
Amira M. Senbel, M.Sc., Ph.D.

Vice-Dean for Educational Affairs, Vice-Dean for Training and Community Services and Full-time Professor, College of Pharmacy, Arab Academy for Science, technology and Maritime Transport (AASTMT)

Professor of Pharmacology & Toxicology, Alexandria University (AU)

Ex-Deputy Director of Quality Assurance Center and Directorate, Alexandria University, Egypt

Ex-Director of Quality Assurance Unit, Faculty of Pharmacy, Alexandria University, Egypt

L'Oréal-UNESCO Fellowship prize "For Women in Science" 2013 Pan Arab

Member: Experts panel of peer-reviewers for L'Oreal Unesco Young Talents Sub-Saharan Fellowship- Africa

Reviewer for Science & Technology Development Fund (STDF) U.S. - Egypt Joint Board

Research fellow at University Paris XIII, Imperial College London, and Sapienza University Rome

Biography included in "Who's Who in the World", "2000 Outstanding Intellectuals of the 21th Century IBC, Cambridge" and "Women of Egypt": <https://www.facebook.com/thewomenofegypt/posts/1604678649626576/>



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Birth date: June 10, 1976

Birthplace: Paris, France

Nationality: Egyptian

Social Status: Married

Education :

- **2005** Ph.D. in Pharmaceutical Sciences, Department of Pharmacology & Toxicology, Faculty of Pharmacy, University of Alexandria, Egypt.
- **2002** Master in Pharmaceutical Sciences, Department of Pharmacology & Toxicology, Faculty of Pharmacy, University of Alexandria, Egypt.
- **1998** Bachelor of Pharmaceutical Sciences, Distinction of Honor, Faculty of Pharmacy, University of Alexandria, Egypt.
- **1993** Graduated at the French School (Lycee Francais d'Alexandrie), Alexandria, Egypt.

Research Experience:

Scopus: Publications 30, citations 327, *h*-index 11.

Google Scholar: Publications 42, citations 451, *h*-index 14

- **10/2021- Present.** Principal Investigator: Research Grant CRP2047 funded by AASTMT 2021 and entitled "Novel therapies targeting epigenetics and autophagy in liver and breast cancer cell lines".
- **3/2018- 1/2019** Invited Researcher: Laboratory for Vascular Translational Sciences, INSERM U1148, CHU X. Bichat, Paris France.
- **1/2014- 3/2016** Principal Investigator: IMHOTEP project entitled "Interaction of prostanoids with phosphodiesterase 5 inhibitors used in pulmonary hypertension and erectile dysfunction" co-funded by the French Ministry of Foreign Affairs and Academy of Science, Research & Technology, Egypt.
- **11/2013- 11/2014** Principal Investigator: project entitled "Negative effect of non-steroidal anti-inflammatory drugs on lower urinary tract functions: a pharmacological study in experimental animals", a one-year project funded by L'Oreal UNESCO Foundation, Paris, France.

- **9/2013 – 10/2013** Visiting scientist at Eicosanoid and vascular pharmacology research group, INSERM unit 698 - Bichat Hospital and Université Paris Nord (Paris XIII).
- **6/2012- 7/2012** Visiting Scientist at Nitric Oxide Signalling Group, MRC Clinical Science Centre, Imperial College London, UK.
- **4/2008- 4/2010** Research member- STDF project “studying the effect and mechanism of action of novel curcumin derivative on erectile function in rats” Kasr El Einy, Cairo University Faculty of Medicine, Egypt.
- **6/2005- 2010** Post-doctoral researcher, Department of Pharmacology, Faculty of Pharmacy, University of Alexandria, Egypt.
- **2006- Present** Academic Supervisor of six Master Theses and two Ph.D. theses in Pharmacology & Toxicology.
- **12/2002- 4/2005** Full-time Ph.D. student, Department of Pharmacology, Faculty of Pharmacy, University of Alexandria, Egypt. Thesis entitled: Comparative Study of Sildenafil with Some Drugs Used in Penile Erection Dysfunction.
- **8/1999- 4/2002** Full-time M.Sc. student, Department of Pharmacology, Faculty of Pharmacy, University of Alexandria, Egypt. Thesis entitled: In-Vitro Study of Some Drugs Used in Penile Erection Dysfunction.
- **3/2000- 2/2001** Intensive practical and theoretical postgraduate courses of Pharmacology, Toxicology, Biochemistry and Bioassay, Faculty of Pharmacy, University of Alexandria.
- **3/1999- 2/2000** Intensive postgraduate courses of computer, mathematics and statistics, physics and advanced instrumental analysis, Faculty of Pharmacy, University of Alexandria.

