” course at the Health Institute of Armed Forces, Hosh Issa, Egypt, since 2017-Present.
- Lecturer in Continuing Pharmaceutical Education to Pharmacy Graduates (Ministry of Health Training) at the Behera Pharmacists Syndicate and Damanhour Oncology Center, since 2011-Present.
- Awareness Lectures to school students (Sidi-Gaber, Alexandria) about health and environment.
- Membership of the Egyptian Pharmacists Syndicate since 1997.
- General supervisor of the Ain Shams University regiment at the Educational session of the Institute for Leadership Development, Al-Arish, 8-13 August 2008.
- Scientific counselor for the Egyptian pharmaceutical company “Professional Active Pharma” in 2011.
- Membership of the Strategic Plan Quality Committee for Community and Environmental (including the Disasters Committee) at the Faculty of Pharmacy, Ain Shams University (2006-2010).

TRAINING PROGRAMS

- Successful completion of several Egyptian Faculty and Leadership Development Center (FLDC) courses in the following topics:
 - Effective Teaching (6-9/5/2006) / Recent Trends in Teaching (13-15/5/2006)
 - Life-long Learning (16-17/5/2006) / Thinking Skills (23-25/5/2006)
 - Research Writing and Publication (19-21/6/2007) / Credit hours (21-23/6/2008)
 - Research Projects (13-15/12/2008) / Quality Standards in Education (14-16/4/2009)
 - Using Technology in Teaching (22-24/5/2010) / Ethics in Scientific Research (17-19/5/2011)
 - Strategic Planning (22-23/6/2016) / Law and Finance in University Work (20-21/7/2016)
 - University Administration (16-17/8/2017) / Communication skills (12-13/9/2018)
 - Scientific Research Methodologies (17-18/9/2018)
 - Accreditation of an Academic Program (19-20/9/2018)
- Successful completion and Participation in workshops and online training courses on **intellectual property rights** principles (Grade A: Excellent; 94%), **IP policies and management** –advanced course- (Grade A: Excellent; 85%), and drug patents; for the development of Technology and Innovation Support Centers (**TISCs**) in Egypt as organized by the Academy of Scientific Research and Technology (ASRT) and the World Intellectual Property Organization (WIPO), since 2018.
- Attendance of the Workshop on "Development of Competency-based Pharmacy Education", moderated by Dr. Andries S. Koster, PHS 2019 International Conference on “Pharmaceutical and Healthcare Sciences”, Alexandria, Egypt, 6-7 November 2019. Available from: <https://phs-eg.com/presentations-2019/>.
- Successful completion and Participation in workshop on e-learning for blended teaching of electronic courses using Moodle software moderated by Prof. Mohamed Waly, at Damanhour University, in August 2018.
- Successful completion of the requirements for the professional course on "Safety and Professional Health Committee Members” awarded by the Institute of Safety and Professional Health, Ministry of Working Forces, Egypt, March 2018.

- Attendance of the Workshop on "Ethical Standards for Animal use in Biomedical Research", moderated by Prof. Sohair Fahmy & Prof. Khadiga Gaafar, Institutional Animal Care and Use Committee (IACUC), Cairo University, December 2017.
- Successful completion of the requirements for the "Certificate of Competency in Medical Education", moderated by Prof. Hossam Hamdy, and awarded by the Faculty of Medicine, Beirut Arab University.
- Attendance of several Workshops on "Competency in Health Profession Education", moderated by Prof. Hossam Hamdy, Faculty of Medicine, Beirut Arab University, December 2014.
- Attendance of 14 CME Credits in the "Academic Staff Development Program", Medical Sector, Beirut Arab University, 2013-2014.
- Successful completion of the requirements for the Accreditation Council on Pharmacy Education (ACPE) 3.5 Credit Hours activity entitled "Patient Counseling in Pharmacy Practice", South Carolina College of Pharmacy in collaboration with Misr International University, moderated by Prof. Joseph DiPiro, February 2010.
- Attendance of a Workshop on "Pharmacy Education: A Vision for the Future", South Carolina College of Pharmacy in collaboration with Misr International University, May 2008.
- Attendance of a Workshop on "Optimizing Pharmaceutical Care & Future Roles of Pharmacists", South Carolina College of Pharmacy in collaboration with Misr International University, February 2007.
- Attendance of a Workshop on "Polymerase Chain Reaction applications & Gene Sequencing", Mubarak City for Scientific Research and Technology Applications, Alexandria, August 2004.
- Successful completion of the course "Formation de base en radioprotection et manipulation de radio-isotopes en laboratoire", Section santé et sécurité au travail, Université de Montréal, Canada, May 2002.

