

جامعة الإسكندرية
كلية الصيدلة
قسم علم الأدوية و السموم
دليل القسم 2020



DEPARTMENT GUIDE 2020



المحتوى

3	اولا: رسالة و أهداف القسم
7	ثانيا: الهيكل التنظيمى للقسم
17	ثالثا: النشاط التعليمى للقسم
28	رابعا: النشاط البحثى للقسم
28	- الخطة البحثية بالقسم
31	- قائمة الاجهزة المتوفرة بالقسم
36	- رسائل ماجستير تم التسجيل لها فى القسم فى الفترة من 2006 الى 2020
42	- رسائل دكتوراة فى الفلسفة تم التسجيل لها فى القسم فى الفترة من 2006 الى 2020
44	- قائمة الاوراق البحثية المنشورة فى المجالات العلمية فى الفترة من 2007 الى 2020
93	- مشاريع بحثية علمية بالقسم
96	- المؤتمرات العلمية التى شارك فيها أعضاء القسم فى الفترة من 2006 الى 2020
110	- جوائز تشجيعية و تقديرية حصل عليها أعضاء من القسم
116	- عضوية الجمعيات العلمية و هيئات النشر الدولية
120	- تحديث معامل الطلبة و الأبحاث و بيت الحيوان بالقسم



أولاً: رسالة و أهداف القسم

مقدمة رئيس القسم

إن مهنة الصيدلة من المهن النبيلة العظيمة التي يقدم فيها الصيدلى للمريض ما يخفف عنه آلامه ويشفى به أمراضه. ولا يقل دور الصيدلى عن دور الطبيب فى فريق الرعاية الصحية الذى يمثل سياج الأمان للمرضى تطبيقاً ورعاية ووقاية .

ولقد تطورت مهنة الصيدلة على مر العصور تطوراً مذهلاً من مجرد قيام الصيدلى بصرف الدواء للمريض بناءً على روصته طبيه لتصبح مهمة الصيدلى مستشاراً للدواء فى منطقة عمله ومرشداً للمرضى فى تعاملهم مع الدواء من نصائح لوسائل الأستخدام الآمن والرشيد للحصول على أفضل النتائج العلاجية إلى تحذيرات من سوء إستخدام الدواء لغير الأغراض الطبية وتجنب مخاطر وصول الأطفال إلى دواء متروك بطريقه غير آمنه يكون سبباً فى هلاكهم ، إلى تقديم المشورة للمرضى فيما يخصهم من أمور ومعلومات طبيه قد يحتاجونها لتحسين ظروفهم الصحية .

ولم يأت هذا التطور عشوائياً بل كان نتاجاً لجهود متتابعة فى مجال التعليم الصيدلى على مدى عهود طويلة ولقد حمل لواء هذا التطوير كليات الصيدلة بمختلف الجامعات وكانت كلية الصيدلة بجامعة الإسكندرية على رأس هذه الكليات وكان قسم علم الأدوية والسموم بصيدلة الإسكندرية فى صدارة هذه القائمة يسعى حثيثاً لتفعيل هذه المنظومة الرائدة للطموحات العالية فى مجال التعليم والتصنيع الدوائى .

ان قسم علم الأدوية والسموم- وهو واحد من أقسام كلية الصيدلة بجامعة الإسكندرية – يضطلع بمهام عظيمة يقوم بها نخبة من أعضاء هيئة التدريس بالقسم وذلك بتقديم خدمة علمية متميزة من خلال مقررات – يقوم القسم بتدريسها – تتفق مع المعايير الأكاديمية على المستوى العالمى ، وذلك بالإضافة إلى القيام بالبحوث العلمية المتميزة والتي يتم نشرها فى كبرى الدوريات العلمية العالمية .

ان قسم علم الأدوية والسموم بكلية الصيدلة – جامعة الإسكندرية لا يدخر جهداً لمواكبة التطورات المتلاحقة فى مجال الرعاية الطبيه والأداء الصيدلى المتميز.



جامعة الإسكندرية
كلية الصيدلة
قسم علم الأدوية و السموم
دليل القسم 2020

رؤية القسم

يسعى قسم علم الأدوية والسموم بكلية الصيدلة – جامعة الإسكندرية ان يكون قسما متميزا بالصدارة في مجال علم الأدوية وعلم السموم وما يتعلق بهما من علوم مساعدة . وان يكون هذا التميز معترفا به وطنيا وعالميا وذلك من خلال تطبيق أعلى مستويات الجودة في التعليم والتدريب لطلاب الصيدلة بالإضافة إلى تشجيع إجراء البحوث العلمية المتميزة التي تخدم الجانب الأكاديمي للعلوم الصيدلة وكذلك جوانب خدمة البيئة لحل مشكلات المجتمع .

رسالة القسم

يهدف القسم إلى تزويد خريج كلية الصيدلة – جامعة الإسكندرية بكافة المعلومات الأساسية بالإضافة إلى دراسة الأمور التطبيقية المرتبطة بهذه الأساسيات والتي تتيح له ان يكون شريكا فعالا ضمن الفريق الطبى لخدمة المرضى وبما يجعله عنصرا مؤثرا في تطوير برامج الرعاية الصحية فى المجتمع .



الأهداف الاستراتيجية للقسم

المحور الطلابي

- 1- الإهتمام بالمقررات التدريسية التى تعطى للطلاب وتحديثها لكى تتواكب مع أحدث المستويات العالميه.
- 2- مراجعة الدروس العملية والإرتقاء بها بما يجعلها تطبيقا للجانب النظرى لها حتى تتحقق الاستفادة الكاملة وذلك بترسيخ فهم الدروس النظرية .
- 3- تشجيع الطلاب على كتابة الموضوعات المقالية وذلك بالبحث فى الكتب المتخصصة والشبكة العنكبوتية للمعلومات ثم القيام بعرض هذه المقالات على زملائهم ضمن مجموعات صغيرة والنقاش فيما يتعلق بموضوع هذه المقالات وذلك ضمن ساعات ال Tutorials
- 4- دعوة الطلاب إلى الانخراط فى الأنشطة الطلابية بالكلية (ثقافية – أجتماعية- رياضية وغيرها) لتكون سبيلا إلى الإرتقاء بجوانب شخصيتهم الأخرى مع الجانب العلمى .

محور البحوث العلمية :-

- 1- ترسيخ مبدأ أهمية البحث العلمى كأداة للأرتقاء بالمجتمع .
- 2- وضع خطط بحثيه لطلاب الدراسات العليا بالقسم لإجراء بحوث علمية متميزة على المستوى الأكاديمى والتطبيقى .
- 3- الإهتمام ببرنامج المقررات العامة والخاصة لطلاب الدراسات العليا وذلك بتدريس مقررات متقدمه فى مجالات التخصص .
- 4- السعى المستمر لتحديث معامل الأبحاث بالقسم فيما يتعلق بالأجهزة والمعدات التى تسمح بالقيام بالبحوث المتطورة .
- 5- توثيق قنوات الإتصال بين القسم ومعاهد البحوث المماثلة بالجامعات الامريكية و الكندية وكذلك شركات صناعة الدواء فيما يختص بالتدريب وإجراء البحوث العلمية المشتركة .



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

المحور المجتمعى :-

- 1- فتح قنوات المشاركة بين القسم ومؤسسات المجتمع لتنمية جوانب معينه بهذه المؤسسات وذلك باستفادتها من إمكانيات القسم فى هذه الجوانب.
- 2- التعرف على مشكلات المجتمع المدنى ومحاولة إيجاد وسائل لحلول هذه المشكلات ضمن بعض البحوث العلمية التطبيقية التى يمكن بواسطتها المساعدة ومد يد العون .
- 3- محاولة تفعيل مبدأ " العلم فى خدمة المجتمع " بما يجعل بناء المجتمع وإزدهاره قائما على دعائم علمية.
- 4- ربط الخرجين الذين يعملون فى المجالات المجتمعية المختلفة بالكلية الأم ومتابعة تطورهم علميا ومهنيا وذلك بعقد دورات وندوات فى المجالات المهنية المختلفة لتحسين أداء الخرجين .

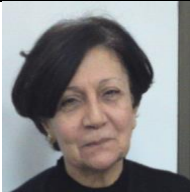
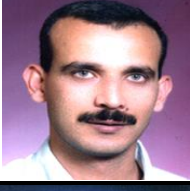
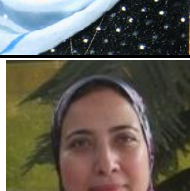
ثانيا: الهيكل التنظيمي للقسم

1- أعضاء هيئة التدريس

الاسم	الوظيفة	وسائل الاتصال	الصورة
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6	أ.د. محمود محمد محي الدين	أستاذ متفرغ	5436175 01003350171 mmohyeldin1@hotmail.com

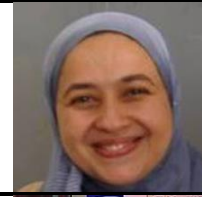
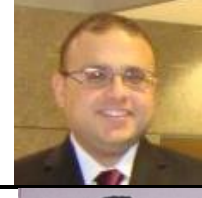
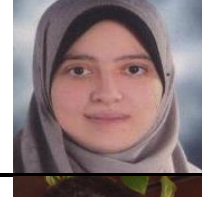


جامعة الإسكندرية
كلية الصيدلة
قسم علم الأدوية و السموم
دليل القسم 2020

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جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

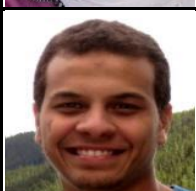
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	5010627 01227426453 hossamshaltout@gmail.com	استاذ مساعد	أ.م.د حسام عبد النبي شلتوت	18
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جامعة الإسكندرية
كلية الصيدلة
قسم علم الأدوية و السموم
دليل القسم 2020

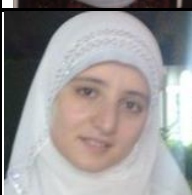
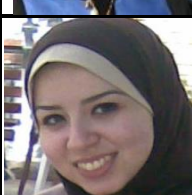
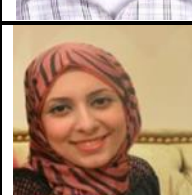
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2- الهيئة المعاونة لأعضاء هيئة التدريس

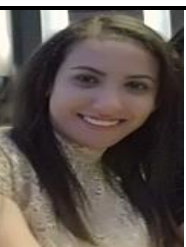
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جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

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3- فنيي المعامل وأمناء المخازن بالقسم

الاسم	الوظيفة	رقم التليفون	الصورة
1	ايمان محمد الحصافى	مراقب القسم (مدير عام)	01282332788
2	أميرة ابراهيم أحمد	كاتب شئون ادارية اول	01221673641
3	محمد رزق السعيد	امين مخزن(فني معمل اول)	01272748499
4	سمير صبحى بخيت	فني معمل اول	01223068317
5	ايهاب أحمد فتحي محمد الديب	فني معمل اول	01225866805



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

	01229263064	فنى معمل ثان	سارة على سالم	6
	01270431541	فنى معمل ثالث	محمد حسن يوسف	7
	01224748651	كاتب شئون اداريه رابع	امال ممدوح فاروق	8

4- عمال القسم

الاسم	الوظيفة	رقم التليفون	الصورة
1 حميده رجب طلبه	معاون ثالثه خدمه	01288010726	
2 سليمان احمد سليمان	معاون سادسه خدمه	01271828993	
3 ريهام متولى احمد	معاون سادسه خدمه		
4 وائل عبده عبده	معاون موقت خدمه	01284057732	
5 سهير حامد حامد	معاون يوميه خدمه		



ثالثا: النشاط التعليمي للقسم

1.a Undergraduate courses

No.	Core courses	Credit hours		
		T	P	
1	Pharmacology علم الادوية	2	2.5	Third year
2	Toxicology, forensic chemistry and first aid السموم و الكيمياء الشرعية و الاسعاف الاولوي	2	1	Fourth year
3	Biological standardization and biostatistics المعايير الاحيائية للادوية و الاحصاء الحيوي	2	1	Fourth year

Course description

Pharmacology علم الادوية

This course provides deep information about general principles in pharmacology, autonomic nervous systems and the mechanism of action, side effects and interactions of different drug groups such as cardiovascular drugs, centrally acting drugs, NSAIDs, drugs affecting kidney and renal functions and drugs acting on blood and blood forming agents

Toxicology, forensic chemistry and first aid السموم و الكيمياء الشرعية و الاسعاف الاولوي

A comprehensive course in toxicology, which provides detailed information about the different branches of toxicology such as factorial, clinical, forensic, military, environmental and reproductive toxicology. The course also provides deep information about chemotherapy of microbial and neoplastic diseases and the first aid measures.

Biological standardization and biostatistics المعايير الاحيائية للادوية و الاحصاء الحيوي

This course is designed to provide students with deep information about pharmacological screening and standardization of different drug groups. The course also provides comprehensive information about the physiological effects of hormones and their biological assays and the different methods of biostatistics.



1.b. Undergraduate clinical course

No.	Core courses	Credit hours		Semester
		T	P	
1	Medical Terminology (PO 101)	1	-	1 st semester
2	Human Anatomy and Histology (PO 202)	2	1	2 nd semester
3	Physiology and Pathophysiology (PO 303)	2	-	3 rd semester
4	Basic Pharmacology (PO 304)	2	1	3 rd semester
5	Pharmacology I (PO 406)	2	1	4 th semester
6	Pharmacology II (PO 507)	2	1	5 th semester
7	Pharmacology III (PO 608)	2	1	6 th semester
8	First Aid and Basic Life Support (BLS) (PO 609)	1	1	6 th semester
9	Pharmacotherapy of endocrine &renal diseases (PO 810)	2	1	8 th semester
10	Pharmacotherapy of oncological diseases and radio pharmacy (PO 811)	2	1	8 th semester
11	Pharmacotherapy of neuropsychiatry diseases (PO 912)	2	1	9 th semester
12	Basic & clinical Toxicology (PO 913)	2	1	9 th semester
13	Therapeutics I (PO 905)	2	1	9 th semester
14	Clinical Pharmacology (PO 906)	2	1	9 th semester
15	Clinical nutrition (PP 909)	1	1	9 th semester
16	Therapeutics II (PO 007)	2	1	10 th semester
17	Pharmacotherapy of critical care patients (PO 014)	1	1	10 th semester
18	Pharmacotherapy of dermatological, reproductive and musculoskeletal	2	1	10 th semester



	Diseases (PO 015)			
19	Pharmacotherapy of Pediatric diseases (PO 016)	2	1	10 th semester
20	Pharmacotherapy of Cardiovascular diseases (PO 017)	2	1	10 th semester
21	Pharmacotherapy of Gastrointestinal diseases (PO 018)	2	1	10 th semester
22	Pharmacotherapy of Respiratory diseases (PO 019)	1	1	10 th semester
23	Biological Standardization (POE 01)	1	1	Elective Course

Course Description:

Medical Terminology (PO 101)

The course is designed to ensure that the students have the necessary competency enabling them to recognize, analyze, synthesize, and apply medical terms as well as universally approved abbreviations related to the health profession, medical and paramedical. This course deals with basic components of medical terms (roots, prefixes, suffixes, and linking or combining vowels) and how does the medical terminology work by combining these basic components. The course also includes commonly used prefixes, and roots of body system, as well as the commonly used medical abbreviations

Human Anatomy and Histology (PO 202)

The aim of the course is to provide the students with competency concerning the appropriate functions of cells, tissues, organs and body system. The course also enables the student to integrate physiological data and mechanisms with ongoing taught sciences: anatomy and histology. Histology part includes cytology, epithelium, C.T., blood, muscle, vascular, lymphatic, respiratory, gastrointestinal and endocrine systems. Anatomy part includes introduction to human anatomy, tissues of the body, skeletal system, articular system, muscular system, digestive system, cardiovascular, respiratory system, lymphatic system, urinary system, genital system, nervous and endocrine systems.

Physiology and Pathophysiology (PO 303)

The course is designed to ensure that the students have the necessary knowledge & skills enabling them to develop professional competency in the recognition & discussion of different physiological and Pathophysiology aspects of the major body organs and system pertinent to this course and in the application of such competencies in the specialist areas. This course cover the physiological function of different organs including physiology of body fluids, blood, nerve and muscle, central nervous system,



special senses, autonomic nervous system, defense mechanisms. Physiology of cardiovascular, respiratory, excretory, endocrine and digestive systems; organic and energy metabolism; exercise and environmental stress are also included. The basic concepts of pathophysiology at the cellular level related to injury, the self-defense mechanism, mutation, and cellular proliferation, and the pathological factors that influence the disease process. Clinical manifestations associated with the diseased organ(s).