Academic Employment :

- **5/2020- present** Member: Experts panel of peer-reviewers for L’Oreal Unesco Young Talents Sub-Saharan Fellowship- Africa
- **2/2020- present** Full-time Professor, College of Pharmacy, Arab Academy for Science, technology and Maritime Transport (AASTMT)
- **2/2020- present** Reviewer for Science & Technology Development Fund (STDF) U.S. - Egypt Joint Board on Scientific and Technological Cooperation research grants
- **3/2018- 1/2019** Full-time Researcher at Laboratory for Vascular Translational Sciences, INSERM U1148, CHU X. Bichat, University Paris XIII Paris France.
- **8/2017- Present** Professor of Pharmacology and Toxicology, Faculty of Pharmacy, University of Alexandria.
- **8/2013- 9/2013** Visiting Scientist at the Université Paris Nord (Paris XIII), Laboratory for Vascular Translational Sciences, INSERM unit 698 - Bichat Hospital, Paris, France.
- **4/2013- 5/2013** Visiting Scientist at the Department of Physiology and Pharmacology, Sapienza University of Rome- Italy.
- **5/2012- 7/2017** Associate Professor of Pharmacology and Toxicology, Faculty of Pharmacy, University of Alexandria.
- **9/2009- 8/2014** Academic Advisor for Undergraduate students, Clinical Pharmacy Program, Faculty of Pharmacy, University of Alexandria.
- **9/2011- 8/2015** Coordinator and Academic advisor- Diploma of Biochemical Analysis, Faculty of Pharmacy, University of Alexandria.
- **2/2006- Present** Co-supervisor of the Summer Program Trainee of third year students in public pharmacies, Faculty of Pharmacy, University of Alexandria.
- **6/2005- Present** Tutor and co-Supervisor of Master and Ph.D. students at the Department of Pharmacology and toxicology, Faculty of Pharmacy, University of Alexandria.
- **6/2005- 4/2012** Assistant Professor of Pharmacology and Toxicology, Faculty of Pharmacy, University of Alexandria.
- **6/2002- 5/2005** Assistant Lecturer of Pharmacology, Toxicology, Biochemistry and Bioassay, Faculty of Pharmacy, University of Alexandria.
- **1/1999- 5/2002** Teaching Assistant of Pharmacology, Toxicology, Biochemistry and Bioassay, Faculty of Pharmacy, University of Alexandria.

Administrative Duties:

- **6/2021- Present** Vice-Dean for Educational Affairs College of Pharmacy, Arab Academy for Science, technology and Maritime Transport (AASTMT)
- **9/2020 - Present** Vice-Dean for Training and Community Services and Full-time Professor, College of Pharmacy, Arab Academy for Science, technology and Maritime Transport (AASTMT)
- **11/2020- Present** Member of Higher Committee for QS and Times Higher Education academic ranking at AASTMT.
- **1/10/2021- Present** Editor in Chief, Advances in Medical Pharmaceutical and Dental Research (AMPDR), AASTMT publishing Center.
- **6-7/11/2019** Member of the organizing Committee of Pharmaceutical and Health Care Sciences Conference (PHS 2019) , Alexandria University.
- **2/2015- 8/2016** Director, Quality Assurance Unit, Faculty of Pharmacy, Alexandria University.
- **7/2009- 7/2015** Deputy-Director, Quality Assurance Centre and Directorate, University of Alexandria, Egypt.
- **2/2015- 8/2016** Member, "Faculty of Pharmacy Council" , University of Alexandria Egypt.
- **1/2006- 8/2014** Member then Head of the Electronic Registrar and Students Grading Development and Application System, Faculty of Pharmacy, Alexandria University.
- **9/2008- 1/2012** Focal point of EU projects, Faculty of Pharmacy, University of Alexandria, Egypt.
- **6/2009- Present** Member then Head of the "Strategic Planning" committee, Faculty of Pharmacy, University of Alexandria.
- **11/2010- 7/2012** Treasurer of "Faculty of Pharmacy Council" , University of Alexandria Egypt.
- **9/2007- 7/2008 & 8/2012- 7/2014** Member of "Learning & Student's Affairs" committee, Faculty of Pharmacy, University of Alexandria.
- **10/2005- 10/2011** Head of the Board of Fine Arts at Faculty of Pharmacy, and Students' activities Liaison at University of Alexandria.
- **8/2008- 8/2009** Member of "Postgraduates and Research Affairs" committee, Faculty of Pharmacy, University of Alexandria.
- **8/2006- 7/2007** Member of "Environmental and Social Development" committee, Faculty of Pharmacy, University of Alexandria.