RESEARCH ACTIVITIES

- Research Ethics Committee (Founding Head 2016-Present), Faculty of Pharmacy, Damanhour University.
- Labs Committee (Member), Faculty of Pharmacy, Damanhour University.
- Visiting scientist in the 2011 scientific mission at the German Cancer Research Center (Deutsches Krebsforschungszentrum - DKFZ), Division of Functional Genome Analysis, Heidelberg, Germany, where listed in the Alumni List available at: http://www.dkfz.de/funct_genome/alumni.html. (*cell culture techniques to investigate selective Genotoxicity against different cancer and normal cell lines*)
- Nominated scientist in 2009 of the Ain Shams University for the DFG (German Research Foundation) and the Academy of Scientific Research and Technology agreement of scientific cooperation. (a competitive research grant for a project entitled: Pharmacogenomic Screening of Anti-Apoptotic Hepatoprotectants).
- Supervision of several in-progress and approved M.Sc. and Ph.D. Theses.
- Winning the Ain Shams University Award of International Publication at the University's 59th Celebration of Science, 26 March 2009.
- Winning the Egyptian Pharmacists Syndicate Award for PhD holders in 2006.
- Membership of the Faculty of Pharmacy, Ain Shams University Committee for the 2008 Research Project on the Treatment of the Hepatitis C Virus (HCV).
- Acknowledged contribution to the "First Conference on Research for Development: Towards a Strategy for Application" organized by Ain Shams University in March 2007.
- Reviewer of several international scientific journals: *Naunyn-Schmiedeberg's Archives of Pharmacology*, *Cell Proliferation in basic and clinical sciences*, *Journal of Traditional and Complementary Medicine*, *BAU Journal - Health and Wellbeing*.

RESEARCH INTERESTS

- Investigation of the potential effects of natural agents on hepatocyte death in vitro and in vivo (Pharmacological manipulation of liver cell death).
- Investigation of the potential selective cytotoxic effects of natural and synthetic chemicals on different cancer cell lines.
- Investigation of the potential anti-inflammatory effects of natural and synthetic agents (InflammoPharmacology).
- Investigation of the potential drugs to treat CNS diseases including Alzheimer's and stroke.
- Pharmacotherapy Meta-analysis.
- Pharmacotherapy active learning approaches.
- Community Pharmacy needs and surveys.

Main Field: Pharmacy & Pharmacology**Specialization: Pharmacology & Toxicology**

Keywords: Neuroprotection – Isolated Hepatocytes - Hepatoprotection - InflammoPharmacology - Cytotoxicity – Cancer cell lines Signaling - Molecular Pharmacology - Pharmacogenetics - Pharmacotherapy - Meta-analysis - Active Learning - Community surveys

Conferences:

- Anti-Arthritic Activity of Systemic Bee Venom through Multiple Mechanism. Doaa M. El-Tedawy; Mohammad M Abd-Alhaseeb; Maged W. Helmy; Asser I. Ghoneim. PHS 2019 International Conference on “Pharmaceutical and Healthcare Sciences”, Alexandria, Egypt, 6-7 November 2019. Available from: <https://phs-eg.com/topics/>.
- Beyond PI3K-mTOR Inhibition: Autophagy a Novel Pathway for Synergistic Effect of Diosmin on the Anti-cancer Effect of BEZ-235 (Dactolisib) In Colorectal Carcinoma. Maged. W. Helmy, Asser I. Ghoneim, Mohamed A. Katary, Rana K. Elmahdy. PHS 2019 International Conference on “Pharmaceutical and Healthcare Sciences”, Alexandria, Egypt, 6-7 November 2019. Available from: <https://phs-eg.com/topics/>.
- Evaluation of anti-inflammatory and analgesic activities of some newly synthesized pyrazole derivatives. Souraya Domiati, Ahmed El-Mallah, Asser Ghoneim, Adnan Bekhit, Heba Abd El Razik. *International Pharmacy Conference*, July 14-15, 2016, Philadelphia, USA. *J Pharm Drug Deliv Res* 2016, 5:5(Suppl);55. Available from: <http://dx.doi.org/10.4172/2325-9604.C1.006>.
- Angiotensin-Based Pharmacotherapy for Isolated Systolic Hypertension: A Meta-Analysis of Randomized Controlled Trials. Ghoneim AI, El-Mallah AI, El-Lakany AM. **First PUA International Conference on “Advances in Pharmaceutical Sciences”**, Faculty of Pharmacy and Drug Manufacturing, Pharos University in Alexandria, Egypt, 27-29 October 2015. (Research Oral Presentation PT-O-76. p. 147-8) Available from: <http://www.pua.edu.eg/ICAPS>.
- Evaluation of anti-inflammatory and analgesic activities of some newly synthesized pyrazole derivatives. Souraya Domiati, Ahmed El-Mallah, Asser Ghoneim, Adnan Bekhit, Heba Abd El Razik. *The Lebanese Order of Pharmacists' 23rd Conference*, October 16-18, 2015 [Abstract: P-08], Lebanon.
- Synthesis of some new amide-linked bipyrazoles and their evaluation as anti-inflammatory, analgesic and antimicrobial agents. Ashour HM, Elbayaa RY, Ragab HM, Ghoneim AI, Mroueh M, Faour W, Ramadan R. *3rd International Conference of Organic Chemistry (ICOC-2014)* "Organic Synthesis - Driving Force of Life Development" [Abstr: PP 63]: 235-236. September 25-28, 2014, Tbilisi, Georgia. Available from: www.chemistry.ge/conferences/icoc-2014.
- Preparation, Characterization and In Vivo Evaluation of Novel Nano- sildenafil Formulæ as Potential Wound Healing Promoters. Nazik Elgindy, Wael Samy, Asser Ghoneim. *Proceedings of the 5th International Conference on Nanotechnology: Fundamentals and Applications*, Paper No. 16, August 11-13, 2014, Prague, Czech Republic. Available from: http://avestia.com/ICNFA2014_Proceedings/papers/16.pdf.
- *Salvia libanotica fruticosa*, as an Important Antioxidant and Anti-inflammatory Herb Indigenous to Lebanon. Boukhary R, Raafat K, Ghoneim A, Aboul-EIA M, El-Lakany A. *20th LAAS International Science Conference* [Abstr]: 516-17; March 27th-29th (2014), Lebanese university, Hadath, Lebanon. Available at: <http://www.biotech.ul.edu.lb/laas20/program.html>.

SELECTED PUBLICATIONS (Citations: 512; h-index: 11)