Basic Pharmacology (PO 304)

This course provides the principles underlying the actions of drugs; including pharmacokinetics, drug-receptor interactions, and drug metabolism. It explores the fundamental mechanism of drug action emphasizing the modulation of interactions between endogenous ligands and targets. Key target types include receptors, enzymes, transporter proteins, ion channels and nucleic acids. Key concepts include enzyme action, regulation, inhibition and signal transduction. In addition, the course provides the basic principles of drug absorption, distribution, metabolism and excretion.

Pharmacology I (PO 406)

This course integrates principles of pharmacology with conceptual knowledge of physiology and pathophysiology to disease processes regarding the autonomic, neuromuscular, autacoids and cardiovascular systems

Pharmacology II (PO 507)

This course integrates principles of pharmacology with conceptual knowledge of physiology and pathophysiology disease processes regarding drugs acting on central nervous system, gastro-intestinal and pulmonary systems. The anti-inflammatory, analgesics as well as gout treatments are also within the scope of the course.

Pharmacology III (PO 608)

This course integrates principles of pharmacology with conceptual knowledge of physiology and pathophysiology disease processes regarding drugs acting on endocrine system. Chemotherapeutic drugs including antimicrobials, anticancer and immunosuppressant are within the scope of the course. Stem cell therapy is also included. This course includes an advanced application of the science of drug information in terms of: its practice within the drug information centers and various clinical sites. The course will focus on Drug information and poison information centers, different drug information resources, use of the internet for drug and research information, evaluating information on the web. The classification of study design and clinical trials, data presentation, and basic statistical concepts are detailed. Basics of pharmacoeconomic literature are described.



First Aid and Basic Life Support (BLS) (PO 609)

After completing the course, the student should be able to know how to deal with medical emergency. It includes: introduction & accidents, first aid ABCs, medical emergencies, effect of temperature, transportation of an injured casualty & first aid kit, respiratory emergencies, fractures and dislocations, bleeding and surgical emergencies, burns and scalds, animal bites or stings and poisoning.

Pharmacotherapy of endocrine & renal diseases (PO 810)

This course is shared between the Department of Pharmacy Practice and Department of Pharmacology and Toxicology. This course includes the Pathophysiology, causes, clinical presentation, diagnosis and application of pharmaceutical care plans in different endocrinologic disorders (Diabetes, thyroid disorder, caushing syndrome...) and different renal disorders and related fluid and electrolyte disturbances including acute and chronic renal failure, uremic syndrome, kidney stones. The course develops the students' ability to design, monitor, refine safe and costeffective treatment plans and provide appropriate information to patient, caregivers, and health professionals. Patient case-based scenarios will be employed to implement knowledge gained in this course.

Pharmacotherapy of oncological diseases and radio pharmacy (PO 811)

This course is shared between the Department of Pharmacy Practice and Department of Pharmacology and Toxicology . Cancer etiology, risk factors, cancer staging and grading, diagnosis, prognosis, optimizing chemotherapeutic regimens, different types of tumors (solid and hematologic) and their management, toxicities of chemotherapy, supportive treatment, pharmaceutical care and patient's support measures. This course also includes studying radioactive isotopes which process medical applications and precautions of their usage. Patient case-based scenarios will be employed to implement knowledge gained in this course.

Pharmacotherapy of neuropsychiatry diseases (PO 912)

This course is shared between the Department of pharmacy Practice and the Department of Pharmacology and Toxicology. This course aims to provide the student with the knowledge in, pathophysiology, clinical interpretation, pharmacotherapy and management of neuropsychiatric diseases (e. .g mental health disorders, schizophrenia, depression, anxiety, seizure disorders, parkinsonism, migraines, dementia and Alzheimer's disease). Sedative and hypnotics, general anesthetics, opioid analgesics and non-steroidal anti-inflammatory drugs. Patient case-based scenarios will be employed to implement knowledge gained in this course.

Basic & clinical Toxicology (PO 913)

This course aims To ensure that the students have the necessary knowledge & skills, as well as comprehensive understanding of the basics of toxicology enabling them to have detailed knowledge and to develop professional competence in the recognition, solving, and discussion of different toxicological cases. It includes basics and concepts of



toxicology including the mechanism of toxicity, target organ and treatment of toxicity. Toxic groups including heavy metals, toxic gases, animal, plant and marine poisons, pesticides and radiation hazards are covered. Environmental, occupational, reproductive and genetic toxicology as well as drug abuse are included. Postmortem sampling for detection of poisons, methods of detection, interpretation of results and writing of a report are also covered.

Therapeutics I (PO 905)

This course is aimed to provide the clinical pharmacy students with knowledge and expertise required by a clinical pharmacist to input optimally into patient care and to provide the students with the scientific background about evaluating efficacy and safety of medication.

Clinical Pharmacology (PO 906)

This course ensures that the clinical pharmacy students must know the differences between basic pharmacology, clinical pharmacology and therapeutics in addition to providing the basic knowledge concerning factors affecting dosing and dose calculation.

Clinical nutrition (PP 909)

This course provides the clinical pharmacist students with the necessary information related to the different types of macro- and micronutrients, the possible routes of administration and the indications requiring clinical nutrition. Also, it enables the students to calculate the dosage according to the patient's requirements as well as providing a specialized experience concerning the potential complications arising during compounding and/or administration of clinical nutrition.

Therapeutics II (PO 007)

This course aims to provide the clinical pharmacy students with the knowledge and expertise required by a clinical pharmacist to input optimally into patient care along with the scientific background for evaluating efficacy and safety of medication and finally building skills in recommending therapy.

Pharmacotherapy of critical care patients (PO 014)

This course is shared between the Department of Pharmacy Practice and the Department of Pharmacology and Toxicology. The course aims to provide the student with the knowledge in, pathophysiology, clinical interpretation, pharmacotherapy and management of critical care illness (e.g. medical and surgical crises, trauma patients, supportive care, ICU infections, burns, neuro-critical care, cardiovascular critical care, sepsis, septic shock, pain and analgesia, bleeding disorders and anticoagulation, nutritional support and therapy, hemodynamic monitoring, fluid and electrolyte disorders). Patient case-based scenarios will be employed to implement knowledge gained in this course.



Pharmacotherapy of dermatological, reproductive and musculoskeletal Diseases (PO 015)

This course is shared between the Department of pharmacy Practice and the Department of Pharmacology and Toxicology. Skin structure and function, primary and secondary lesions. Most popular skin diseases: infective and non-infective types and their differentiation. Sexually transmitted diseases, male infertility, and women health. Musculoskeletal disorders are also included. Patient case-based scenarios will be employed to implement knowledge gained in this course.

Pharmacotherapy of Pediatric diseases (PO 016)

This course is shared between the Department of pharmacy Practice and the Department of Pharmacology and Toxicology. Nutritional requirements in neonates and infants, nutritional disorders, neonatology, infectious diseases in pediatrics, congenital heart diseases, endocrine, neurological, haematologic, renal, and respiratory disorders, pediatric emergencies. Patient case-based scenarios will be employed to implement knowledge gained in this course.

Pharmacotherapy of Cardiovascular diseases (PO 017)

This course is shared between the Department of pharmacy Practice and the Department of Pharmacology and Toxicology. Main diseases affecting the cardiovascular system, symptoms, prognosis, pharmacological and non-pharmacological management, patient counseling and monitoring of dyslipidaemias, hypertension, coronary artery disease, acute coronary syndromes, heart failure, dysrhythmias, thromboembolic disorders, and stroke. Patient case-based scenarios will be employed to implement knowledge gained in this course.

Pharmacotherapy of Gastrointestinal diseases (PO 018)

This course is shared between the Department of pharmacy Practice and the Department of Pharmacology and Toxicology. Hepatic disorders including viral hepatitis, pancreatitis, gastrointestinal bleeding, peptic ulcer, gastro-esophageal reflux disease, inflammatory bowel diseases and irritable bowel syndrome as well as gastrointestinal symptoms including nausea, vomiting, constipation, and diarrhea. Patient case-based scenarios will be employed to implement knowledge gained in this course.

Pharmacotherapy of Respiratory diseases (PO 019)

This course is shared between the Department of pharmacy Practice and the Department of Pharmacology and Toxicology. Epidemiology, etiology, pathophysiology, clinical manifestation, investigations, treatment, monitoring, and patient counseling of bronchial asthma, chronic obstructive pulmonary disease, pulmonary hypertension, cystic fibrosis, upper and lower respiratory tract infections, and drug-induced respiratory problems. Patient case-based scenarios will be employed to implement knowledge gained in this course.



Biological Standardization (POE 01)

The provides the pharmacy student with knowledge and basic principles concerning drug screening and biological assays and standardization. The course introduces the student to advantages and disadvantages of biological assays, biological tests on isolated organ preparations (guinea pig ileum, rat vas deferens, guinea pig tracheal chain), intact animal preparations (cat blood pressure, cat nictitating membrane, rat blood pressure). Different drug groups are tested including skeletal muscle relaxants, cardio tonic drugs, antidysrhythmic drugs, antihypertensive drugs & analgesics). Assay of different endocrine hormone are discussed including gonadal hormones, insulin, and thyroid hormones.

2. List of Postgraduate Curricula

قائمة المقررات ووصفها لبرامج الماجستير في العلوم الصيدلانية

Specialized courses

No.	Course names	Credit hours		Code no.
		T	P	
1	Selected topics in physiology موضوعات مختارة في الفسيولوجي	3	-	0902701
2	Selected topics in biochemistry موضوعات مختارة في الكيمياء الحيوية	3	-	0902702
3	Advanced course in pharmacology موضوعات متقدمة في علم الادوية	3	-	0902703
4	Applied experimental pharmacology تطبيقات على علم الادوية التجريبي	3	-	0902704

Course description

Selected topics in physiology موضوعات مختارة في الفسيولوجي

This course is designed to give the students a broad understanding of normal human physiology including neuromuscular, nervous system, cardiovascular, gastrointestinal and renal physiology.

Selected topics in biochemistry موضوعات مختارة في الكيمياء الحيوية

A comprehensive course in biochemistry, which discusses the thermodynamics, bioenergetics, principles of enzyme kinetics and regulation, new information concerning hormones, eicosanoids and cytokines.



Advanced course in pharmacology موضوعات متقدمة في علم الادوية

This course, which is a prerequisite for courses in applied therapeutics, is designed to provide students with robust on the action of drugs, their targets, their fate in human body and their clinical applications. The course will deliver deep insights into the mechanism of drug actions and principles of therapeutic targeting.

Applied experimental pharmacology تطبيقات على علم الادوية التجريبي

This course is designed to provide the students with the theory of methodologies, applications and evaluation techniques used to determine efficacy and toxicity of drug therapies.

قائمة المقررات ووصفها لبرامج دكتوراه الفلسفة في العلوم الصيدلية

Specialized courses

No.	Core courses	Credit hours		Code no.
		T	P	
1	Advanced topics in toxicology موضوعات متقدمة في السموم	3	-	0902803
2	Elective courses مقرر اختياري	3	-	-
3	Seminar II البحث التقائي	3	-	0902804

Elective courses

No.	Core courses	Credit hours		Code no.
		T	P	
1	Biochemistry of diseases الكيمياء الحيوية في الحالات المرضية	3	-	0902805
2	Selected topics in pathology موضوعات مختارة في علم الامراض	3	-	0902806
3	Selected topics in histology موضوعات مختارة في علم الانسجة	3	-	0902807
4	Selected topics in clinical pharmacokinetics. موضوعات مختارة في حركية الدواء السريرية	3	-	0902808



Course Description

Therapeutics علاجات

Clinical and laboratory parameters of monitoring patient's responses; special patient populations such as geriatric and pediatric patients; sex- and ethnic-related considerations; general areas of interest for promoting health and maintaining a healthy lifestyle using medications, smoking cessation, weight management and contraception.

Advanced topics in toxicology موضوعات متقدمة في السموم

Facts of toxicology including the principles, concepts and mechanisms of toxicity induced by drugs, chemicals or natural toxins not ordinarily employed for therapeutic purposes; poison-related disciplines such as structures, properties, formulations, sources, epidemiology, pharmacokinetics, pathophysiology and treatment; the importance of apoptosis, cytokines, growth factors, oncogenes, cell cycling, receptors, gene regulation, transcription factors, signaling pathways, genomics and proteomics in drug toxicity.

Biochemistry of diseases الكيمياء الحيوية في الحالات المرضية

This course describes the molecular and biochemical mechanisms that underlie a number of important human diseases. It includes descriptions of many of the investigative method to diagnose these diseases and describe how knowledge of diseases processes can lead to new therapeutic approaches and treatments. These diseases include common inherited diseases, cancer, diabetes, cardiovascular and neurological disorders and diseases of lipid metabolism such as atherosclerosis and obesity.

Selected topics in pathology موضوعات مختارة في علم الأمراض

This course is designed to give the students a basic knowledge of pathology and the nature of disease, cell injury and cell aging, hemodynamic disorders, genetic disorders, diseases of immunity and diseases of major organ systems (heart, lung, gastrointestinal tract, liver and kidney).

Selected topics in histology موضوعات مختارة في علم الأنسجة

This course presents an overview of the microscopical features of human body organs with a particular emphasis on the heart, lung, liver, kidney and brain.

Selected topics in clinical pharmacokinetics موضوعات مختارة في حركية الدواء السريرية

Quantitative assessment of the relationship between drug doses and efficacy, interpretations of measurements of drug concentrations in biological fluids and studying pharmacokinetic parameters such as clearance and volume of distribution and their importance in dosage adjustment and improving efficacy in individual patients. The



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

course also elaborates on the relationship between pharmacological and toxicological effects of drugs and their concentrations in readily accessible site of the body.

رابعاً: النشاط البحثي للقسم

الخطة الإستراتيجية البحثية بالقسم (2020-2015)

Needs Assessment

The scientific research conducted in the Department of Pharmacology, Faculty of Pharmacy, University of Alexandria relies on the following major axes to fulfill the Alexandrian and Egyptian society needs:

- The study of the toxicological effect environmental pollutants, food-born toxicants as well as smoking and drugs of abuse on human health for better protection of our community against such hazards and increasing the public awareness of such problems.
- Participation in the development of new treatment maneuvers using newly developed drugs (natural and synthetic) in combination with the well-established older drugs for common diseases in the society including cardiovascular, liver, renal and gastrointestinal diseases as well as erectile dysfunction and other disorders that constitutes major problems in our society.
- An approach to investigate and minimize the untoward effects of such as non-steroidal anti-inflammatory drugs, immunosuppressants and other drugs present in the Egyptian market which is a major problem for a lot of patients.
- Offering advisory services and conducting scientific research that helps improving scientific writing of brochures of the Egyptian pharmaceutical products and offering the right scientific counseling to patients in community pharmacy and hospital regarding doses, side effects and drug interactions.

Vision

The Department of Pharmacology, by conducting high level scientific research, aspires to be nationally recognized in the achievement of Pharmacology research to be ranked in top colleges and research institutes of Pharmacology.

Mission

We are committed to the innovation of scientific research that serves the needs of our community. Our mission is to advance in the field of Pharmacology through scientific research to create, transmit and apply knowledge based on research in the basic and applied field of Pharmacology to enhance the quality of life. Our multi-disciplinary research aims at developing new methodologies for drug discovery that identifies targets for drug development and reveals modulations in physiological and biochemical pathways in different disease conditions.