Teaching experience :

- **9/2005- Present** 425 hours undergraduate Lectures in Toxicology, Faculty of Pharmacy, University of Alexandria and College of Pharmacy AASTMT.
- **2/2006- Present** 350 hours undergraduate Lectures in Pharmacology, Faculty of Pharmacy, University of Alexandria and College of Pharmacy AASTMT.
- **2/2009- Present** 115 hours undergraduate Lectures in Biophysics, Faculty of Pharmacy, University of Alexandria
- **3/2006- Present** Postgraduate courses in Advanced Pharmacology, Molecular Biology and Toxicology, Faculty of Pharmacy, University of Alexandria.
- **6/2005- Present** External examiner of Pharmacology, Toxicology, Biological Assays, Drug interactions, Clinical pharmacology and Therapeutics, at many Egyptian Universities.
- **9/2013- Present** Postgraduate courses in Critical appraisal and Basic clinical pharmacy, PharmD program, Faculty of Pharmacy, University of Alexandria
- **9/2005- Present** Supervisor of practical undergraduate courses of Pharmacology and Toxicology, Faculty of Pharmacy, University of Alexandria.
- **8/1998- 4/2005** Teaching undergraduate laboratory courses of Pharmacology, Toxicology, Biochemistry, and Bioassay, Faculty of Pharmacy, University of Alexandria.

Awards & honors :

- **Fellowship Award STDF/IFE 2017** A nine-months research fellowship to Eicosanoid and vascular pharmacology research group, INSERM unit 698 - Bichat Hospital and Université Paris Nord (Paris XIII) co-sponsored by the French Embassy in Egypt and the Ministry of Higher Education in Egypt.
- **Fellow prize "For Women in Science" 2013** L'Oréal-UNESCO Pan Arab Regional Fellowships.
- **Fellowship: Short Scientific Mission for Senior Scientists 2013** offered by the French Embassy, Institut Français, to visit Eicosanoid and vascular pharmacology research group, INSERM unit 698 - Bichat Hospital and Université Paris Nord (Paris XIII).
- **ELEMENT Staff Exchange fellowship 2012** by Erasmus Mundus European Commission to visit Sapienza University Rome.
- **The Daniel Turnberg Travel Fellowship 2012** by the Academy of Medical Sciences to visit Imperial College London.
- **BPS London Pharmacology 2013** Congress Attendance Award
- **BioVision.Nxt 2011** Travel fellowship for Biovision Forum in Lyon, France.
- **Youssef Jameel Prize for Scientific Excellence** for presentation entitled "Novel Selective COX-2 Inhibitor Pyrazole Derivative Proven Effective as Anti-inflammatory and Analgesic Drug" at the 51st Annual Conference of ESPET, 16-17 March 2010, Cairo, Egypt.
- Biography included in "**Who's Who in the World**" **Twenty Sixth Edition, 2009.**
- Biography included in "**Who's Who in the World**" **Twenty Seventh Edition, 2010.**
- Biography included in "**Who's Who in Medicine and Healthcare**" **2009-2010 edition.**
- Biography included in "**2000 Outstanding Intellectuals of the 21th Century 2009/2010**" IBC, Cambridge, England & "**Women of Egypt** <https://www.facebook.com/thewomenofegypt/posts/1887045118056593/>"
- Alexandria University **Award for Enhancement of Scientific Publishing, 2008.**
- Nomination for doctoral scholarship- Department of Pharmacology- Cambridge University- Cambridge Overseas Trust (2002).
- Nomination for post-doctoral fellowship funded by the National Ministry of Higher Education (2003)
- University of Alexandria **Students Union's Award for Scientific Distinction** (1998).
- Egyptian Pharmaceutical Companies **Award for Distinction Honor Graduate** (1998).