- Combinatorial antitumor effects of amino acids and epigenetic modulations in hepatocellular carcinoma cell lines. Hassan, Y.A., Helmy, M.W. & Ghoneim, A.I. *Naunyn-Schmiedeberg's Arch Pharmacol.* Epub 2021 Aug 20. Available at: <https://doi.org/10.1007/s00210-021-02140-z>.
- Transforming iodoquinol into broad spectrum anti-tumor leads: Repurposing to modulate redox homeostasis. Chaaban I, Hafez H, AlZaim I, Tannous C, Ragab H, Hazzaa A, Ketat S, Ghoneim A, Katary M, Abd-Alhaseeb MM, Zouein FA, Albohy A, Amer AN, El-Yazbi AF, Belal ASF. *Bioorg Chem.* 2021 May 31;113:105035. Available at: <https://doi.org/10.1016/j.bioorg.2021.105035>.
- Plausible Pharmacological Interpretation of Hydroxychloroquine Ineffectiveness for Treatment of COVID-19 in Hospitalized Patients. Khalifa AE, Ghoneim AI. *Arch Phar & Pharmacol Res.* 2(5): 2021. APPR.MS.ID.000549. Available at: <https://irispublishers.com/appr/pdf/APPR.MS.ID.000549.pdf>.
- Ongoing COVID-19 Clinical Trials: A Pharmacological Perspective on Pneumonia. Khalifa AE, Ghoneim AI. *Curr Tr Clin & Med Sci.* 2(2): 2020. CTCMS.MS.ID.000533. Available at: <https://irispublishers.com/ctcms/pdf/CTCMS.MS.ID.000533.pdf>.
- Systemic bee venom exerts anti-arthritic and anti-inflammatory properties in a rat model of arthritis. El-tedawy DM, Abd-alhaseeb MM, Helmy MW, Ghoneim AI. *Biomed. Rep.* 13(4):1-9,20. Epub 2020 Jul 9. Available at: <https://doi.org/10.3892/br.2020.1327>.
- **Patent Submission** of "A Novel Drug to Treat Breast Cancer" to the Egyptian Patent Office of the Academy of Scientific Research and Technology. EGPO **Registration No. 851/2020** on Jun 16, 2020. Available at: <http://www.egypt.gov.eg/>.
- Community Pharmacists Behaviour During Covid-19. El Bassiouny N, Kassem A, Ghoneim AI. Registered in *clinicaltrials.gov* on May 2, 2020. Available at: <https://clinicaltrials.gov/ct2/show/NCT04374513>.
- The synergistic anti-proliferative effect of the combination of diosmin and BEZ-235 (dactolisib) on the HCT-116 colorectal cancer cell line occurs through inhibition of the PI3K/Akt/mTOR/NF-κB axis. Helmy MW, Ghoneim AI, Katary MA, Elmahdy RK. *Mol Biol Rep.* 2020 Mar;47(3):2217-2230. Epub 2020 Feb 22. Available at: <https://doi.org/10.1007/s11033-020-05327-4>.
- Protective effects of Astragalus kahiricus root extract on ethanol-induced retrograde memory impairments in mice. Abdelaziz BM, Helmy MW, Katary MA, Abd-Alhaseeb MM, Ghoneim AI. *J Herbm Pharm.* 2019;8(4):295-301. Available at: <https://doi.org/10.15171/jhp.2019.43>. (Scopus-Indexed)
- Synergistic antiproliferative effects of curcumin and celecoxib in hepatocellular carcinoma HepG2 cells. Abdallah FM, Helmy MW, Katary MA, Ghoneim AI. *Naunyn-Schmiedeberg's Archives of Pharmacology.* 2018 Dec;391(12):1399-1410. Epub 2018 Aug 28. Available at: <https://doi.org/10.1007/s00210-018-1557-6>. (The first postgraduate research from our Department is published in the oldest existing pharmacology journal in the world, where many fundamental findings in the discipline have primarily been published).
- Student perceptions of a modified flipped classroom model for accreditation in a pharmacotherapeutics course. Ghoneim A, El-Lakany A. *Journal of Applied Pharmaceutical Science.* 2017 Nov; 7 (11), 15-20. Available at: <http://dx.doi.org/10.7324/JAPS.2017.71103>. (An active learning development report to better prepare students serve drug community needs in an international accreditation experience) ©2017-2018 Scimago & Scopus® Impact Factor: 0.65 (<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85037038856&doi=10.7324%2fJAPS.2017.71103&partnerID=40&md5=0c52e00c4577f0806baf1c71dd53c576>).