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

The following is the proposed strategic research plan for the department (2015-2020):

Research objective	Staff members in charge
Studying erectile dysfunction pathophysiology and management, with in-depth study of the molecular and functional basis of erection. Establishing ideal drugs for the management of erectile dysfunction with maximal therapeutic value and minimal untoward effects.	Prof. Dr. Tahia Daabis Prof. Dr. F. Sharabi Prof. Dr. Amira Senbel
Identification and management of adverse effects of immunosuppressants and drugs of abuse. Providing guidelines for improving health related problems associated with the use of immunosuppressants and increasing the public awareness of problems associated with drugs of abuse and potential approaches to rectify these problems.	Prof. Dr. A.A. Abdel Galil Prof. Dr. F. Sharabi Prof. Dr. M. El-Mas Prof. Dr. Evan Saad Prof. Dr. Sahar El Gowellly Prof. Dr. Hanan El Gowellly Prof. Dr. Ahmed El-Yazbi Dr. Mohamed Fouda



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

Research objective	Staff members in charge
Studying the pharmaco-therapeutics of cardiovascular, renal, liver and gastrointestinal diseases. Identifying pharmacokinetic and pharmacodynamic profiles of therapeutic drugs engaged in treatment of these diseases.	Prof. Dr. A. Gazal Prof. Dr. A.A. Abdel Galil Prof. Dr. Tahia Daabis Prof. Dr. F. Sharabi Prof. Dr. S. Abou Ziet Har Prof. Dr. Azza Erian Prof. Dr. M. El-Mas Prof. Dr. Evan Saad Prof. Dr. Sahar El Gowellly Prof. Dr. Amira Senbel Prof. Dr. Hanan El Gowellly Prof. Dr. Ahmed El-Yazbi Dr. Neveen El Nozahy Dr. Mohamed Fouda

قائمة الاجهزة المتوفرة بالقسم

أجهزة معمل أبحاث الدور الرابع - المبنى القديم (145) Room

المسئول عنه	العدد	اسم الجهاز
Demonstrators working in the lab: • Safaa Taha • Rasha Soliman • Evelyn Magdi • Aya Ashraf	1	• PH meter Jenway 3505, UK
	1	• Hot plate Magnetic stirrer with heater Jenway hot plate model (1000), UK
	3	• Basic universal double tissue bath set Harvard Apparatus, UK
	1	• Digital single beam spectrophotometer jenway model 7310, UK
	2	• Grass Polygraph, Model D7 (4 Channels, with tachograph), USA
	5	• P23XL, Blood Pressure transducer, Grass technologies, USA • PT300, Blood Pressure transducer, Grass technologies, USA • Force displacement transducers, Grass technologies, USA
	2	• Palmer Harris electronic stimulator • Grass model 548 stimulator, Grass technologies, USA
	1	• Electronic precision Balance, Mettler-Toledo, Switzerland
	1	• Branson 450CE Sonifier Cell Disrupter, UK
	1	• Vortex, Poland
	1	• PowerLab Data acquisition system with LabChart pro software for Data acquisition system, AD instrument, Australia
	1	• Computer Core 2 Duo Centra, Egypt
	1	• Deep Freezer, Phillips, Holland



أجهزة معمل أبحاث الدور الرابع- ملحق معمل الطلبة - المبنى القديم(145) Room

المسئول عنه	العدد	اسم الجهاز
Demonstrators working in the lab: • Mohammed Khatib • Asser Ahmed • Hager Hamdy • Rasha Mahfouz	1	• Kinematic Polytron, Kinematica instruments, Switzerland
	1	• Spectrophotometer, Lambda, Perkin Elmer, USA
	1	• Thermostatically controlled boiling water bath, Egypt
	1	• Magnetic stirrer, Gallenkamp, UK
	1	• Shaking water bath, Medingen, Germany
	1	• Digital Balance, Acculab, UK
	1	• Isoflurane anaesthetic device, Egypt
	1	• Hot oven, Ecocell, Germany
	1	• Centrifuge, Hettich, Germany
	1	• Electronic VonFrey
	1	• Analgesy meter

أجهزة معمل الطلبة الدور الرابع - المبنى القديم(145) Room

المسئول عنه	العدد	اسم الجهاز
	1	• Shaking water bath, GFL, Germany
	1	• Stainless steel Water Distiller (8L/H), Italy
	1	• SG Water de-ionizer, Siemens, Germany
	1	• Refrigerator 18 feet, Goldy, Egypt



أجهزة معمل المحاكاة الدور الخامس - المبنى القديم

المسئول عنه	العدد	اسم الجهاز
Technicians: • Ehab Fathi	67	• Computer Core 2 Duo, HP, China
	1	• Software for teacher class control
	1	• Data Show with Ceiling attachment unit
	1	• Screen 180 X 180 cm
	1	• White Board

أجهزة معمل أبحاث الدور الخامس - المبنى القديم (151) Room

المسئول عنه	العدد	اسم الجهاز
Demonstrators working in the lab: • Amany El Naggar • Salwa Abu Rageh • Abdullah Morsy • Hager Ali • Mohamed Abdelnaby	1	• PowerLab Data acquisition system with LabChart pro software for Data acquisition system, AD instrument, Australia
	6	• P23XL, Blood Pressure transducer, Grass technologies, USA • TRA021AD, Blood pressure transducer, Panlab. • MLT844 Physiological Pressure Transducer, AD instrument, Australia
	1	• Thermostatically controlled water bath
	2	• Computer Core 2 Duo, Lenovo, China
	2	• Analytical balance, AD instrument, UK
	1	• Stainless steel Water Distiller (8L/H), Italy
	1	• Digital single beam spectrophotometer jenway model 7310, UK
	1	• Refrigerator 18 feet, Keriazy, Egypt
	1	• PH meter HANN – PH 211, Italy
	2	• Cooling centrifuge, Hettich, Germany • Bench top centrifuge, Hettich, Germany
	1	• Drying Oven
	2	• Heater Circulator (analogue), Cole Palmer,



جامعة الإسكندرية
كلية الصيدلة
قسم علم الأدوية و السموم
دليل القسم 2020

		USA
		• Heater Ciirculator (Digital), Italy
	1	• Documentary Camera (Visual presenter), Avera Vision, USA
	1	• Binocular Microscope, B-130, Optika, Italy
	2	• Peristaltic Pump, Master Flex, USA
	1	• C-DiGit Blot Scanner, LI-COR, USA
	1	• Maxi power supply CS-3AMP – 300V, Cleaver scientific, UK
	1	• Four-blot inserts with 4 blotting cassettes VS10BI, Cleaver scientific, UK
	1	• Mini-vertical unit casting base and external casting stand CVS10DSYS-CU, Cleaver scientific, UK
	1	• Semi Dry Blotter maxi system SD20, Cleaver scientific, UK
	1	• Rocking Shaker CS-NRK, Cleaver scientific, UK
	1	• Homogenizer T25 digital ULTRA-TURRAX®, IKA, Germany
	1	• Impulse sealer F-200, China

بيت الحيوان الدور السادس - المبنى القديم

المسئول عنه	العدد	اسم الجهاز
Demonstrators working in the lab: • Soliman Ahmed • Wael Abdou	5	• Air Conditioner
	250	• Plastic cages for rat housing
	2	• Rabbit housing unit
	25	• Steel stands for rat cages

أجهزة معمل الطلبة الدور السابع - المبنى الجديد

المسئول عنه	العدد	اسم الجهاز
Technicians: • Mohamed Hassan • Sara Salem • Samir Bekhit	2	• Computer Core 2 Duo, Egypt
	1	• Data Show with Ceiling attachment unit



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

	1	Screen 180 X 180 cm
	3	Colorimeters
	2	Digital single beam spectrophotometer jenway model 6300, UK
	5	Automatic pipettes
	1	Stainless steel Water Distiller (8L/H), Italy
	45	- Kymographs, Harvard apparatus, UK (15) - Kymographs, UK (20) - Kymographs, Egypt (10)
	50	- Water baths (45) - Thermostatically controlled boiling water bath (5)
	2	- Refrigerator 35 feet, Italy - Refrigerator 12 feet, Egypt



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

رسائل ماجستير تم التسجيل لها فى القسم فى الفترة من 2006 الى 2020

اسم الطالب	تاريخ التسجيل	الدرجة العلمية	موضوع البحث	لجنة الإشراف	تاريخ الحصول على الدرجة
نور محمد عادل نور الدين	12/06/2006	ماجستير	Study of the antiinflammatory and analgesic profiles of some newly synthesized pyrazole derivatives	أ.د. محمود محي الدين أ.د. عزة عريان بسطوروس أ.د. أحمد ابراهيم الملاح د. أميرة مصطفى سنبل	09/11/2009
اسامة فتح الله محمد حراز	17/06/2007	ماجستير	Investigation of the hemodynamic interaction between ethanol and antihypertensive medications in rats with acute renal failure	أ.د. عبد الرحيم غزال أ.د. محمود محمد محي الدين أ.د. محمود محمد محمود الماس د. حنان محمد سمير الجويلي	09/11/2009
خالد سليمان حامد عبد الرحمن	17/06/2007	ماجستير	vasculoprotective Effect of Pioglitazone on Cyclosporine-Induced Vascular Damage in Rats	أ.د. عبد الجليل أحمد عبد الجليل أ.د. محمود محمد محمود الماس أ.د. ايفان ابراهيم سعد د. حنان محمد سمير الجويلي	09/11/2009
مبروكة عمر جمعة شريحة (ليبية)	14/04/2008	ماجستير	The role of oxidative stress and nitric oxide in the hepatotoxic effect of rifampicin and isoniazid combination	أ.د. عزة عريان بسطوروس أ.د. ايفان ابراهيم سعد د. سحر محمود الجويلي	09/11/2009
مروة بكير محمد بكير	14/04/2008	ماجستير	Assessment of the effects of short and long term administration of atrovastatin on the liver in rats	أ.د. محمود فراج أ.د. ايفان ابراهيم سعد د. منى عبد الرازق سلامة	13/06/2011



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

اسم الطالب	تاريخ التسجيل	الدرجة العلمية	موضوع البحث	لجنة الإشراف	تاريخ الحصول على الدرجة
محمد امين السيد صبرى فوده	08/09/2008	ماجستير	Estrogen modulation of the adverse cardiovascular effects of nicotine in female rats	أ.د. محمود محمد محمود الماس أ.د. ايفان ابراهيم سعد د. سحر محمود الجويلي	16/12/2010
أبنى محمد عبد المنعم	13/10/2008	ماجستير	Study of the interaction of cyclooxygenase and nitric oxide in ischemic acute renal failure in rats	أ.د. تحية توفيق دعبس أ.د. حسنى فؤاد د. امل جلال عمر د. اميرة مصطفى سنبل	—
احمد محمد محمد ابراهيم حشاد	14/09/2009	ماجستير	A study of the interaction of synaptic transmission modulators with sildenafil	أ.د. فؤاد مصطفى شرابي أ.د. تحية توفيق دعبس د. اميرة مصطفى سنبل	14/02/2012
سمر اسامة السيد الجنائى	12/10/2009	ماجستير	Potential role of angiotensin11 in pathogenesis of peptic ulcer in rats	أ.د. عزة عريان بسطوروس د. نيفين عبد المحسن النزهى د. طاهر الشرقاوي	—
هدير عماد الدين مصطفى عبدالرازق	14/09/2010	ماجستير	Investigation of the possible interaction between dopamine and synaptic modulators at neuromuscular junction	أ.د. محمود محي الدين أ.د. محمد صلاح ابوزيتحار أ.د. عزة عريان بسطوروس د. نيفين عبد المحسن النزهى	—
نيهال فؤاد سليم منصور كبابى	11/10/2010	ماجستير	Suppressive proteins: an innovative therapeutic approach for cancer cells	أ.د. مصطفى شرابي أ.د. اشرف عبد السلام خليل	—
لمياء لطفي محمود عبد الحميد	11/10/2010	ماجستير	Standardization of in vivo drug assessment protocol for testing antidiabetic plants: effect and possible mechanism of action of Fabaceae beans	أ.د. عزة عريان بسطوروس أ.د. عبد الله عبد الرزاق أ.د. مها الدوملاوي د. اميرة مصطفى سنبل	—



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

اسم الطالب	تاريخ التسجيل	الدرجة العلمية	موضوع البحث	لجنة الإشراف	تاريخ الحصول على الدرجة
احمد مصطفى محمد ابو زيد السيد	14/02/2011	ماجستير	Role of nitrenergic and/or endothelin modulation in the cisplatin induced acute renal failure in male rats	أ.د. محمود محي الدين د. مي مصطفى حلمي د. ماجد وصفي	—
لمياء خيرى امين عبد العال السلكاوى	14/03/2011	ماجستير	Adenosinergic and estrogenic modulation of the interaction of nicotine with the renal vasculature in female rats	أ.د. محمود محمد الماس د. حنان الجويلي	—
صفاء شحاتة عبدالمنعم محمد طه	12/10/2011	ماجستير	Potential deleterious effects of some heavy metals on erectile functions in rats	أ.د. إيفان إبراهيم أ.د. حسنى فؤاد د. أميرة سنبل	—
مروه يوسف محمد احمد سلام	15/11/2011	ماجستير	Modulatory role of cyclosporine on the adverse cardiovascular effects of endotoxemia	أ.د. عبد الجليل احمد عبد الجليل أ.د. محمود محمد الماس د. سحر الجويلي	—
ايناس رجب ابراهيم النمروس (ليبية)	06/02/2012	ماجستير	Comparative Study of Some Selected Remedies for Protection against Experimentally-Induced Ulcerative Colitis in Rats	أ.د. محمد صلاح ابوزيتحار أ.د. إيفان إبراهيم سعد د. حنان الجويلي	—
رباب محمد علي	06/03/2012	ماجستير	Renal and hemodynamic effects of cyclosporine and nonsteroidal anti-inflammatory drugs in rats	أ.د. محمود محمد محمود الماس د. ماجد وصفي د. حنان الجويلي	—



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

هبة محمد عبد المنعم	9/10/2012	ماجستير	Interaction between potassium channels modulators and some chemical transmitters in the corpus cavernosum in experimental animals	أ.د فؤاد شرابي أ.د محمود محي الدين أ.د اميره سنبل	—
سلوى أبوراجح سعيد	9/10/2012	ماجستير	Potential protective effect of some serotonin receptor modulator on experimentally-induced gastric ulcers	أ.د.تحية توفيق دعيبس أ.د.إيفان أبراهيم سعد د.نيفين عبد المحسن النزهى	—
مى محمد رجب محمد بركات	9/10/2012	ماجستير	Effect of some antidiabetic and antihyperlipidemic drugs on experimentally induced gastric ulcers	أ.د.عزة عريان بسطوروس أ.د.محمد صلاح ابوزيتحار أ.د.إيهاب طلعت عبد الرحيم د.نيفين عبد المحسن النزهى	—
ياسمين عطيه حسن سعيد	13/10/2013	ماجستير	Possible protective effect of vitamin D and angiotensin11 modulators in experimentally induced fibrosis	أ.د.إيفان أبراهيم سعد أ.م سحر الجويلي د. مها السيد حسين	—
كريم سامى السيد	14/11/2013	ماجستير	Hemoxygenase modulation of the hemodynamic interaction between cyclosporine and nonsteroidal antiinflammatory drugs in rats	أ.د. محمود محمد محمود الماس أ.د.حنان الجويلي أ.م أحمد فوزى الياظبي	—
أمانى السيد حسين النجار	13/10/2013	ماجستير	Modulatory effect of ivabradine on autonomic neurotransmission :implication in experimentally –induced heart failure	أ.د فؤاد شرابي أ.م سحر الجويلي	—



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

محمد عبد الواحد الخطيب	15/9/2015	ماجستير	Modulatory effect of oral antidiabetic drugs on vascular and hemodynamic dysfunction induced by high-calorie diet in rats	أ.د حسنى فؤاد محمد أ.د. ايفان إبراهيم سعد د. احمد فوزى الياظبى	—
وسام السيد بسيونى	15/9/2015	ماجستير	Differential effects of prostaglandins modulators on some tissues of genitourinary tract in rats	أ.د.تحية توفيق دعبس إم اميره سنبل	—
محمد عبدالله اللقانى	10/11/2015	ماجستير	Nicotine interaction with sex related hemodynamic and inflammatory influences of endotoxemia in rats.	أ.د. محمود محمد محمود الماس أ.د.حنان الجويلي د. محمد امين فوده	—
إسراء عبد اللطيف سعيد	12/1/2016	ماجستير	Pharmacological modulation of the effect of bile duct ligation on experimentally induced peptic ulceration in rats.	أ.د محمد عبد الصمد أ.د.عزة عريان بسطوروس د.نيفين عبد المحسن النزهى	—
عبدالله مرسى سعد ودين		ماجستير	Interaction of nicotine with renal inflammation and vascular changes Induced by endotoxemia in rats	أ.د/ محمود الماس أ.م د/ سحر محمود عزمى الجويلى	
رشا سليمان جاب الله		ماجستير	A Comparative Study of Selected Remedies for Protection Against Experimentally-Induced Gastrointestinal Lesions in Rats	أ.د/ محمد صلاح أبوزيتحار أ.د/ حنان محمد سمير الجويلى أ.م/ مى مصطفى حلمى	
هاجر حمدي بسيونى شعبان		ماجستير	A Comparative study for the effect of different anti diabetic drugs on experimentally induced non-alcoholic fatty liver disease in rats	أ.د/ أحمد إبراهيم الملاح أ.م/ أحمد وحيد محمود	



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

أسر أحمد فوزى أحمد		ماجستير	Role of ion channels in modulation of morphine antinociceptive effect in experimental liver fibrosis	أ.د/ الهام عوض عفيفي أ.م/ أحمد وحيد محمود	
هاجر على إبراهيم مرجان		ماجستير	Pharmacotherapy of renal damage caused by endotoxemia in preeclamptic rats and their offspring	أ.د/ محمود الماس أ.د/ سحر محمود عزمى الجويلى	
رشا محفوظ بدر محمد		ماجستير	Effect of potassium channel modulators on transient receptor potential vanilloid 1 in experimental neuropathic pain in rats	أ.د/ فؤاد مصطفى شرابى أ.د/ الهام عوض عفيفي	
إيفلين مجدى عوض جرجس		ماجستير	Interaction of prostaglandin modulators with some pathways involved in bladder dysfunction in rats	أ.د/ تحية توفيق دعبس أ.د/ أميرة مصطفى سنبل أ.د/ مى مصطفى حلمى	
Evans Ochoki Ayienga (كينى الجنسيه)		ماجستير	Effect of morphine on inflammation and cognitive deficits induced by sepsis in rats	أ.د/ سحر محمود عزمى الجويلى أ.د/ الهام عوض عفيفي	