Memberships :

- Full Member of the British Pharmacological Society (**BPS**), membership no 20309.
- Member of International Society for the Study of Xenobiotics (**ISSX**).
- Member of the American College of Clinical Pharmacology (**ACCP**), membership no 3024.
- Member of the European Society of Cardiology (**ESC**)
- Member of the Egyptian Society of Toxicology (**EST**)
- Member of the Egyptian Pharmaceutical Society (**EPS**)
- Member of the Egyptian Society of Pharmacology and Experimental Therapeutics (**ESPET**)
- Member of the Egyptian Association for the Advancement of Medical Basic Sciences (**EAMBS**)

Language Proficiency :

- Excellent written and spoken command of French Language (Tests: 1. Alliance Française 1991, tres bien. 2. Test d'attestation de niveau de langue au Centre Culturel Français, 2003: Tempo 2 Bloc 9. 3. Attestation de connaissance de la langue Française, Centre Culturel Français- Alexandrie- Egypte) .
- Excellent written and spoken command of English Language (Tests: Toefl, 2003, score 270, essay rating: 5.5).
- Arabic is the native language.

Seminars and Workshops :

- **6/7/2020** Webinar on “Measuring the Impact of Emergency Online Teaching on the Quality of Education” *AUF- Moyen Orient*, organized with with CLICKS.
- **2/2020- 6/2021** Workshops on Moodle as e-learning platform, use of Kortext in teaching and learning, crisis management, promoting culture of change in administration, AASTMT , Egypt.
- **7/2016** Workshop on “Updated Criteria for National Accreditation of Higher Education Institutes in Egypt” organized by NAQAA (National Association for Quality Assurance and Accreditation” Conrad Hotel, Cairo, Egypt.
- **20/12/2015.** Organizer and moderator: Scientific day and round table discussion “cardiovascular risks of COXIBs and role of perivascular fats in the physiology of the cardiovascular system”, Faculty of Pharmacy, Alexandria University.
- 18/9/2015.** Information Day "Sheraca+" on funding opportunities for joint projects between France and Egypt. Ministère de l'éducation et de la recherche, Paris.
- **22/12/2014.** Speaker : seminar entitled “Erectile Dysfunction: Experimental Approaches “ INSERM unit 1148, Laboratory for vascular translational science, University Paris 13, Paris, France.
- **26/10/2014.** Organizer and speaker: Seminar entitled “Egyptian– French Scientific Cooperation” Faculty of Pharmacy, Alexandria University.
- 29/10/2014.** "French-Egyptian Science Day" National Research Centre (NRC) - French Institute of Egypt and Embassy (IFE), Cairo.
- **9- 10/10/2013** workshop entitled “ University Leadership and Management in an international context” the DAAD Kairo Akademie, at the premises of Goethe Institute Alexandria.
- **18/4/2013** Speaker : seminar entitled “Erectile Dysfunction: Experimental Approaches and Achievements at the Department of Pharmacology & Toxicology, Faculty of Pharmacy, Alexandria University.” Department of Physiology and Pharmacology, Università di Roma “Sapienza”, Rome, Italy.
- **26/6/2010** workshop entitled “ Making Quality Assurance Work in Higher Education “The British Council in Cairo, Egypt
- **28/2 – 2/3/2009** workshop entitled “Linking Industry with Universities and Research” The British Council in cooperation with Alexandria University, Alexandria, Egypt.
- **3- 7/8/2008** Certificate of FundRaising “Principles and Techniques of Fundraising”, Center of Philanthropy Indiana University, School of Law Indianapolis, Fundraising School, offered on site at University of Alexandria, Faculty of Law.
- **25/6/2009** workshop entitled “Strategic planning in higher education institutes”, Program of Continuous Improvement and Qualification for Accreditation, Faculty of Agriculture, Cairo University.
- **1-2/7/2008** workshop entitled “Strategic planning in higher education”, National Authority for Quality Assurance and Accreditation of Education, Conference Centre, University of Alexandria.
- **3-5/4/2007** workshop entitled “ Laboratory Biosafety and Biosecurity”, Cairo, Pyramiza Hotel, organized by the International Institute for Biological Threat Reduction (IBTR), Sandia National Laboratories, USA.
- **26/2/2007** The 5th integrated symposium of the Egyptian Association of the Advancement of Medical Basic Sciences: breast cancer: hope and cure, Faculty of Medicine, University of Alexandria.
- **20/11/2006** A workshop entitled “Red tide and Human health” held in Bibliotheca Alexandrina, under the supervision of the National institute of Oceanography, Institute of higher education, Alexandria, Egypt.
- **30/7- 1/8/2006** Intensive training course in “Molecular Diagnosis of Diseases” (applications in biotechnology), Institute of Graduate Studies and Research, University of Alexandria, Egypt.