- Efficacy and Safety of Angiotensin-Based Pharmacotherapy versus Conventional Therapy for the Management of Isolated Systolic Hypertension: A Meta-Analysis of Randomized Controlled Trials. Ghoneim AI, El-Mallah AI, El-Lakany AM. *International Journal of Clinical Pharmacology & Toxicology*. 2016 Oct; 5(7), 231-239. Available at: <http://dx.doi.org/10.19070/2167-910X-1600039>. (Meta-Analysis represents the top of the scientific evidence pyramid in original drug research studies).
- *Natural Agents against Liver Death*. Ghoneim A. LAP LAMBERT Academic Publishing: OmniScriptum GmbH & Co. KG; 2016. ISBN: 978-3659901539. Available at: <https://www.lap-publishing.com/catalog/details/store/gb/book/978-3-659-90153-9/natural-agents-against-liver-death>.
- Evaluation of anti-inflammatory, analgesic activities, and side effects of some pyrazole derivatives. Domiati S, El-Mallah A, Ghoneim A, Bekhit A, El Razik HA. *Inflammopharmacology*. 2016 Aug;24(4):163-72. Epub 2016 Jun 24. Available from: <http://link.springer.com/article/10.1007/s10787-016-0270-7>.
- Pharmacogenetics of Thiazide Diuretics: An Update on Inter-individual Variations. Hammoud S, Ghoneim A. *Springer Science Reviews*. June 2016, Volume 4, Issue 1, pp 15–23. Epub 2016 Feb 22. Available from: <http://link.springer.com/article/10.1007/s40362-016-0038-x>.
- Synthesis and biological evaluation of some tacrine analogs: study of the effect of the chloro substituent on the acetylcholinesterase inhibitory activity. HM Ragab, HMA Ashour, A Galal, AI Ghoneim, HR Haidar. *Monatshefte für Chemie - Chemical Monthly*. 2016 Mar;147(3):539-52. Epub 2016 Feb 1. Available from: <http://link.springer.com/article/10.1007/s00706-015-1641-2>.
- Anti-Inflammatory and Antioxidant Activities of Salvia fruticosa: An HPLC Determination of Phenolic Contents. Rima Boukhary, Karim Raafat, Asser I. Ghoneim, Maha Aboul-Ela, and Abdalla El-Lakany. *Evidence-based Complementary and Alternative Medicine*. Volume 2016 (2016), Article ID 7178105, 6 pages. Epub 2016 Jan 3. Available from: <http://dx.doi.org/10.1155/2016/7178105>.
- Synthesis of some new amide-linked bipyrazoles and their evaluation as anti-inflammatory and analgesic agents. Faour WH, Mroueh M, Daher CF, Elbayaa RY, Ragab HM, Ghoneim AI, El-Mallah AI, Ashour HM. *Journal of Enzyme Inhibition and Medicinal Chemistry*. 2016 Dec;31(6):1079-94. Epub 2015 Oct 20. Available from: <http://www.tandfonline.com/doi/abs/10.3109/14756366.2015.1094469>.
- Celecoxib for the Right Person at the Right Dose and Right Time: An Updated Overview. Domiati S, Ghoneim A. *Springer Science Reviews*. December 2015, Volume 3, Issue 2, pp 137-140. Epub 2015 Oct 6. Available from: <http://dx.doi.org/10.1007/s40362-015-0034-6>.
- Novel microstructured sildenafil dosage forms as wound healing promoters. Samy WM, Ghoneim AI, Elgindy NA. *Expert Opinion on Drug Delivery*. 2014 Oct;11(10):1525-36. Epub 2014 Jun 18. Available from: <http://dx.doi.org/10.1517/17425247.2014.929662>. (© 2018 Thomson Reuters Impact Factor: 5.55)
- Hepatoprotective effects of *Astragalus kahiricus* root extract against ethanol-induced liver apoptosis in rats. Allam RM, Selim DA, Ghoneim AI, Radwan MM, Nofal SM, Khalifa AE, Sharaf OA, Toaima SM, Asaad AM, El-Sebakhy NA. *Chin J Nat Med*. 2013 Jul;11(4):354-361. Available at: [http://dx.doi.org/10.1016/S1875-5364\(13\)60052-7](http://dx.doi.org/10.1016/S1875-5364(13)60052-7).
- Phytochemicals and Amino Acids: Inducers or Inhibitors of Cell Death? Ghoneim A. In: Diederich M and Noworyta K (eds.) *Natural Compounds as Inducers of Cell Death*. Volume 1, Part 1, pp. 3-32. Springer Netherlands, 2012. Print ISBN: 978-94-007-4574-2. Available at: http://dx.doi.org/10.1007/978-94-007-4575-9_1. (A tertiary source of drug information reviewing, at research level, experimental work using different cell culture techniques. This book is published by one of the largest scientific publishers worldwide).

- Anti-apoptotic effects of tamarind leaves against ethanol-induced rat liver injury. Ghoneim AI, Eldahshan OA. *J Pharm Pharmacol*. 2012 Mar;64(3):430-438. Epub 2011 Dec 8. Available at: <http://dx.doi.org/10.1111/j.2042-7158.2011.01418.x>.
- Dichloroacetonitrile induces oxidative stress and developmental apoptotic imbalance in mouse fetal brain. Esmat A, Ghoneim AI, El-Demerdash E, Khalifa AE, Abdel-Naim AB. *Environ Toxicol Pharmacol*. 2012 Jan;33(1):78-84. Epub 2011 Nov 16. Available at: <http://dx.doi.org/10.1016/j.etap.2011.11.004>.
- Cardioprotective effect of thymoquinone against isoproterenol-induced myocardial infarction in rats. Badr AM, Ghoneim AI, Khalifa AE, El-Demerdash E. *Az J Pharm Sci*. 2011 Mar;43:350-364.
- Rubus sanctus protects against carbon tetrachloride-induced toxicity in rat isolated hepatocytes: isolation and characterization of its galloylated flavonoids. Badr AM, El-Demerdash E, Khalifa AE, Ghoneim AI, Ayoub NA, Abdel-Naim AB. *J Pharm Pharmacol*. 2009 Nov;61(11):1511–1520. Available at: <http://dx.doi.org/10.1211/jpp/61.11.0011>.
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