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

رسائل دكتوراة فى الفلسفة تم التسجيل لها فى القسم فى الفترة من 2006 الى 2020

اسم الطالب	تاريخ التسجيل	الدرجة العلمية	موضوع البحث	لجنة الإشراف	تاريخ الحصول على الدرجة
مي مصطفى محمد حسين حلمي	10/05/2006	دكتوراة	Hemodynamic interaction between cyclosporin and centrally acting antihypertensive agents	أ.د. محمود محمد محي الدين أ.د. محمود محمد محمود الماس د. امال عمر	12/10/2009
ماجد وصفي حلمي ويصا	10/05/2006	دكتوراة	Evaluation of the anticarcinogenic action of drugs with a possible novel targets for treatment of experimentally induced breast cancer in rats	أ.د. أحمد ابراهيم الملاح أ.د. ريموندا أدوارد رزق. د. سعد صدقي.	12/10/2009
ايمان يسرى محمود جوهر	14/03/2011	دكتوراة	Mechanistic studies of the chronic renovascular effects of nicotine in rats with surgical menopause	أ.د. محمود محمد الماس د. سحر الجويلي	
نور محمد عادل نورالدين	14/03/2011	دكتوراة	Study of the effects of non-steroidal anti-inflammatory drugs on erectile process in rats	أ.د. محمود محمد محي الدين د. اميرة سنبل	
محمد امين السيد صبرى فوده	12/10/2011	دكتوراة	Role of estrogenic pathways of nitric oxide synthase and hemeoxygenase in the hemodynamic effects of nicotine in female rats	أ.د. محمود محمد الماس د. حنان الجويلي	



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

مروة يوسف محمد سلام	دكتورة	Central and peripheral mechanisms of the interaction of nicotine with the cardiovascular effects of endotoxemia in male rats	أ.د/ محمود محمد محمود الماس أ.م.د/ سحر محمود عزمى الجويلى	
صفاء شحاتة عبد المنعم	دكتورة	Potential toxic effects of lead, cadmium and iron on some functions of the urogenital tract in male rats	أ.د/ تحية توفيق دعبس أ.م.د/ أميرة مصطفى سنبل	
سلوى أبوراجح سعيد	دكتورة	Effect of endotoxemia on maternal and fetal cardiovascular programming in preeclamptic rats: Role of renin-angiotensin system modulators	أ.د/ محمود محمد محمود الماس أ.د/ سحر محمود عزمى الجويلى أ.م/ مى مصطفى حلمى	
أمانى السيد حسين النجار	دكتورة	Role of central adenosine receptors in nicotine counteraction of neuroinflammatory and cardiovascular damage in septic rats	أ.د/ سحر محمود عزمى الجويلى أ.د/ مى مصطفى حلمى	



قائمة الاوراق البحثية المنشورة فى المجلات العلمية فى الفترة من 2007 الى 2020

I-Full-Length Articles

2020

1. Wedn, A.M., El-Gowilly, S.M., El-Mas, M.M. (2020): The $\alpha 7$ -nAChR/heme oxygenase-1/carbon monoxide pathway mediates the nicotine counteraction of renal inflammation and vasoconstrictor hyporeactivity in endotoxic male rats. *Inflammation Research* Volume 69, Issue 2, 1 February 2020, Pages 217-231
2. Wedn, A.M., El-Gowilly, S.M., El-Mas, M.M. (2020): Time and sex dependency of hemodynamic, renal, and survivability effects of endotoxemia in rats. *Saudi Pharmaceutical Journal* Volume 28, Issue 1:(127-135)
3. Ahmed AH Abdellatif, Sabah H Elgayed, Elham A Afify, Hanan A Amin (2020) Estrogenic Effect of *Salvia officinalis* Extract on Reproductive Function of Female Mice and Identification of Its Phenolic Content. *Combinatorial chemistry & high throughput screening*
4. Neveen A. Elnozahi, Esraa A. Said, Azza E. Bistawroos and Rania G. Aly. Effect of sodium butyrate on gastric ulcer aggravation and injury inflicted by bile duct ligation in rats. *Saudi Pharmaceutical Journal.*, (2020), 28 : 675–682

2019

1. 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.
2. 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 Schmiedeberg's Arch Pharmacol.* 2019 Apr;392(4):437-450.
3. 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.



4. **Helmy MM**, Helmy MW, El-Mas MM. Upregulation of cystathionine-γ lyase/hydrogen sulfide pathway underlies the celecoxib counteraction of cyclosporine-induced hypertension and renal insult in rats. Prostaglandins Other Lipid Mediat. 2019 Apr;141:1-10.
5. **Helmy MM**, Mouneir SM. Reno-protective effect of linagliptin against gentamycin nephrotoxicity in rats. Pharmacol Rep. 2019 Dec;71(6):1133-1139.
6. S Domiati, M Mehanna, H Ragab, KHA El Galil, H Nakkash-Chmaisse, ElMallah,A.I; Elucidation of the molecular mechanism underlying the anti-inflammatory activity of an effective and safe bipyrazole-based compound (2019). Inflammation Research, 1-8.
7. SO El-Ganainy, A ElMallah, D Abdallah, MM Khattab, AS El-Khatib; A novel investigation of statins myotoxic mechanism: effect of atorvastatin on respiratory muscles in hypoxic environment (2019). Toxicology letters 305, 58-64
8. Awwad ZM, El-Ganainy SO, ElMallah AI, Khattab MM4, El-Khatib AS. Telmisartan and captopril ameliorate pregabalin-induced heart failure in rats (2019). Toxicology. Dec 1.
9. Awwad ZM, El-Ganainy SO, ElMallah AI, Khedr SM, Khattab MM, El-Khatib AS. Assessment of Pregabalin-Induced Cardiotoxicity in Rats: Mechanistic Role of Angiotensin 1-7 (2019). Cardiovasc Toxicol. Nov 12.
10. Wedn, A.M., El-Gowilly, S.M., El-Mas, M.M. (2019): Nicotine reverses the enhanced renal vasodilator capacity in endotoxic rats: Role of $\alpha 7/\alpha 4\beta 2$ nAChRs and HSP70. Pharmacological Reports. Volume 71, Issue 5, (782-793)
11. Nasser SA, Afify EA (2019) Sex differences in pain and opioid mediated Life Sci. 2019 Oct 12:116926. .antinociception: Modulatory role of gonadal hormones doi: 10.1016/j.lfs.2019.116926. [Epub ahead of print] Review.
12. Wedn AM, El-Gowilly SM, El-Mas MM (2019). Nicotine improves survivability, hypotension, and impaired adenosinergic renal vasodilations in endotoxic rats: Role of $\alpha 7$ -nAChRs/HO-1 pathway. Shock, In Press.
13. El-Mas MM, Abdel-Rahman AA (2019). Role of Alcohol Oxidative Metabolism in Its Cardiovascular and Autonomic Effects. Adv Exp Med Biol 1193:1-33.
14. Sallam MY, El-Gowilly SM, Fouda MA, Abd-Alhaseeb MA, El-Mas MM Brainstem cholinergic pathways diminish cardiovascular and neuroinflammatory actions of endotoxemia in rats: Role of NFκB/ $\alpha 7/\alpha 4\beta 2$ AChRs signaling. Neuropharmacology 157, 107683



2018

1. Helmy MM, Hashim AA, Mouneir SM. Zileuton alleviates acute cisplatin nephrotoxicity: Inhibition of lipoxygenase pathway favorably modulates the renal oxidative/inflammatory/caspase-3 axis. *Prostaglandins Other Lipid Mediat.* 2018 Mar;135:1-10. doi: 10.1016/j.prostaglandins.2018.01.001. Epub 2018 Feb 4.
2. Helmy MW, Helmy MM, El-Mas MM. Enhanced lipoxygenase/LTD4 signaling accounts for the exaggerated hypertensive and nephrotoxic effects of cyclosporine plus indomethacin in rats. *Biomed Pharmacother.* 2018 Jun;102:309-316. doi: 10.1016/j.biopha.2018.03.065. Epub 2018 Mar 22.
3. Hashim AA, Helmy MM, Mouneir SM. Cysteinyl leukotrienes predominantly mediate cisplatin-induced acute renal damage in male rats. *J Physiol Pharmacol.* 2018 Oct; 69(5). doi: 10.26402/jpp.2018.5.12. Epub 2019 Jan 21.
4. Domiati S, Mehanna M, Ragab H, Nakkash Chmaisse H, El Mallah A. J Investigation of chronic efficacy and safety profile of two potential antiinflammatory bipyrazole-based compounds in experimental animals (2018). *Inflamm Res.* 3;11:143-153.
5. MM Mehanna, S Domiati, HN Chmaisse, A El Mallah, Antinociceptive effect of tadalafil in various pain models: Involvement of opioid receptors and nitric oxide cyclic GMP pathway (2018). *Toxicology and applied pharmacology* 352, 170-175
6. El-Naggar, A.E., El-Gowilly, S.M., Sharabi, F.M. The possible ameliorative effect of ivabradine on the autonomic and left ventricular dysfunction induced by doxorubicin in male rats. *Journal of Cardiovascular Pharmacology* , 72 (1), 22-31, 2018
7. El-Lakany MA, Fouda MA, El-Gowelli HM, El-Gowilly SM, El-Mas MM. Gonadalhormone receptors underlie the resistance of female rats to inflammatory andcardiovascular complications of endotoxemia. *Eur J Pharmacol.* 2018 Mar15;823:41-48.
8. Fouda MA, El-Gowelli HM, El-Gowilly SM, El-Mas MM. Hemin blunts the depressanteffect of chronic nicotine on reflex tachycardia via activation of centralNOS/PI3K pathway in female rats. *Pharmacol Rep.* 2018 Jun;70(3):455-462.
9. Sallam MY, El-Gowilly SM, Abdel-Galil AA, El-Mas MM. Activation of centralGABA(B) receptors offsets the cyclosporine counteraction of endotoxiscardiovascular outcomes in conscious rats. *Fundam Clin Pharmacol.* 2018Oct;32(5):485-498.



10. Sallam MY, El-Gowilly SM, El-Gowell HM, El-Lakany MA, El-Mas MM. Additive counteraction by $\alpha 7$ and $\alpha 4\beta 2$ -nAChRs of the hypotension and cardiac sympathovagal imbalance evoked by endotoxemia in male rats. *Eur J Pharmacol*. 2018 Sep 5;834:36-44.
11. Bassiouni, W.M., Senbel, A.M., Daabees, T.T. (2018) Effect of some cyclooxygenase inhibitors on rat isolated corpus cavernosum and their possible interaction with nitric oxide pathway *Journal of Pharmacological and Toxicological Methods* 93: 153
12. Hammoud SH, Alkhansa S, Mahjoub N, Omar AG, El-Mas MM, Eid AA (2018). Molecular basis of the counteraction by calcium channel blockers of cyclosporine nephrotoxicity. *Am J Physiol Renal Physiol*. 315(3):F572-F582.
13. Sallam MY, El-Gowilly SM, Abdel-Galil AA, El-Mas MM (2018). Activation of central GABAB receptors offsets the cyclosporine counteraction of endotoxic cardiovascular outcomes in conscious rats. *Fundam Clin Pharmacol* 32, 485-498.
14. Sallam MY, El-Gowilly SM, El-Gowell HM, El-Lakany M, El-Mas MM (2018). Additive counteraction by $\alpha 7$ and $\alpha 4\beta 2$ nAChRs of the hypotension and cardiac sympathovagal imbalance evoked by endotoxemia in male rats. *Eur J Pharmacol*, 834, 36–44.
15. Fouda MA, El-Gowell HM, El-Gowilly SM, El-Mas MM (2018). Hemin blunts the depressant effect of chronic nicotine on reflex tachycardia via activation of central NOS/PI3K pathway in female rats. *Pharmacol Rep* 70, 455–462.
16. Helmy MW, Helmy MM, El-Mas MM (2018). Enhanced lipoxygenase/LTD4 signaling accounts for the exaggerated hypertensive and nephrotoxic effects of cyclosporine plus indomethacin in rats. *Biomed Pharmacother* 102, 309-316.
17. Ibrahim KS, El-Yazbi AF, El-Gowell HM, El-Mas MM (2018). Heme oxygenase byproducts variably influences myocardial and autonomic dysfunctions induced by the cyclosporine/diclofenac regimen in female rats. *Biomed Pharmacother* 101, 889-897.
18. El-Yazbi AF, Eid AH, El-Mas MM (2018). Cardiovascular and renal interactions between cyclosporine and NSAIDs: Underlying mechanisms and clinical relevance. *Pharmacol Res* 129, 251–261.
19. El-Lakany MA, Fouda MA, El-Gowell HM, El-Gowilly SM, El-Mas MM (2018). Gonadal hormone receptors underlie the resistance of female rats to inflammatory and cardiovascular complications of endotoxemia. *Eur J Pharmacol* 823, 41-48.



2017

1. Sallam MY, El-Gowilly SM, Abdel-Galil AA and El-Mas MM. Cyclosporine Ameliorates Reductions in Blood Pressure and Heart Rate Variability Caused by Endotoxemia in Rats: Modulation by Central PI3K/sGC/MAPKs Signaling. *Eur J Pharmacol* 2017 797: 143–152.
2. El-Bassossy HM, Awan Z, El-Mas MM (2017). Perinatal ciclosporin A exposure elicits sex-related cardiac dysfunction and inflammation in the rat progeny, *Toxicol Lett*, 281, 35-43.
3. Hammoud SH, Omar AG, Eid AA, El-Mas MM (2017). CYP4A/CYP2C modulation of the interaction of calcium channel blockers with cyclosporine on EDHF-mediated renal vasodilations in rats. *Toxicol Appl Pharmacol*, 334, 110-119.
4. El-Gowell HM, Ibrahim KS, El-Yazbi AF, El-Mas MM (2017). Role of NADPHox/Rho-kinase signaling in the cyclosporine-NSAIDs interactions on blood pressure and baroreflexes in female rats. *Life Sci* 185, 15-22.
5. Ibrahim KS, El-Yazbi AF, El-Gowell HM, El-Mas MM (2017). Opposite modulatory effects of selective and nonselective cyclooxygenase inhibition on cardiovascular and autonomic consequences of cyclosporine in female rats. *Basic Clin Pharmacol Toxicol* 120, 571–581.
6. El-Yazbi AF, Ibrahim KS, El-Gowell HM, El-Deeb NM, El-Mas MM (2017). Modulation by NADPH oxidase of the chronic cardiovascular and autonomic interaction between cyclosporine and NSAIDs in female rats. *Eur J Pharmacol* 806, 96–104.
7. El-Bassossy HM, Banjar ZM, El-Mas MM (2017). The inflammatory state provokes sexual dimorphism in left ventricular and electrocardiographic effects of chronic cyclosporine in rats. *Sci Rep* 7, 42457.
8. Sallam MY, El-Gowilly SM, Abdel-Galil AA, El-Mas MM (2017). Cyclosporine counteracts endotoxemia-evoked reductions in blood pressure and cardiac autonomic dysfunction via central sGC/MAPKs signaling in rats. *Eur J Pharmacol* 797, 143-152.
9. Elham A. Afify, and Najlaa M. Andijani (2017) Potentiation of morphine-induced antinociception by propranolol: the involvement of dopamine and GABA systems. *Front. Pharmacol.* November 2017 |Volume 8| Article 794 | doi: 10.3389/fphar.2017.00794.
10. Mahmoud A. Ragab, Heba A. Abd El Razik , Elham A. Afify, Khadiga A. Ismail, Mounir A. Khalil and Nargues S. Habib (2017) Design, synthesis, estrogenic and antiestrogenic activities of some triarylpyrazole derivatives. *Med Chem Res* volume 26 (11): 2785-2808. DOI 10.1007/s00044-017-1977-8



11. Elham A. Afify, Huda M. Alkreathy, Ahmed M. Ali, Hassan A. Alfaifi and Lateef M. Khan (2017) Characterization of the Antinociceptive Mechanisms of Khat Extract (*Catha edulis*) in Mice. *Frontiers in Neurology*, | Volume 8 | Article 69, doi: 10.3389/fneur.2017.
12. Senbel, A.M., Bassiouni, W.M., Daabees, T.T. (2017) Effect of Some Prostanoids Modulators and Cyclooxygenase Inhibitors on Rat Bladder Detrusor Muscle in Normal and Cyclophosphamide- Induced Cystitis *Clinical Therapeutics* 39(8):e75
13. Senbel AM, Abd Elmoneim HM, Sharabi FM, Mohy El-Din MM. (2017). Neuronal voltage gated potassium channels may modulate nitric oxide synthesis in corpus cavernosum. *Frontiers in Pharmacology*, 8, 297 . doi:10.3389/fphar.2017.00297. eCollection 2017
14. - Abd Elmoneim H., Sharabi F., Mohy El Din M., Louedec L., Norel X. , Senbel A. (2017). Potassium channels modulate the synthesis but not the action of hydrogen sulfide in rat corpus cavernosum. *Life Sci.* 2017 Nov 15;189:39-43. doi: 10.1016/j.lfs.2017.09.013. Epub 2017 Sep 14
15. Mohamad Ali Hijazi, Ahmed El-Mallah, Maha Aboul-Ela, and Abdalla Ellakany. Evaluation of Analgesic Activity of *Papaver libanoticum* Extract in Mice: Involvement of Opioids Receptors (2017). *Evidence-Based Complementary and Alternative Medicine*, Volume 2017, ID 8935085.