- **13/2/2006** The 4th integrated symposium of the Egyptian Association of the Advancement of Medical Basic Sciences: Physical exercise in health and disease, Faculty of Medicine, University of Alexandria.
- **28/7-2/8/2005** The First Training Course on Medical Libraries, under the supervision of WHO and Ministry of Health and Population, Medical Information Center, Faculty of Medicine, University of Alexandria.
- **24-27/7/2005** The seminar and Workshop entitled: Improving the expertise of workers in bioanalytical labs, (DAQC/HEEPF), Faculty of Pharmacy, University of Alexandria.
- **2005-2007** Seven different workshops at the accredited center of "Faculty & Leadership Development Project, University of Alexandria, entitled "how to write scientific research and publish internationally", "management of time and work stress", "tools of student assessment", "designing a curriculum", "effective presentations", how to use technology in teaching" and "ethics in scientific research".
- **20/10- 8/11/2001** The workshop "Development of The Academic Instructor", University of Alexandria
- **5/1999 and 7/2000** Two workshops on "Clinical Pharmacy", Faculty of Pharmacy, University of Alexandria, tutor: Dr.Soraya Dhillon, Professor of Clinical Pharmacy, Faculty of Pharmacy, University College of London and Dr. Eglal Chalhoub, Chief Pharmacist, St-Mary's Hospital, Montreal, Canada.

Conferences :

- **29 August- 1 September 2020** European Society of Cardiology (ESC) Congress 2020- The Digital Experience.
- **12- 14 September 2018** 7th European Workshop for Lipid Mediators, Universite Catholique de Louvain, Brussels, Belgium.
- **24- 27 June 2017** 13th Congress of the European Association of clinical pharmacology and therapeutics (EACPT 2017)- Prague- Czech Republic.
- **26- 28 August 2016** Annual meeting of the Scandinavian Physiological Society, Oslo University, Oslo, Norway.
- **20-23 May 2015** 10th European congress on Andropause and menopause (EMAS), Hotel Auditorium, Madrid, Spain.
- **17- 19 December 2013** Pharmacology 2013 (British Pharmacological Society winter meeting), Queen Elizabeth II Conference Centre, Westminster, London.
- **27- 28 September 2012** 4th European workshop on lipid mediators- Institute Pasteur- Paris- France.
- **1-11 August 2012** Invited speaker to the 58th International Pharmaceutical Student Federation (IPSF) World Congress, Hurgada, Egypt.
- **22-26 April 2012** Invited reviewer, BioVision 2012 conference, World Life Science Forum, Bibliotheca Alexandrina, Egypt.
- **15-21 July 2011** Invited speaker to the 2nd eastern Mediterranean Pharmaceutical Symposium, Doha, Qatar
- **6-7 June 2011** EPHAR Symposium 2012: Molecular Pharmacology of G Protein Coupled Receptors and Signalling Partners, Fulya Congress Center , Istanbul, Turkey.
- **25- 30 March 2011** BioVision 2011, The 7th World Life Science Forum, Lyon, France
- **4- 6 December 2010** "Fostering Academic Integrity", American University in Cairo, Egypt.
- **17- 24 July 2010** WorldPharma 2010, the 16th Congress of Basic and Clinical Pharmacology, Bella Centre, Copenhagen, Denmark.
- **11- 15 April 2010** Biovision Alexandria 2010: Future Prospects, Bibliotheca Alexandrina, Alexandria, Egypt.
- **16-17 March 2010** the 51st Annual Conference of ESPET, Hospitality House, Ain Shams University, Cairo, Egypt.

- **24 - 26 December 2008** XXXI Conference of Pharmaceutical Sciences, Egyptian Pharmaceutical Society, Cairo, Egypt
- **13 - 17 April 2008** Biovision Alexandria 2008: From promises to Practice, Bibliotheca Alexandrina, Alexandria, Egypt.
- **15 April 2008** The first international conference for Center of quality Assurance and Accreditation, Cairo University, Great Hall, Cairo.
- **22 – 24 November 2006** The 12th conference of the Medical Research Institute in Alexandria: Advances in medical research, Alexandria, Egypt.
- **26- 29 April 2006** Biovision Alexandria 2006: Changing lives, Bibliotheca Alexandrina, Alexandria, Egypt.

Other Activities :

- **2008- present** Reviewer for the following Internationally-cited journals: Journal of Pharmacy and Pharmacology (JPP), Pharmacology, Biochemistry and Behavior (PBB), Basic and Clinical Pharmacology and Toxicology (BCPT), International Journal of Impotence Research (IJIR), Life Sciences, Journal of Sexual Medicine (JSM), European Journal of Pharmaceutical Sciences (EJPS) and British Journal of Pharmacology (BJP).
- **3/2014 and 3/2016** Evaluator for Abstract submitted to Biovision Conference (Health section), Bibliotheca Alexandrina, Egypt
- **9/2008- 1/2012** Focal point of EU projects, Faculty of Pharmacy, University of Alexandria, Egypt.
- **2007- 10/2011** Member of “Faculty of Pharmacy Internet site development” committee
- **10/ 2008- present** Member of the Technical Support Team, Quality Assurance Center, University of Alexandria, Egypt.
- **4/2006- Present** Member of the Executive Committee for Quality Assurance and Accreditation in Higher education in Egypt – Quality assurance unit, Faculty of Pharmacy, University of Alexandria.
- **5/ 2008- present** Executive Committee Member of the Continuous Improvement of Quality and Accreditation Project for Higher education in Egypt –Faculty of Pharmacy, University of Alexandria.
- Organizer of Pharmacy Graduation Days 2005, 2006, 2007 and 2008, Faculty of Pharmacy, University of Alexandria.
- Member of the executive committee of the "Medical Waste Disposal" project in Alexandria, Committee of environmental and social development, Faculty of Pharmacy- University of Alexandria.
- **2007-2012** Board of Directors, treasurer of the Alumni of the Faculty of Pharmacy Students, Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt.
- **2005- 2013** Scientific advisor- “Pharmaceutical Services Unit”, Faculty of Pharmacy, University of Alexandria, presenting many scientific and research activities, such as toxicological and clinical expert report on ibuprofen, certified technical document on simvastatin and paracetamol, pharmacological activity and toxicity profile of some Egyptian pharmaceutical products.

Full-text Publications :

- 1- Amgoud Y, **Senbel A**, Bouhadoun A, Abdelazeem H, Ozen G, Savané I, Manikpurage HD, Mani S, Tran-Dinh A, Castier Y, Guyard A, Longrois D, Silverstein AM, Norel X. In search of pulmonary hypertension treatments: Effect of 17 β -estradiol on PGI₂ pathway in human pulmonary artery. Prostaglandins Leukot Essent Fatty Acids. 2021 Sep;172:102321. doi: 10.1016/j.plefa.2021.102321.
- 2- Xavier Norel, Chengcan Yao, Gulsev Ozen, Heba Abdelazeem, Yasmine Amgoud, Amel Bouhadoun, Wesam Bassiouni, Marie Goepp, Salma Mani, Hasanga Manikpurage, **Amira Senbel**, Dan Longrois, Akos Heinemann, Yukihiko Sugimoto, and Lucie H. Clapp (2020). Differences and similarities between human and rodents concerning EP1-4 and IP receptors: Specific roles in pathophysiological conditions. Pharmacol Rev 72: 1-59, October 2020. <https://doi.org/10.1124/pr.120.019331>.