2016

1. De Miguel C, Speed JS, Kasztan M, Gohar EY, Pollock DM. Endothelin-1 and the kidney: new perspectives and recent findings. *Current opinion in nephrology and hypertension*. 2016;25(1):35-41.
2. El-Gowelli HM, El Sabaa B, Yosry E, El-Saghir H. Histopathological and ultra-structural characterization of local neuromuscular damage induced by repeated phosphatidylcholine/deoxycholate injection. *Experimental and toxicologic pathology : official journal of the Gesellschaft fur Toxikologische Pathologie*. 2016;68(1):39-46.
3. Gohar EY, Giachini FR, Pollock DM, Tostes R. Role of the endothelin system in sexual dimorphism in cardiovascular and renal diseases. *Life sciences*. 2016.
4. Gohar EY, Yusuf C, Pollock DM. Ovarian hormones modulate endothelin A and B receptor expression. *Life sciences*. 2016.
5. Sallam MY, El-Gowilly SM, Abdel-Galil AG, El-Mas MM. Central GABAA receptors are involved in inflammatory and cardiovascular consequences of endotoxemia in conscious rats. *Naunyn-Schmiedeberg's archives of pharmacology*. 2016;389(3):279-88.



6. Senbel AM, Saad EI, Taha SS, Mohamed HF. Different mechanisms for lead acetate, aluminum and cadmium sulfate in rat corpus cavernosum. *Toxicology*. 2016;340:27-33.
7. Wagoner AL, Shaltout HA, Fortunato JE, Diz DI. Distinct neurohumoral biomarker profiles in children with hemodynamically defined orthostatic intolerance may predict treatment options. *American journal of physiology Heart and circulatory physiology*. 2016;310(3):H416-25.

2015

1. Abd-Elrahman KS, Colinas O, Walsh EJ, Zhu HL, Campbell CM, Walsh MP, et al. Abnormal myosin phosphatase targeting subunit 1 phosphorylation and actin polymerization contribute to impaired myogenic regulation of cerebral arterial diameter in the type 2 diabetic Goto-Kakizaki rat. *Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism*. 2015.
2. Abd-Elrahman KS, Walsh MP, Cole WC. Abnormal Rho-associated kinase activity contributes to the dysfunctional myogenic response of cerebral arteries in type 2 diabetes. *Canadian journal of physiology and pharmacology*. 2015;93(3):177-84.
3. Allam AN, Komeil IA, Fouda MA, Abdallah OY. Preparation, characterization and in vivo evaluation of curcumin self-nano phospholipid dispersion as an approach to enhance oral bioavailability. *International journal of pharmaceutics*. 2015;489(1-2):117-23.
4. AlQot HE, Elnozahi NA, Mohy El-Din MM, Bistawroos AE, AbouZeit-Har MS. Facilitatory effect of dopamine on neuromuscular transmission mediated via dopamine D1-like receptors and prospective interaction with nicotine. *European journal of pharmacology*. 2015;765:51-7.
5. Ashour AA, Raafat D, El-Gowell HM, El-Kamel AH. Green synthesis of silver nanoparticles using cranberry powder aqueous extract: characterization and antimicrobial properties. *International journal of nanomedicine*. 2015;10:7207-21.
6. 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. Ex vivo relaxations of pulmonary arteries induced by prostacyclin mimetics are highly dependent of the precontractile agents. *Prostaglandins & other lipid mediators*. 2015;121(Pt A):46-52..
7. El-Bassossy HM, Shaltout HA. Allopurinol alleviates hypertension and proteinuria in high fructose, high salt and high fat induced model of metabolic syndrome. *Translational research : the journal of laboratory and clinical medicine*. 2015;165(5):621-30.



8. El-Gowell HM, El-Mas MM. Central modulation of cyclosporine-induced hypertension. *Naunyn-Schmiedeberg's archives of pharmacology*. 2015;388(3):351-61.
9. El-Gowell HM, Saad EI, Abdel-Galil AG, Ibrahim ER. Co-administration of alpha-lipoic acid and cyclosporine aggravates colon ulceration of acetic acid-induced ulcerative colitis via facilitation of NO/COX-2/miR-210 cascade. *Toxicology and applied pharmacology*. 2015;288(3):300-12.
10. El-Gowilly SM, Helmy MM, El-Gowell HM. Pioglitazone ameliorates methotrexate-induced renal endothelial dysfunction via amending detrimental changes in some antioxidant parameters, systemic cytokines and Fas production. *Vascular pharmacology*. 2015;74:139-50.
11. El-Mas MM, Abdel-Rahman AA. Estrogen modulation of the ethanol-evoked myocardial oxidative stress and dysfunction via DAPK3/Akt/ERK activation in male rats. *Toxicology and applied pharmacology*. 2015;287(3):284-92.
12. El-Mas MM, Helmy MW, Ali RM, El-Gowell HM. Celecoxib, but not indomethacin, ameliorates the hypertensive and perivascular fibrotic actions of cyclosporine in rats: role of endothelin signaling. *Toxicology and applied pharmacology*. 2015;284(1):1-7.
13. El-Yazbi AF, Abd-Elrahman KS, Moreno-Dominguez A. PKC-mediated cerebral vasoconstriction: Role of myosin light chain phosphorylation versus actin cytoskeleton reorganization. *Biochemical pharmacology*. 2015;95(4):263-78.
14. Fan M, El-Mas MM, Abdel-Rahman AA (2015). Preserved left ventricular performance in spontaneously hypertensive rats following preload and afterload challenges.
15. Faour WH, Mroueh M, Daher CF, Elbayaa RY, Ragab HM, Ghoneim AI, ElMallah AI, Ashour HM. Synthesis of some new amide-linked bipyrazoles and their evaluation as anti-inflammatory and analgesic agents. *Journal of enzyme inhibition and medicinal chemistry*. 2015:1-16.
16. Fouda MA, El-Gowell HM, El-Gowilly SM, El-Mas MM. The estrogen-dependent baroreflex dysfunction caused by nicotine in female rats is mediated via NOS/HO inhibition: Role of sGC/PI3K/MAPKERK. *Toxicology and applied pharmacology*. 2015;289(3):466-73.
17. Harraz OF, Brett SE, Zechariah A, Romero M, Puglisi JL, Wilson SM, et al. Genetic ablation of CaV3.2 channels enhances the arterial myogenic response by modulating the RyR-BKCa axis. *Arteriosclerosis, thrombosis, and vascular biology*. 2015;35(8):1843-51.
18. Harraz OF, Visser F, Brett SE, Goldman D, Zechariah A, Hashad AM, et al. CaV1.2/CaV3.x channels mediate divergent vasomotor responses in human cerebral arteries. *The Journal of general physiology*. 2015;145(5):405-18.



19. Helmy MM, Helmy MW, El-Mas MM. Additive Renoprotection by Pioglitazone and Fenofibrate against Inflammatory, Oxidative and Apoptotic Manifestations of Cisplatin Nephrotoxicity: Modulation by PPARs. *PloS one*. 2015;10(11):e0142303.
20. Helmy MW, El-Gowelli HM, Ali RM, El-Mas MM. Endothelin ETA receptor/lipid peroxides/COX-2/TGF-beta1 signalling underlies aggravated nephrotoxicity caused by cyclosporine plus indomethacin in rats. *British journal of pharmacology*. 2015;172(17):4291-302.
21. Jefferson ME, Nicklas BJ, Chmelo EA, Crotts CI, Shaltout HA, Diz DI, et al. Effects of Resistance Training With and Without Caloric Restriction on Arterial Stiffness in Overweight and Obese Older Adults. *American journal of hypertension*. 2015.
22. Raafat KM, Omar AG. Phytotherapeutic activity of curcumol: Isolation, GCMS identification, and assessing potentials against acute and subchronic hyperglycemia, tactile allodynia, and hyperalgesia. *Pharmaceutical biology*. 2015:1-11.
23. Schaich CL, Shaltout HA, Grabenauer M, Thomas BF, Gallagher PE, Howlett AC, et al. Alterations in the Medullary Endocannabinoid System Contribute to Age-related Impairment of Baroreflex Sensitivity. *Journal of cardiovascular pharmacology*. 2015;65(5):473-9.
24. Tegeler CH, Shaltout HA, Tegeler CL, Gerdes L, Lee SW. Rightward dominance in temporal high-frequency electrical asymmetry corresponds to higher resting heart rate and lower baroreflex sensitivity in a heterogeneous population. *Brain and behavior*. 2015;5(6):e00343.

2014

1. Abdelhady S, El-Ashmawy NE, El-Bahrawy H and Fouad H: Cyclooxygenase-independent mechanism of NSAIDs. *Am J PharmTech Res*; 4(1): 453-468, 2014.
2. Chappell MC, Marshall AC, Alzayadneh EM, Shaltout HA, Diz DI. Update on the Angiotensin converting enzyme 2-Angiotensin (1-7)-MAS receptor axis: fetal programming, sex differences, and intracellular pathways. *Frontiers in endocrinology*. 2014;4:201.
3. El-Gowelli HM, Helmy MW, Ali RM, El-Mas MM. Celecoxib offsets the negative renal influences of cyclosporine via modulation of the TGF-beta1/IL- 2/COX-2/endothelinET(B) receptor cascade. *Toxicology and applied pharmacology*. 2014;275(2):88-95.
4. El-Mas MM, Abdel-Rahman AA. Nongenomic effects of estrogen mediate the dose-related myocardial oxidative stress and dysfunction caused by acute ethanol in female rats. *American journal of physiology Endocrinology and metabolism*. 2014;306(7):E740-7.



5. El-Mas MM, Abdel-Rahman AA. Ser/thr phosphatases tonically attenuate the ERK-dependent pressor effect of ethanol in the rostral ventrolateral medulla in normotensive rats. *Brain research*. 2014;1577:21-8.
6. El-Mas MM, Abdel-Rahman AA Endothelial and neuronal nitric oxide synthases variably modulate the estrogen-mediated control of blood pressure and cardiovascular autonomic control. *ClinExpPharmacolPhysiol* 2014; 41, 246-254.
7. El-Mas MM, El-Gowilly SM, Elsalakawy LK, El-Gowell HM. Oestrogen compromises the facilitatory effect of chronic nicotine on adenosine A2B receptor-K(+) channel-mediated renal vasodilation. *Clinical and experimental pharmacology & physiology*. 2014;41(8):600-7.
8. Fortunato JE, Wagoner AL, Harbinson RL, D'Agostino RB, Jr., Shaltout HA, Diz DI. Effect of fludrocortisone acetate on chronic unexplained nausea and abdominal pain in children with orthostatic intolerance. *Journal of pediatric gastroenterology and nutrition*. 2014;59(1):39-43
9. Fouda MA, El-Gowell HM, El-Gowilly SM, Rashed L, El-Mas MM. Impairment of nitric oxide synthase but not hemeoxygenase accounts for baroreflex dysfunction caused by chronic nicotine in female rats. *PloS one*. 2014;9(5):e98681.
10. Gohar EY, El-gowilly SM, El-Gowell HM, El-Demellawy MA, El-Mas MM. PI3K/Akt-independent NOS/HO activation accounts for the facilitatory effect of nicotine on acetylcholine renal vasodilations: modulation by ovarian hormones. *PloS one*. 2014;9(4):e95079.
11. Harraz OF, Abd El-Rahman RR, Bigdely-Shamloo K, Wilson SM, Brett SE, Romero M, et al. Ca(V)3.2 channels and the induction of negative feedback in cerebral arteries. *Circulation research*. 2014;115(7):650-61.
12. Harraz OF, Altier C. STIM1-mediated bidirectional regulation of Ca(2+) entry through voltage-gated calcium channels (VGCC) and calcium-release activated channels (CRAC). *Frontiers in cellular neuroscience*. 2014;8:43.
13. Harraz OF, Brett SE, Welsh DG. Nitric oxide suppresses vascular voltagegated T-type Ca²⁺ channels through cGMP/PKG signaling. *American journal of physiology Heart and circulatory physiology*. 2014;306(2):H279-85.
14. Helmy MM, Helmy MW, Abd Allah DM, Abo Zaid AM, Mohy El-Din MM. Selective ET(A) receptor blockade protects against cisplatin-induced acute renal failure in male rats. *European journal of pharmacology*. 2014;730:133-9.
15. Helmy MW, Helmy MM, Abd Allah DM, Abo Zaid AM, Mohy El-Din MM. Role of nitrgic and endothelin pathways modulations in cisplatin-induced nephrotoxicity in male rats. *Journal of physiology and pharmacology : an official journal of the Polish Physiological Society*. 2014;65(3):393-9.



16. Iman Ibrahim Soliman, Elham Afify, Gaddah Al Shobragi. Evaluation of Extemporaneous Pediatric Gabapentin Suspension Prepared From Gabapentin Capsules. *Lat. Am. J. Pharm.* 33 (5): 746-52 (2014)
17. LaBossiere JR, Pelletier JS, Ali MA, Thiesen A, Schulz R, Bigam DL, Cheung PY. Postresuscitation administration of doxycycline preserves cardiac contractile function in hypoxia-reoxygenation injury of newborn piglets*. *Critical care medicine.* 2014;42(4):e260-9.
18. Lee SW, Gerdes L, Tegeler CL, Shaltout HA, Tegeler CH. A bihemispheric autonomic model for traumatic stress effects on health and behavior. *Frontiers in psychology.* 2014;5:843.
19. Marshall AC, Shaltout HA, Pirro NT, Rose JC, Diz DI, Chappell MC. Enhanced activity of an angiotensin-(1-7) neuropeptidase in glucocorticoid-induced fetal programming. *Peptides.* 2014;52:74-81.
20. Nasser SA, Elmallah AI, Sabra R, Khedr MM, Mohy El-Din MM, El-Mas MM. Blockade of endothelin ETA, but not thromboxane, receptors offsets the cyclosporine-evoked hypertension and interrelated baroreflex and vascular dysfunctions. *European Journal of Pharmacology* 727 (2014) 52–59.
21. Nouredine H, Nakhoul N, Galal A, Soubra L, Saleh M. Level of A1C control and its predictors among Lebanese type 2 diabetic patients. *Therapeutic advances in endocrinology and metabolism.* 2014;5(3):43-52.
22. Schaich CL, Shaltout HA, Brosnihan KB, Howlett AC, Diz DI. Acute and chronic systemic CB1 cannabinoid receptor blockade improves blood pressure regulation and metabolic profile in hypertensive (mRen2)27 rats. *Physiological reports.* 2014;2(8).
23. Senbel AM, Omar AG, Abdel-Moneim LM, Mohamed HF, Daabees TT. Evaluation of L-arginine on kidney function and vascular reactivity following ischemic injury in rats: protective effects and potential interactions. *Pharmacological reports : PR.* 2014;66(6):976-83.
24. Tegeler CH, Lee SW, Shaltout HA. Significance of right anterior insula activity for mental health intervention. *JAMA psychiatry.* 2014;71(3)

2013

1. Abd El-Rahman RR, Harraz OF, Brett SE, Anfinogenova Y, Mufti RE, Goldman D, et al. Identification of L- and T-type Ca²⁺ channels in rat cerebral arteries: role in myogenic tone development. *American journal of physiology Heart and circulatory physiology.* 2013;304(1):H58-71.
2. Afify EA, Khedr MM, Omar AG, Nasser SA. The involvement of K(ATP) channels in morphine-induced antinociception and hepatic oxidative stress in acute and inflammatory pain in rats. *Fundamental & clinical pharmacology.* 2013;27(6):623-31.