- 3- Bassiouni W, Daabees T, Louedec L, Norel X, **Senbel A** (2019). Evaluation of some prostaglandins modulators on rat corpus cavernosum in-vitro: Is relaxation negatively affected by COX-inhibitors? *Biomed Pharmacother.* 2019 Mar;111:1458-1466.
- 4- Bassiouni W, Daabees T, Norel X, **Senbel AM** (2019). Hypoactivity of rat detrusor muscle in a model of cystitis: exacerbation by non-selective COX inhibitors and amelioration by a selective DP1 receptor antagonist. *Naunyn Schmiedebergs Arch Pharmacol.* 2019 Apr;392(4):437-450.
- 5- Bassiouni W, **Senbel A**, Norel X, Daabees T. (2019). Sildenafil corrects the increased contractility of rat detrusor muscle induced by alprostadil in vitro. *Pharmacol Rep.* 2019 Mar 16;71(4):659-668.
- 6- HA Elmoneim, F Sharabi, MM El Din, L Louedec, X Norel, **A Senbel** (2017). Potassium channels modulate the action but not the synthesis of hydrogen sulfide in rat corpus cavernosum. *Life Sciences* 189 (2017) 39–43.
- 7- **AM Senbel**, HMA Elmoneim, FM Sharabi, MMM El-Din (2017). Neuronal Voltage Gated Potassium Channels May Modulate Nitric Oxide Synthesis in Corpus Cavernosum. *Front. Pharmacol.* 8:297.
- 8- **Senbel AM**, Saad El, Taha SS, Mohamed HF (2016). Different mechanisms for lead acetate, aluminum and cadmium sulfate in rat corpus cavernosum. *Toxicology*; 340: 27-33.
- 9- Benyahia C, Ozen G, Orie N, Ledwozyw A, Louedec L, Li F, **Senbel AM**, Silverstein A, Danel C, Longrois D, Clapp LH, Norel X, Topal G. (2015). Ex vivo relaxations of pulmonary arteries induced by prostacyclin mimetics are highly dependent of the precontractile agents. *Prostaglandins Other Lipid Mediat. ;* 121 (Pt A):46-52.
- 10- **A.M. Senbel** , L. AbdelMoneim, A.G. Omar (2014). Celecoxib modulates nitric oxide and reactive oxygen species in kidney ischemia/reperfusion injury and rat aorta model of hypoxia/reoxygenation. *Vascular Pharmacology*, 62: 24- 31.
- 11- **Amira M. Senbel**, Amal G. Omar, Lobna M. AbdelMoneim, Hosni F. Mohamed and Tahia T. Daabees (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.
- 12- **Senbel AM**, Helmy MM (2013). Lead acetate may cause erectile dysfunction by modulating NO/cGMP pathway in rat corpus cavernosum. *Cell Biol Toxicol.* 29(5): 355-64
- 13- Mohamed E. Mostafa, **Amira M. Senbel**, Taymour Mostafa (2013). Effect of Chronic Low-dose Tadalafil on Penile Cavernous Tissues in Diabetic Rats. *Urology* 81(6): 1253-1260.
- 14- Abdel Aziz MT, Motawi T, Rezaq A, Mostafa T, Fouad HH, Ahmed HH, Rashed L, Sabry D, **Senbel A**, Al-Malki A, El-Shafiey R. (2012) Effects of a Water-Soluble Curcumin Protein Conjugate vs. Pure Curcumin in a Diabetic Model of Erectile Dysfunction. *J Sex Med.*; 9 (7):1815-33.
- 15- **Senbel A. M.**, Hashad A., Sharabi F.M., Dabees T.T. (2012). Combined effect of sildenafil and guanethidine, propranolol or verapamil on erectile function in rats. *Journal of Pharmacy & Pharmacology*; 64(11):1659-66.
- 16- Helmy MM and **Senbel AM**. (2012). Evaluation of vitamin E in the treatment of erectile dysfunction in aged rats. *Life sciences*; 90: 489–494.
- 17- **Senbel A. M.**, Hashad A., Sharabi F.M., Dabees T.T. (2012). Activation of muscarinic receptors inhibits neurogenic nitric oxide in the corpus cavernosum. *Pharmacological Research*; 65: 303– 311.

- 18- Amira M. Senbel** (2011). Functional Inhibition of Erectile Process in Rats by Indomethacin. *World J Urol.*; 29(4):523-7.
- 19- Amira M. Senbel**, Mohy El-Din M M, Bistawroos A A, El-Mallah A, Nour El-Din A N, Bekhit A A, Abd El Razik A H, (2011). Novel Selective COX-2 inhibitor Pyrazole Derivative Proven Effective as Anti-inflammatory and Analgesic Drug. *Basic and Clinical Pharmacology & Toxicology*;108 (4):263-73.
- 20- Amira M. Senbel** (2011). Interaction between Nitric Oxide and Dopaminergic Transmission in the Peripheral Control of Penile Erection. *Fundam Clin Pharmacol.* 25(1):63-71.
- 21-** Mohamed Talaat Abdel Aziz, Mohammed F. El Asmer, Ameen Rezaq, Taha Abdullah Kumosani, Samya Mostafa, Taymour Mostafa, Hazem Atta, Mohamed Abdel Aziz, Wassef, Hanan H. Fouad, Laila Rashed, Dina Sabry, Amira A. Hassouna, **Amira Senbel**, Ahmed Abdel Aziz (2010). Novel Water-soluble Curcumin Derivative Mediating Erectile Signaling. *Journal of Sexual Medicine*, 7(8):2714-22.
- 22-** M. T. Abdel Aziz, S El-Haggag, T. Mostafa, H. Atta, H. Fouad, S. Mahfouz , L. Rashed, D. Sabry, **A. Senbel** & G.A. Ali (2010). Effect of mesenchymal stem cell penile transplantation on erectile signalling of aged rats. *Andrologia*, 42: 187- 192.
- 23-** Mohamed Talaat Abdel Aziz, Mohamed Farid El Asmer, Taymour Mostafa, Hazem Atta, Soheir Mahfouz, Hanan Fouad, Laila Rashed, Dina Sabry, Amira Hassouna, Ahmed Talaat Abdel Aziz, **Amira Senbel**, Ahmed Demery.(2009) Effects of Losartan, HO- 1 Inducers or HO-1 Inhibitors on Erectile Signaling in Diabetic Rats. *Journal of Sexual Medicine.* 6 (12): 3254-3264.
- 24-** Manal M. Saudi & **Amira M. Senbel** (2009). Antihypertensive activity of some novel 4 H- pyran analogs. *Saudi Pharmaceutical Journal*, 17; 135- 144.
- 25- Senbel, A.M.** and Mostafa T. (2008): Yohimbine enhances the effect of sildenafil on erectile process in rats. *International Journal of Impotence Research* 20, 409–417.
- 26-** MA El-Metwally, FM Sharabi, TT Daabees, **AM Senbel** and T Mostafa (2007): Involvement of alpha-receptors and potassium channels in the mechanism of action of sildenafil citrate. *International Journal of impotence Research* 19, 551 - 557 .
- 27-** Mohy El-Din, M.M., Sharabi, F.M. Daabees, T.T. and **Senbel, A.M.** (2007): Peripheral modulation of dopaminergic receptors affects erectile functions in rats. *Basic & Clinical Pharmacology & Toxicology*, 100, 225–232.
- 28-** Mona A. Mahran, Samia William, Faten Ramzy and **Amira M. Senbel.** (2007): Synthesis and in vitro Evaluation of New Benzothiazole Derivatives as Schistosomicidal Agents. *Molecules*, 12, 622-633.
- 29-** Sharabi, F.M., Daabees, T.T., El-Metwally, M.A. and **Senbel, A.M.** (2005) Effect of sildenafil on isolated rat aortic rings. *Fundam. Clin. Pharmacol.*, 19: 449- 456.
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