3. Ali MA, Kandasamy AD, Fan X, Schulz R. Hydrogen peroxide-induced necrotic cell death in cardiomyocytes is independent of matrix metalloproteinase-2. *Toxicology in vitro : an international journal published in association with BIBRA*. 2013;27(6):1686-92.
4. Castro MM, Fuah J, Ali M, Sung M, Schulz J, Kondo MY, et al. Inhibitory effects of caspase inhibitors on the activity of matrix metalloproteinase-2. *Biochemical pharmacology*. 2013;86(4):469-75.
5. El-Gowell HM, El-Gowilly SM, Elsalakawy LK, El-Mas MM. Nitric oxide synthase/K⁺ channel cascade triggers the adenosine A_{2B} receptor-sensitive renal vasodilation in female rats. *European journal of pharmacology*. 2013;702(1-3):116-25.
6. El-Mas MM, Abdel-Rahman AA. Cardiovascular autonomic modulation by nitric oxide synthases accounts for the augmented enalapril-evoked hypotension in ethanol-fed female rats. *Alcohol (Fayetteville, NY)*. 2013;47(4):339-46.
7. El-Mas MM, El-Gowell HM, Michel MC. Publication trends in NaunynSchmiedeberg's Archives of Pharmacology: focus on pharmacology in Egypt. *Naunyn-Schmiedeberg's archives of pharmacology*. 2013;386(11):929-33.
8. El-Mas MM, Fan M, Abdel-Rahman AA. Role of rostral ventrolateral medullary ERK/JNK/p38 MAPK signaling in the pressor effects of ethanol and its oxidative product acetaldehyde. *Alcoholism, clinical and experimental research*. 2013;37(11):1827-37.
9. Gohar EY, El-gowilly SM, El-Gowell HM, El-Mas MM. Nicotine paradoxically affects the facilitatory effect of ovarian hormones on the adenosine receptor-mediated renal vasodilation. *European journal of pharmacology*. 2013;710(1-3):1-9.
10. Harraz OF, Welsh DG. Protein kinase A regulation of T-type Ca²⁺ channels in rat cerebral arterial smooth muscle. *Journal of cell science*. 2013;126(Pt 13):2944-54.
11. Harraz OF, Welsh DG. T-type Ca²⁺(+) channels in cerebral arteries: approaches, hypotheses, and speculation. *Microcirculation (New York, NY : 1994)*. 2013;20(4):299-306.
12. Marshall AC, Shaltout HA, Nautiyal M, Rose JC, Chappell MC, Diz DI. Fetal betamethasone exposure attenuates angiotensin-(1-7)-Mas receptor expression in the dorsal medulla of adult sheep. *Peptides*. 2013;44:25-31.
13. Marshall AC, Shaltout HA, Pirro NT, Rose JC, Diz DI, Chappell MC. Antenatal betamethasone exposure is associated with lower ANG-(1-7) and increased ACE in the CSF of adult sheep. *American journal of physiology Regulatory, integrative and comparative physiology*. 2013;305(7):R679-88.
14. Mostafa ME, Senbel AM, Mostafa T. Effect of chronic low-dose tadalafil on penile cavernous tissues in diabetic rats. *Urology*. 2013;81(6):1253-9.



15. Nautiyal M, Shaltout HA, de Lima DC, do Nascimento K, Chappell MC, Diz DI. Response to Angiotensin-(1-7) and Bradykinin in Baroreceptor Reflex Sensitivity in Hypertension. *Hypertension*. 2013;61(2):e20.
16. Nazar H, Caliceti, P., Carpenter, B., El-Mallah, A., Fatouros, D., Roldo, D., van der Merwe, S., Tsibouklis.2. A once-a-day dosage form for the delivery of insulin through the nasal route: in vitro assessment and in vivo evaluation *A. Biomater. Sci.*, 2013,1, 306-314
17. Senbel AM, Helmy MM. Lead acetate may cause erectile dysfunction by modulating NO/cGMP pathway in rat corpus cavernosum. *Cell biology and toxicology*. 2013;29(5):355-64.

2012

1. **Afify EA**, Khedr MA, **Omar AG**, Nasser SA (2012). The involvement of K ATP channels in morphine-induced antinociception and hepatic oxidative stress in acute and inflammatory pain in rats [Submitted]
2. **Ali MA**, Chow AK, Kandasamy A, Fan X, West J, Crawford B, Simmen T, Schulz R (2012): Mechanisms of cytosolic targeting of matrix metalloproteinase-2. *J Cell Physiol (in press)*.
3. El-Gayed S, **Afify E**, Mostafa H, Bamane F (2012). Phytoestrogenic effects of sage (*Salvia officinalis*) on Reproductive functions of Mice [manuscript in preparation]
4. **El-Mas MM**, Abdel-Rahman AA (2012). Enhanced catabolism to acetaldehyde in rostral ventrolateral medullary neurons accounts for the pressor effect of ethanol in spontaneously hypertensive rats. *Am J Physiol Heart Circ Physiol* 302, H837-844.
5. **El-Mas MM**, Abdel-Rahman AA (2012). Exacerbation of myocardial dysfunction and autonomic imbalance contribute to the estrogen-dependent chronic hypotensive effect of ethanol in female rats. *Eur J Pharmacol* 679, 95-100.
6. **El-Mas MM**, Fouda MA, **El-gowilly SM**, **Saad EI** (2012). Central estrogenic pathways protect against the depressant action of acute nicotine on reflex tachycardia in female rats. *Toxicol Appl Pharmacol* 258, 410-417.
7. **El-Mas MM**, **Omar AG**, **Helmy MM**, and **Mohy El-Din MM** (2012). Crosstalk between central pathways of nitric oxide and carbon monoxide in the hypertensive action of cyclosporine. *Neuropharmacology* 62, 1890-1896.
8. **Helmy MM** (2012): Potential hepato-protective effect of α -tocopherol or simvastatin in aged rats. *Pharmacological Reports*, 64 (3); [Epub ahead of print].
9. **Helmy MM**, **El-Gowell HM** (2012). Montelukast abrogates rhabdomyolysis-induced acute renal failure via rectifying detrimental changes in antioxidant



- profile and systemic cytokines and apoptotic factors production. Eur J Pharmacol. 2012 Mar 16.
10. **Helmy MM, Senbel AM** (2012): Evaluation of vitamin E in the treatment of erectile dysfunction in aged rats. Life Sci.; Jan 17 [Epub ahead of print].
 11. Diz DI, Garcia-Espinosa MA, **Shaltout HA**, Olson J, Bourland JD and Groban L. Correlation of the Brain Medullary Metabolites N-acetyl Aspartic Acid and N-acetyl Aspartyl Glutamate with the Age Related Decline in Sensitivity for Baroreflex Control of Heart Rate in Humans.
 12. Elsheikh MA, Elnaggar YSR, **Gohar EY**, Abdallah OY (2012). Nanoemulsion Liquid-preconcentrates for Raloxifene Hydrochloride: Optimization and In-vivo Appraisal. Int. J. Nanomed. Manuscript submitted.
 13. Fortunato JE, Diz DI and **Shaltout HA**. Fludrocortisone Acetate Improves Baroreflex Sensitivity and Heart Rate Variability during Tilt in Children with Postural Orthostatic Tachycardia Syndrome. *Submitted to Hypertension*.
 14. Garcia-Espinosa MA, **Shaltout HA**, Gallagher PE, Chappell MC and Diz DI. Angiotensin-(1-7) replacement via gene transfer in the cisterna magna lowers blood pressure and improves baroreflex function in transgenic (mRen2)27 rats. Journal of Cardiovascular Pharmacology, *In press*
 15. Lima D, **Shaltout HA**, Coimbra C, and Diz DI. The Impairment of Hyperglycemia and Pressure Adjustments to Hemorrhage in TGR(ASrAogen) Rats Fed with Hypercaloric Diet. Submitted to American Journal of Physiology - Regulatory, Integrative and Comparative Physiology.
 16. Marshall A, **Shaltout HA**, Nautiyal M, Arter A. Chappell MC and Diz DI. Localization and Regulation of Angiotensin Receptor Subtypes in Sheep Solitary Tract Nucleus: Effects of *In Utero* Exposure to Glucocorticoid. *In preparation* for Hypertension.
 17. **Mohamed A.**, Saavedra L., Di Pardo A., Sipione S., and Posse de Chaves E. A β inhibits protein prenylation and induces cholesterol sequestration by impairing SREBP-2 cleavage. J. Neuroscience 2012 (In press)
 18. Nautiyal M, **Shaltout HA**, Chappell MC and Diz DI. Chronic Intracerebroventricular Angiotensin-(1-7) Infusion, but not AT1 Receptor Blockade, Improves Vagal Components of the Baroreflex Function In Hypertensive (mRen2)27 Transgenic Rats. To be resubmitted to Hypertension.
 19. **Omar MA**, Verma S, Clanachan AS. Adenosine-mediated inhibition of 5'-AMP-activated protein kinase and p38 mitogen-activated protein kinase during reperfusion enhances recovery of left ventricular mechanical function. J Mol Cell Cardiol 2012. In press
 20. Said SS, El-Halfawy OM, **El-Gowell HM**, Aloufy AK, Boraei NA, El-Khordagui LK (2012). Bioburden-responsive antimicrobial PLGA ultrafine fibers for wound healing. Eur J Pharm Biopharm; 80(1):85-94.
 21. Samy W, Elgindy N, **El-Gowell HM** (2012). Biopolymeric nifedipine powder for acceleration of wound healing. Int J Pharm;422(1-2):323-31.



22. **Senbel A, Hashad A, Sharabi FM, Dabees TT** (2012). Guanethidine and propranolol modulate the effect of sildenafil in the corpus cavernosum. *J Pharm Pharmacol*; inpress.
23. **Senbel AM, Hashad A, Sharabi FM, Dabees TT** (2012). Activation of muscarinic receptors inhibits neurogenic nitric oxide in the corpus cavernosum. *Pharmacol Res*; 65: 303– 311.
24. **Shaltout HA**, Abdel-Rahman AA. Acipimox Induced reduction in serum nonesterified fatty acid levels improves cardiovascular indices in conscious rats. *In preparation*.
25. **Shaltout HA**, Abdel-Rahman AA. Mechanism of immunosuppressants induced impairment of baroreflex sensitivity and heart rate variability. *In preparation*.
26. **Shaltout HA**, Chappell MC, Rose JC and Diz DI. Fetal Programming of Metabolic Dysfunction. *In preparation*.
27. **Shaltout HA**, Figueroa JP, Rose JC, Chappell MC, David B. Averill DB and Diz DI. Evidence of Ang-(1-7) deficiency in antenatal betamethasone-treated young adult sheep. *In preparation*.
28. **Shaltout HA**, Rose JC, Chappell MC, Diz DI. (2012): Angiotensin-(1-7) deficiency and baroreflex impairment precede the antenatal Betamethasone exposure-induced elevation in blood pressure. *Hypertension*. 59:453-8.
29. **Shaltout HA**, Rose JC, Chappell MC and Diz DI. Antenatal Betamethasone Exposure Causes Impairment of Baroreflex for Control of Heart Rate That Precedes Elevation in Blood Pressure. *Hypertension*. 2012 Jan 3. [Epub ahead of print]. PMID: 22215705
30. **Shaltout HA**, Tooze J, Kemper K. Time, Touch, and Compassion: Effects on Autonomic Nervous System and Well-being. *EXPLORE: The Journal of Science & Healing*. *In press*

2011

31. Anfinogenova Y, Brett SE, Walsh MP, **Harraz OF**, Welsh DG. (2011): Do TRPC-like currents and G protein-coupled receptors interact to facilitate myogenic tone development? *Am J Physiol Heart Circ Physiol*. 301:H1378-88.
32. Arnold AC, **Shaltout HA**, Gilliam-Davis S, Kock ND, Diz DI. (2011): Autonomic control of the heart is altered in Sprague-Dawley rats with spontaneous hydronephrosis. *Am J Physiol Heart Circ Physiol*. 300:H2206-13.
33. Diz DI, Arnold AC, Nautiyal M, Isa K, **Shaltout HA**, Tallant EA. (2011): Angiotensin peptides and central autonomic regulation. *Curr Opin Pharmacol*. 11:131-7.
34. **El-Gowell HM, Abd-Elrahman KS, Saad EI, El-gowilly SM, Abdel-Galil AA, El-Mas MM** (2011). PPAR γ dependence of cyclosporine-isoprenaline renovascular interaction: Roles of nitric oxide synthase and heme oxygenase. *J Cardiovasc Pharmacol* 58, 173-180.



35. **El-Gowilly SM** (2011). Metoprolol ameliorates cyclosporine A-induced hypertension and nephrotoxicity in rats. *J Cardiovasc Pharmacol*; 58(6):639-46.
36. **El-Mas MM** and Abdel-Rahman AA (2011). Bradykinin B₂ receptor-dependent enhancement of enalapril-evoked hypotension in ethanol-fed female rats. *J Cardiovasc Pharmacol* 57, 72–78.
37. **El-Mas MM, El-Gowelli HM, Abd-Elrahman KS, Saad EI, Abdel-Galil AA, Abdel-Rahman AA** (2011). Pioglitazone abrogates cyclosporine-evoked hypertension via rectifying abnormalities in vascular endothelial function. *Biochem Pharmacol* 81, 526–533.
38. **El-Mas MM, El-gowilly SM, Fouda MA, Saad EI** (2011). Role of adenosine A_{2A} receptor signaling in the nicotine-evoked attenuation of reflex cardiac sympathetic control. *Toxicol Appl Pharmacol* 254, 229-237.
39. **El-Mas MM, El-gowilly SM, Gohar EY, Ghazal AM, Abdel-Rahman AA** (2011). Estrogen dependence of the renal vasodilatory effect of nicotine in rats: role of α_7 nicotinic cholinergic receptor/eNOS signaling. *Life Sci*, 88, 187-193.
40. **El-Mas MM, Fan M and Abdel-Rahman AA** (2011). Upregulation of cardiac NOS due to endotoxemia and vagal overactivity contribute to the hypotensive effect of chronic ethanol in female rats. *Eur J Pharmacol* 650, 317-323.
41. Fortunato JE, **Shaltout HA**, Larkin MM, Rowe PC, Diz DI, Koch KL. (2011): Fludrocortisone improves nausea in children with orthostatic intolerance (OI). *Clin Auton Res*.21:419-23.
42. Gwathmey TM, **Shaltout HA**, Rose JC, Diz DI, Chappell MC. (2011): Glucocorticoid-induced fetal programming alters the functional complement of angiotensin receptor subtypes within the kidney. *Hypertension*. 57:620-6.
43. Kemper KJ, **Shaltout HA**. (2011): Non-verbal communication of compassion: measuring psychophysiological effects. *BMC Complement Altern Med*. 20;11:132.
44. Logan EM, Aileru AA, **Shaltout HA**, Averill DB, Diz DI. (2011); The functional role of PI3K in maintenance of blood pressure and baroreflex suppression in (mRen2)27 and mRen2.Lewis rat. *J Cardiovasc Pharmacol*. 58:367-73.
45. Lucchinetti E, Wang L, Ko KW, Troxler H, Hersberger M, Zhang L, **Omar MA**, Lopaschuk GD, Clanachan AS, Zaugg M. (2011): Enhanced glucose uptake via GLUT4 fuels recovery from calcium overload after ischaemia-reperfusion injury in sevoflurane- but not propofol-treated hearts. *Br J Anaesth*. 106:792-800.
46. **Mohamed A**, Cortez L, de Chaves EP. (2011): Aggregation state and neurotoxic properties of alzheimer β -amyloid peptide. *Curr Protein Pept Sci*. 12:235-57.
47. **Mohamed A**, Posse de Chaves E. (2011): A β internalization by neurons and glia. *Int J Alzheimers Dis*. 15;2011:127984.



48. **Senbel AM** (2011). Functional Inhibition of Erectile Process in Rats by Indomethacin. *World J Urol.*;29(4):523-7.
49. **Senbel AM** (2011). Interaction between Nitric Oxide and Dopaminergic Transmission in the Peripheral Control of Penile Erection. *FundamClinPharmacol.* 25(1):63-71.
50. **Senbel AM, Mohy El-Din MM, Bistawroos AA, El-Mallah A, Nour El-Din AN, Bekhit AA, Abd El Razik AH** (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..
51. **Shaltout HA**, Chappell MC, Rose JC, Diz DI. (2011): Exaggerated sympathetic mediated responses to behavioral or pharmacological challenges following antenatal betamethasone exposure. *Am J Physiol Endocrinol Metab.* 300:E979-85.
52. **Shaltout HA**, Kemper K. Non-verbal communication of compassion: measuring psychophysiologic effects. *BMC Complementary and Alternative Medicine.* 2011 Dec 20;11(1):132.

2010

53. Abdel Aziz MT, El Asmer MF, Rezq A, Kumosani TA, Mostafa S, Mostafa T, Atta H, Abdel Aziz M, Wassef, Fouad HH, Rashed L, Sabry D, Hassouna AA, **Senbel AM**, Abdel Aziz A (2010). Novel Water-soluble Curcumin Derivative Mediating Erectile Signaling. *Journal of Sexual Medicine*, 7(8):2714-22.
54. Abdel Aziz T, El-Haggar S, Mostafa T, Atta H, Fouad H, Mahfouz S, Rashed L, Sabry D, **Senbel AM** & Ali GA (2010). Effect of mesenchymal stem cell penile transplantation on erectile signalling of aged rats. *Andrologia*, 42: 187- 192.
55. **Abd-Elrahman KS, El-Gowell HM, Saad EI, Abdel-Galil AA, El-Mas MM** (2010). Role of PPAR γ /nitric oxide synthase signaling in the cyclosporine-induced attenuation of endothelium-dependent renovascular vasodilation. *J Cardiovasc Pharmacol* 56, 195-202.
56. **Ali MA**, Cho W, Hudson B, Kassiri Z, Granzier H, Schulz R (2010). Titin is a target of MMP-2: implications in myocardial ischemia/reperfusion injury. *Circulation* 122: 2039-2047. See also editorial comment: Linke WA (2010). Molecular giant vulnerable to oxidative damage: titin joins the club of proteins degraded by MMP-2. *Circulation* 122: 2002-2004
57. Arnold AC, Isa K, **Shaltout HA**, Nautiyal M, Ferrario CM, Chappell MC, Diz DI. (2010): Angiotensin-(1-12) requires angiotensin converting enzyme and AT1 receptors for cardiovascular actions within the solitary tract nucleus. *Am J Physiol Heart Circ Physiol.* 299:H763-71.
58. **El-Mas MM** and Abdel-Rahman AA (2010). Reduced cardiac contractile force due to sympathovagal dysfunction mediates the additive hypotensive effects of



- limited-access regimens of ethanol and clonidine in SHR. *J Pharmacol Exp Ther* 335, 852-860.
59. **El-Yazbi AF**, Johnson RP, Walsh EJ, Takeya K, Walsh MP, Cole WC. (2010): Pressure-dependent contribution of Rho kinase-mediated calcium sensitization in serotonin-evoked vasoconstriction of rat cerebral arteries. *J Physiol*. 588:1747-62.
60. Garcia-Espinosa MA, **Shaltout HA**, Olson J, Westwood BM, Robbins ME, Link K, Diz DI. (2010): Proton magnetic resonance spectroscopy detection of neurotransmitters in dorsomedial medulla correlate with spontaneous baroreceptor reflex function. *Hypertension*. 55:487-93.
61. Kandasamy A, Chow AK, **Ali MA**, Schulz R (2010). Matrix metalloproteinase-2 and myocardial oxidative stress injury: beyond the matrix. *Cardiovasc Res* 85: 413-423.
62. Mufti R, Brett SE, Tran CHT, Radwan R, Anfinoginova Y, **El-Yazbi AF**, Cole WC, Jones P, Chen SR, and Welsh DG. Intravascular pressure initiates cerebral arterial constriction by inducing voltage-independent Ca²⁺ waves. *J Physiol* 588: 3983-4005, 2010.
63. Nasr MA, **El-gowilly SM**, **El-Mas MM** (2010). Comparable renovascular protective effects of moxonidine and Simvastatin in rats exposed to cigarette smoke. *Vascul Pharmacol* 53, 53–60.
64. **Omar MA**, Wang L, Clanachan AS. (2010): Cardioprotection by GSK-3 inhibition: role of enhanced glycogen synthesis and attenuation of calcium overload. *Cardiovasc Res*. 86:478-86.
65. **Saad EI**, **El-Gowilly SM**, **Sherhaa MO** and **Bistawroos AE** (2010): Role of oxidative stress and nitric oxide in the protective effects of α -lipoic acid and aminoguanidine against isoniazid–rifampicin-induced hepatotoxicity in rats. *Food and Chemical Toxicology*; 48:1869–1875
66. **Shaltout HA**, Rose JC, Figueroa JP, Chappell MC, Diz DI, Averill DB. (2010): Acute AT(1)-receptor blockade reverses the hemodynamic and baroreflex impairment in adult sheep exposed to antenatal betamethasone. *Am J Physiol Heart Circ Physiol*. 299:H541-7.
67. Wang L, Ko KW, Lucchinetti E, Zhang L, Troxler H, Hersberger M, **Omar MA**, Posse de Chaves EI, Lopaschuk GD, Clanachan AS, Zaugg M. (2010): Metabolic profiling of hearts exposed to sevoflurane and propofol reveals distinct regulation of fatty acid and glucose oxidation: CD36 and pyruvate dehydrogenase as key regulators in anesthetic-induced fuel shift. *Anesthesiology*. 113:541-51.
68. Zhong XZ, **Abd-Elrahman KS**, Liao CH, El-Yazbi AF, Walsh EJ, Walsh MP, Cole WC. (2010): Stromatoxin-sensitive, heteromultimeric Kv2.1/Kv9.3 channels contribute to myogenic control of cerebral arterial diameter. *J Physiol*. 588:4519-37.



2009

69. Abdel Aziz MT, El Asmer MF, Mostafa T, Atta H, Mahfouz S, Fouad H, Rashed L, Sabry D, Hassouna A, Abdel Aziz AT, **Senbel AM**, Demery A (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.
70. Arnold AC, **Shaltout HA**, Gallagher PE, Diz DI. (2009): Leptin impairs cardiovagal baroreflex function at the level of the solitary tract nucleus. *Hypertension*. 54:1001-8.
71. Daniel EE, Eteraf T, Sommer B, Cho WJ, and **El-Yazbi AF**. The role of Caveolae and caveolin-1 in calcium handling in pacing and contraction in mouse intestine. *J Cell Mol Med* 13: 352-364, 2009.
72. **El-Mas MM** and Abdel-Rahman AA (2009). Longitudinal assessment of the modulatory effect of estrogen on blood pressure and cardiac autonomic activity in female rats. *Clin Exp Pharmacol Physiol* 36, 1002–1009.
73. **El-Mas MM**, Abdel-Rahman AA (2009). Chronic ethanol attenuates centrally-mediated hypotension elicited via α_2 -adrenergic, but not I_1 -imidazoline, receptor activation in female rats. *Life Sci* 84, 111-118.
74. **El-Mas MM**, **El-Gowell HA**, **Ghazal AM**, **Harraz OF**, and **Mohy El-Din MM** (2009). Facilitation of central imidazoline I_1 -site/extracellular signal-regulated kinase/p38 mitogen-activated protein kinase signalling mediates the hypotensive effect of ethanol in rats with acute renal failure. *Br J Pharmacol* 158, 1629-1640.
75. **El-Mas MM**, **El-gowilly SM**, **Gohar EY**, and **Ghazal AM** (2009). Sex and hormonal influences on the nicotine-induced attenuation of isoprenaline vasodilations in the rat perfused kidney. *Can J Physiol Pharmacol* 87, 539-548.
76. **El-Mas MM**, Fan M and Abdel-Rahman AA (2009). Facilitation of myocardial PI3K/Akt/nNOS signaling contributes to ethanol-evoked hypotension in female rats. *Alcohol Clin Exp Res* 33, 1158-1168.
77. **El-Mas MM**, **Omar AG**, **Helmy MM**, and **Mohy El-Din MM** (2009). Interruption of central neuronal pathway of imidazoline I_1 receptor mediates the hypertensive effect of cyclosporine in rats. *Brain Res* 1248, 96-106.
78. Gwathmey TM, **Shaltout HA**, Pendergrass KD, Pirro NT, Figueroa JP, Rose JC, Diz DI, Chappell MC. (2009): Nuclear angiotensin II type 2 (AT2) receptors are functionally linked to nitric oxide production. *Am J Physiol Renal Physiol*. 296:F1484-93.
79. Johnson RP, **El-Yazbi AF**, Hughes MF, Schriemer DC, Walsh EJ, Walsh MP, Cole WC. (2009): Identification and functional characterization of protein kinase A-catalyzed phosphorylation of potassium channel Kv1.2 at serine 449. *J Biol Chem*. 284:16562-74.
80. Johnson RP, **El-Yazbi AF**, Takeya K, Walsh EJ, Walsh MP, Cole WC. (2009): Ca^{2+} sensitization via phosphorylation of myosin phosphatase targeting



subunit at threonine-855 by Rho kinase contributes to the arterial myogenic response. *J Physiol.* 587:2537-53.

81. Saudi MM and **Senbel AM** (2009). Antihypertensive activity of some novel 4 H-pyran analogs. *Saudi Pharmaceutical Journal*, 17; 135- 144.
82. **Shaltout HA**, Figueroa JP, Rose JC, Diz DI, Chappell MC. (2009): Alterations in circulatory and renal angiotensin-converting enzyme and angiotensin-converting enzyme 2 in fetal programmed hypertension. *Hypertension.* 53:404-8.
83. Sommer B, Montañño LM, Carbajal V, Flores-Soto E, Ortega A, Ramírez-Oseguera R, Irlés C, **El-Yazbi AF**, Cho WJ, Daniel EE. (2009): Extraction of membrane cholesterol disrupts caveolae and impairs serotonergic (5-HT_{2A}) and histaminergic (H₁) responses in bovine airway smooth muscle: role of Rho-kinase. *Can J Physiol Pharmacol.* 87:180-95.

2008

84. Alaa A. El-Tombary, A. Mohsen M.E. Omar, Nabil H. Eshaba, Sherif A. F. Rostom, Hanan M. A. Ragab and **Saad E** (2008). Synthesis and Acetylcholinesterase Inhibitory Activity of Novel Tetrahydroquinoline and Pyrazol [3, 4- β]-tetrahydroquinoline Derivatives as Potential Agents for Treatment of Alzheimer's Disease. *J. Pharm. Sci.* 22(1).
85. **El-gowilly SM, Ghazal AM, Gohar EY, and El-Mas MM** (2008). Exacerbation by nicotine of the cyclosporine A-induced impairment of β -adrenoceptor-mediated renal vasodilation in rats. *Clin Exp Pharmacol Physiol* 35, 1164-1171.
86. **El-Mas MM, El-gowilly SM, Gohar EY, and Ghazal AM** (2008). Pharmacological characterization of cellular mechanisms of the renal vasodilatory effect of nicotine in rats. *Eur J Pharmacol* 588, 294–300.
87. **El-Mas MM**, Fan M and Abdel-Rahman AA (2008). Endotoxemia-mediated facilitation of cardiac iNOS expression accounts for the hypotensive effect of ethanol in female rats. *J Pharmacol Exp Ther* 324, 368-375.
88. **El-Yazbi AF**, Cho WJ, Cena J, Schulz R, Daniel EE. (2008): Smooth muscle NOS, colocalized with caveolin-1, modulates contraction in mouse small intestine. *J Cell Mol Med.* 12:1404-15.
89. **El-Yazbi AF**, Cho WJ, Schulz R, Daniel EE. (2008): Calcium extrusion by plasma membrane calcium pump is impaired in caveolin-1 knockout mouse small intestine. *Eur J Pharmacol.* 59:80-7.
90. **Senbel AM** and Mostafa T (2008): Yohimbine enhances the effect of sildenafil on erectile process in rats. *International Journal of Impotence Research* 20, 409–417.



2007

91. **Abdel Galil AA, El-Sawy MA, Saad EI, Omar AG and Helmy MM** (2007): Simvastatin reverses cyclosporin A-induced endothelial damage in rats: lipid-lowering-dependent and -independent effects. *Bull. Alex. Fac. Med.*, 43(1): 135-144.
92. **Abdel Galil AA, El-Sawy MA, Saad EI, Omar AG, El-Deeb NM and Helmy MM** (2007): α -Tocopherol enhances vascular antioxidant status and preserves vascular integrity in Cyclosporin A-treated rats. *Alex. J. Pharm. Sci.*, 21(2):145-152.
93. **Abdel-Galil AAM, Saad EI, Bistawroos AE, Abo Zeit-Har MS, El-Deeb NMF and Abdel-Motaal M** (2007). Effect of Mastic Gum, Vitamin E and Omeprazole on Indomethacin-induced Gastric Ulcers in Rats. *J. Vet. Science*, Vol. 25 № 1; 263-283.
94. **Abdel-Galil AG., Saad EI, Raslan HS, El-Gowell HM** (2007). Evaluation of Chamomile oil, Basil oil & Echinacea root extract in the acceleration of healing of experimentally induced wounds in rats. *J. Egypt Pharmacol. Exp. Ther*; 28, 19 – 51.
95. **Abdel-Galil AM, Saad EI, Bistawroos AE, Abo Zeit-Har MS, El-Deeb NM, Abdel-Motaal M** (2007). Effect of mastic gum, vitamin E and omeprazole on indomethacin-induced gastric ulcers. *Alex J Vet Science* 25:263-272.
96. **Chow AK, Cena J, El-Yazbi AF, Crawford BD, Holt A, Cho WJ, Daniel EE, Schulz R.** (2007): Caveolin-1 inhibits matrix metalloproteinase-2 activity in the heart. *J Mol Cell Cardiol.* 42:896-901.
97. **Daniel EE, El-Yazbi AF, Mannarino M, Galante G, Boddy G, Livergant J, and Oskouei TE.** Do gap junctions play a role in nerve transmission as well as pacing in mouse intestine? *Am J Physiol* 292: G734-G745, 2007.
98. **El-Bassiouni, EA, Helmy, MH, Saad, EI, Kamel, MA El-Nabi, Abdel-Meguid, E, Hussein, HSE** (2007). Modulation of the Antioxidant Defence in Different Developmental Stages of *Schistosoma mansoni* by Praziquantel and Artemether. *Brit. J. Biomed. Sci.* 64:168.
99. **El-Mas MM and Abdel-Rahman AA** (2007). Intermittent clonidine regimen abolishes tolerance to its antihypertensive effect: a spectral study. *J Cardiovasc Pharmacol* 49, 174-181.
100. **El-Mas MM and Abdel-Rahman AA** (2007). Role of myocardial contractility and autonomic control in the hypotensive response to a limited access ethanol paradigm in SHR. *Alcohol Clin Exp Res* 31, 1071-1079.
101. **El-Mas MM, Sharabi FM, El-gowilly SM and Mohy El-Din MM** (2007). Inhibition of nitric oxide-guanylate cyclase-dependent and -independent signaling contributes to impairment of β -adrenergic vasorelaxations by cyclosporine. *Biochemical Pharmacol* 73, 359-367.



102. **El-Yazbi AF**, Schulz R, Daniel EE. (2007): Differential inhibitory control of circular and longitudinal smooth muscle layers of Balb/C mouse small intestine. *Auton Neurosci*. 131:36-44.
103. **Elwan MA** & Sakuragawa N: Uptake and decarboxylation of L-3,4-dihydroxyphenylalanine in cultured monkey placenta amniotic epithelial cells. *Placenta*, 28(2-3):245-248 (2007).
104. **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.
105. **Mahran MA**, William S, Ramzy F and **Senbel AM**. (2007): Synthesis and in vitro Evaluation of New Benzothiazole Derivatives as Schistosomicidal Agents. *Molecules*, 12, 622-633.
106. **Mohy El-Din MM, Sharabi FM, Daabees TT and Senbel AM** (2007): Peripheral modulation of dopaminergic receptors affects erectile functions in rats. *Basic & Clinical Pharmacology & Toxicology*, 100, 225–232.
107. Schulz R, **Ali MA** (2007). PPARalpha: Essential component to prevent myocardial oxidative stress? *Am J Physiol Heart Circ Physiol* 293: H11-H12.
108. **Shaltout HA**, Westwood BM, Averill DB, Ferrario CM, Figueroa JP, Diz DI, Rose JC, Chappell MC. (2007): Angiotensin metabolism in renal proximal tubules, urine, and serum of sheep: evidence for ACE2-dependent processing of angiotensin II. *Am J Physiol Renal Physiol*. 292:F82-91.

II- Abstracts

2020

1. Inas E Darwish, Elham A. Afify , Thanaa Ibrahim Shalaby ,Hanan Kamal Abdelaziz ,Mohamed Abu El Maged (2020). Poster presentation 2nd PUA international conference " multidisciplinary approaches in pharmaceutical sciences, 11th-12th March 2020 at Pharos University in Alexandria, Egypt.
2. Sallam MY, El-Gowilly SM, and El-Mas MM. Cardiac and medullary neuroinflammatory pathways trigger the androgenic incitement of cardiovascular sequels of endotoxemia in rats. Will be published in *FASEB J* 2020.
3. Sallam MY, El-Gowilly SM, and El-Mas MM. Inconsistent effects of surgical and chemical castration on arterial baroreceptor dysfunction and cardiac and brainstem inflammation in endotoxic rats. Will be published in *FASEB J* 2020.



2019

1. Mai Helmy and Samar Mouneir (2019): Reno-protective effect of linagliptin against gentamycin nephrotoxicity in rats: Involvement of renal DPP-4, Proceedings of the 3rd International Conference on Traditional Medicine, Pharmacy and Pharmaceutical Sciences, Rome, Italy
2. Sallam MY, El-Mas MM, El-Gowilly SM. Nicotinic Acetylcholine Receptors of $\alpha 7$ and $\alpha 4\beta 2$ Types Mediate the Nicotine Counteraction of Impaired Baroreceptor Function in Endotoxic Rats. FASEB J April 2019, 33, Issue 1, suppl01: 511.2
3. Wedn AM, El-Gowilly SM, El-Mas MM. The Compromised Renal Vasodilations of Adenosinergic Origin in Endotoxic Rats is Reversed by Nicotine: Role of the nAChRs/Heme Oxygenase-1 Pathway. FASEB J April 2019, 33, Issue 1, suppl01: 513.11
4. El-Lakany MA, Fouda MA, El-Gowell HM, El-Mas MM. Estrogen Receptor- α Counterbalances the Endotoxic Inflammatory Response and Associated Arterial Baroreflex Dysfunction in Ovariectomized Rats. FASEB J April 2019, 33, Issue 1, suppl01: 513.5 (oral presentation)
5. Wedn AM, El-Gowilly SM, El-Mas MM. El-Mas. Prolonged Exposure of Rats to Bacterial Lipopolysaccharide Accelerates Mortality and blunts Hemodynamic and Renal Effects of Endotoxemia in Sex-Specific Fashions. FASEB J April 2019, 33, Issue 1, suppl01: 513.4
6. Wedn AM, El-Gowilly SM, El-Mas MM. Activation of $\alpha 7$ -nAChRs counteracts the inflammatory and renal vasoconstrictor hyporeactivity in endotoxic rats via heme oxygenase/carbon monoxide upregulation. Asian Conference on Science, Technology & Medicine (ACSTM), Dubai, UAE, February 2019 (oral presentation).
7. Sallam MY, El-Gowilly SM, Fouda MA, Abd-Alhaseeb MM, El-Mas MM. Central $\alpha 7/\alpha 4\beta 2$ AChR signaling ameliorates the inflammatory, hypotensive and cardiovascular manifestations of endotoxemia in conscious male rats. 5th Future University International Conference of Pharmaceutical Sciences, Cairo, Egypt, January 28-30, 2019, PP. 123 (<https://www.fue.edu.eg/5thfue-icps2019/>).



8. Wedn AM, El-Gowilly SM, El-Mas MM. Heme byproducts distinctly contribute to the $\alpha 7$ - nAChR-dependent counteraction of inflammatory and renal vasoconstrictor hyporeactivity in4 endotoxic rats. 5th Future University International Conference of Pharmaceutical Sciences, Cairo, Egypt, January 28-30, 2019, PP. 56 (<https://www.fue.edu.eg/5thfue-icps2019/>)
9. Safaa S. Taha, Amira M. Senbel and Tahia T. Daabees. (2019). Prospective toxic effects of lead acetate and cadmium sulfate on some myogenic function of urogenital tract in male rats, in Pharmacology 2019– Edinburgh, UK. 15-17th December.
10. Safaa S. Taha, Amira M. Senbel and Tahia T. Daabees. (2019). Potential toxic effects of lead and cadmium on some functions of the urogenital tract in male rats, in the first scientific forum for graduate studies, May 2019
11. Safaa S. Taha, Amira M. Senbel and Tahia T. Daabees. (2019). Potential toxic effects of lead and cadmium on some functions of the urogenital tract in male rats, in the 5th FUE International Conference of Pharmaceutical Sciences 2019
12. Youssef ME, El-Mas MM, Abdelrazek HM, El-Azab MF. $\alpha 7$ -nAChR-Mediated Therapeutic Angiogenesis Accounts for the Advantageous Effect of Low Nicotine Doses Against Myocardial Infarction in Rats. FASEB J April 2019, 33, Issue 1, suppl 01: 679.1
13. El-Lakany MA, Fouda MA, El-Gowell HM, El-Mas MM. Nicotine Dose-Dependently Uncovers Endotoxic Cardiovascular Manifestations of Hypotension and Autonomic Dysfunction in Female Rats. FASEB J April 2019, 33, Issue 1, suppl 01: 513.12
14. El-Yazbi AF2, Fouda MA, Mroueh Ali, El-Mas MM. Differential Modulation by Adenosine A1 and A3 Receptors of Acute Endotoxemia-Induced Hemodynamics, Cardiac Autonomic Impairment, and oxidative damage. FASEB J April 2019, 33, Issue 1, suppl 01: 513.2
15. El-Lakany MA, Fouda MA, El-Gowell HM, El-Mas MM. Female gonadal hormones diversely modulate hemodynamics, cardiac inflammation and impaired autonomic control in endotoxic rats with surgical menopause. 5th Future University International Conference of Pharmaceutical Sciences, Cairo, Egypt, January 28-30, 2019, PP. 124 (<https://www.fue.edu.eg/5thfue-icps2019/>).



16. Wedn AM, El-Gowilly SM, El-Mas MM. Heme byproducts distinctly contribute to the $\alpha 7$ -nAChR-dependent counteraction of inflammatory and renal vasoconstrictor hyporeactivity in endotoxic rats. 5th Future University International Conference of Pharmaceutical Sciences, Cairo, Egypt, January 28-30, 2019, PP. 56 (<https://www.fue.edu.eg/5thfue-icps2019/>).

2018

1. Sallam MY, El-Gowilly SM, Fouda MA., Abd-Alhaseeb MM., and El-Mas MM. Central Cholinergic Pathways Diminish the Hypotensive and Cardiac Autonomic Depressant Effects of Endotoxemia in Male Rats: Role of Medullary NF κ B/ $\alpha 7$ / $\alpha 4\beta 2$ AChR Signaling. FASEB J April 2018 32:697.2
2. Wedn AM, El-Gowilly SM, El-Mas MM. Sex-unrelated counteraction by nicotine of the endotoxemia-evoked facilitation of renal vasodilator capacity in rats: roles of $\alpha 7$ / $\alpha 4\beta 2$ nAChRs and HSP70. FASEB J April 2018 32:562.8
3. Wedn AM, El-Gowilly SM, El-Mas MM. The $\alpha 7$ -nAChRs/heme oxygenase/carbon monoxide pathway arbitrates nicotine counteraction of the inflammatory and renal vasoconstrictor hyporeactivity in endotoxic rats. FASEB J April 2018 32:568.9
4. El-Mas MM, El-Lakany MA, Fouda MA, El-Gowelli HM. The Provoked Cardiovascular and Autonomic Effects of Endotoxemia in Ovariectomized Rats Are Distinctly Affected by Estrogen and Progesterone Supplementation. FASEB J April 2018 32:697.1
5. Helmy MM, Helmy MW, El-Mas MM. Upregulation of cystathionine- γ -lyase/hydrogen sulfide pathway underlies the celecoxib counteraction of cyclosporine-induced hypertension and renal insult in rats. FASEB J April 2018 32:562.9
6. Mandour, H I, Ramadan, A, Shamseddin, A A, Sharabi FM (2018). Evaluation of the potential contribution of hospital pharmacists in fighting addiction in Alexandria, Egypt. Duphat 23rd, Dubai international pharmaceuticals & technologies conference & exhibition, 27 February-1 March, 2018



7. Bassiouni W., Daabees T., Norel X., Senbel A. (2018). Contraction induced by EP1 receptors activation in rat detrusor muscle is counteracted by the NO/cGMP pathway. 7th European Workshop on Lipid Mediators – Brussels (Selected Oral presentation).
8. ManikPurage H., Amgoud Y., Senbel A., Abd Elmoneim H., Deschildre C., Fabre J-E, Michel J-B, Ozen G. & Norel X.(2018). PGI2 induced relaxations overcome the PGE2 induced vasoconstrictions in human coronary artery. 7th European Workshop on Lipid Mediators – Brussels (Selected Oral presentation).
9. Abdelmoneim H., Amgoud Y., Le Chapelain O., Manik Purage H., Senbel A., Silverstein A., Danel C., castier Y., Longrois D. & Norel X. (2018). Targeting AMPK can augment prostacyclin production from human lungs. 7th European Workshop on Lipid Mediators – Brussels (Selected Oral presentation).
10. Amgoud Y., Abd Elmoneim H., Manik Purage H., Savane I., El Soudany M., Benyahia C., Silverstein A., Cazes A., Senbel A., Castier Y., Longrois D. & Norel X. (2018). In vitro study on pulmonary hypertension treatments: Role of PGI2 pathway in human pulmonary vessels. 7th European Workshop on Lipid Mediators– Brussels (Poster 1).
11. Manik Purage H., Amgoud Y., Senbel A., Abd Elmoneim H., Deschildre C., Fabre J-E, Michel J-B, Norel X. & Ozen G. (2018) 7th European Workshop on Lipid Mediators – Brussels (Poster 38).

2017

12. **AM Senbel**, WM Bassiouni, TT Daabees (2017). Effect of Some Prostanoids Modulators and Cyclooxygenase Inhibitors on Rat Bladder Detrusor Muscle in Normal and Cyclophosphamide-Induced Cystitis. Clinical Therapeutics 39 (8), e75.
13. **A Senbel**, H Abd Elmoneim, F Sharabi, M Mohy El Din, X Norel (2017). Potassium channels modulate the action but not the synthesis of hydrogen sulphide in rat corpus cavernosum. Acta Physiol 2017, 219 (Suppl. 710), P-55; 37.



14. Maged Helmy, **Mai Helmy**, and Mahmoud El-Mas (2017): Enhanced lipoxigenase/LTD4 activity accounts for the exaggerated hypertensive and nephrotoxic effects of cyclosporine plus indomethacin in rats. FASEB J. 31, *Abstract # 1b541*, Experimental Biology, USA
15. A Senbel, H Abd Elmoneim, F Sharabi, M Mohy El Din, X Norel (2017). Potassium channels modulate the action but not the synthesis of hydrogen sulphide in rat corpus cavernosum. Acta Physiol 2017, 219 (Suppl. 710), P-55; 37.
16. Sallam MY, El-Gowilly SM, Abdel-Galil AA, El-Mas MM. Amelioration by GABAB receptors of the cyclosporine-evoked counteraction of endotoxic cardiovascular manifestations in conscious rats. FASEB J April 2017 31:827.4
17. Sallam MW, El-Gowilly SM, El-Gowell HM, El-Mas MM. The $\alpha 7/\alpha 4\beta 2$ nAChRs Alleviate The Hypotension And Altered Cardiac Sympathovagal Balance Evoked By Endotoxemia In Male Rats FASEB J April 2017 31:848.3
18. El-Lakany MA, El-Gowell HM, Fouda MA, El-Gowilly SM, El-Mas MM. Gonadal Hormone Receptors Underlie The Resistance Of Female Rats To Cardiovascular Complications Of Endotoxemia FASEB J April 2017 31:848.4
19. Elham A. Afify and Najlaa Andijani (2017). Propranolol potentiated morphine induced antinociception in mice in three nociceptive tests via GABAergic and dopaminergic mechanisms. Oral presentation 56th Annual Conference of the Egyptian society of pharmacology and experimental therapeutics (ESPET) & Workshop on Behavioural pharmacology held at the British University in Egypt (BUE) at ElShorooq City on January, 28th 2017.
20. El-Mas MM, El-Bassossy H, Awan Z. Prenatal exposure to cyclosporine impair cardiac function in neonates FASEB J April 2017 31:997.1
21. Ibrahim KS, El-Yazbi AF, El-Gowell HM, El-Mas MM. Heme oxygenase byproducts variably influences myocardial and autonomic dysfunctions induced by the cyclosporine/diclofenac regimen in female rats FASEB J April 2017 31:1070.13



22. Hammoud SH, Omar AG, Eid AA, El-Mas MM. CYP4A/CYP2C Modulation of the Interaction of Calcium Channel Blockers with Cyclosporine on EDHF-Mediated Renal Vasodilations in Rats FASEB J April 2017 31:998.6
23. Hammoud SH, Eid AA, Omar AG, El-Mas MM. Molecular Mechanisms of the Protective Effects of Calcium Channel Blockers against Cyclosporine Nephrotoxicity in Rats FASEB J April 2017 31:998.7
24. El-Lakany MA, El-Gowell HM, Fouda MA, El-Gowilly SM, El-Mas MM. Gonadal Hormone Receptors Underlie The Resistance Of Female Rats To Cardiovascular Complications Of Endotoxemia FASEB J April 2017 31:848.4
25. El-Mas MM, Ibrahim KS, El-Yazbi AF, El-Gowell HM. Modulation by NADPH-ox/Rho-kinase signaling of the cyclosporine-NSAIDs interactions on blood pressure and baroreflexes in female rats FASEB J April 2017 31:848.1

2016

1. **El-Mas MM, Sallam MY, Abdel-Galil AA and El-Gowilly SM.:** Cyclosporine Ameliorates Reductions in Blood Pressure and Heart Rate Variability Caused by Endotoxemia in Rats: Modulation by Central PI3K/sGC/MAPKs Signaling. Will be presented in the 2016 Experimental Biology Meeting in San Diego, USA.
2. **El-Mas MM, Sallam MY, Abdel-Galil AA and El-Gowilly SM.** Central GABAA Receptors Provoke Inflammatory and Cardiovascular Consequences of Endotoxemia in Conscious Rats. Will be presented in the 2016 Experimental Biology Meeting in San Diego, USA.
3. Duncan AV, **Shaltout HA**, Tommassi EN, Gallagher PE, Tallent EA and Diz DI. Beneficial Cardiovascular Effects of Muscadine Grape Extract in Normotensive Female Rats. Submitted for 2016 Experimental Biology meeting, San Diego CA, April 2016.



4. Hendricks AS, **Shaltout HA**, Chappell MC and Diz DI. Sex specific differences in key signaling pathways involved in autonomic nervous system control within the dorsal medulla of adult sheep with fetal betamethasone exposure. Accepted for oral talk at 2016 Experimental Biology meeting, San Diego CA, April 2016.
5. Tegeler CH, Tegeler CL, Cook JF, Lee SW, **Shaltout HA**, Laurienti PJ. Military personnel with traumatic stress show changes in large-scale brain networks after use of a closed-loop neurotechnology. Accepted for oral presentation at the American Academy of Neurology meeting. Vancouver Canada. April 15-21, 2016.
6. Tegeler CH, Tegeler CL, Cook J, Howard L, Lee S, **Shaltout HA**. Durability of symptom reductions associated with use of HIRREM by military personnel with traumatic stress. Accepted for oral presentation at the American Academy of Neurology meeting. Vancouver Canada. April 15-21, 2016.
7. Tegeler CL, **Shaltout HA**, Lee S, Tegeler CH. Military personnel with traumatic stress demonstrate improved autonomic cardiovascular regulation after use of a closed loop neurotechnology. Accepted for poster presentation at the American Academy of Neurology meeting. Vancouver Canada. April 15-21, 2016

2015

1. El-Mas MM, Helmy MW, Helmy MM. Additive Renoprotective Effects Of Pioglitazone And Fenofibrate Against Cisplatin-Induced Renal Failure: PPARs/TNF- α Modulation. FASEB J April 2015 29:938.5
2. Sallam MY, El-Gowilly SM, Abdel-Galil AA, El-Mas MM. Central Pathways of MAPKp38 and MAPKJNK Mediate TNF α /iNOS-Dependent Endotoxic Manifestations of Hypotension and Compromised Heart Rate Variability in Rats. FASEB J April 2015 29:624.4
3. Ibrahim KS, El-Yazbi AF, El-Gowell HM, El-Mas MM. Divergent Effects for Celecoxib and Diclofenac on Hemodynamic and Left Ventricular Actions of Cyclosporine in Female Rats. FASEB J April 2015 29:1025.11



4. El-Mas MM, Abdel-Rahman AA. Ethanol Discontinuation Does Not Fully Reverse Its Chronic Effects on Blood Pressure, Heart Rate, and Their Variability in SHR: Diurnally-Unrelated Effects. FASEB J April 2015 29:623.11
5. El-Mas MM, Abdel-Rahman AA. Estrogen-Dependent Upregulation of the Renin Angiotensin System and Constitutive NOS Accounts for Ethanol Enhancement of Enalapril-Evoked Hypotension in Telemetered Female Rats. FASEB J April 2015 29:624.1
6. Fouda MA, El-Gowell HM, El-Gowilly SM, El-Mas MM. Peripheral and central mechanisms of cyclosporine-induced hypertension, 3rd Future University International Conference of Pharmaceutical Sciences, Cairo, Egypt 2015, Feb 9-11.
7. Karim Ibrahim, Ahmed El-Yazbi, Hanan El-Gowell and Mahmoud El-Mas. Divergent Effects for Celecoxib and Diclofenac on Hemodynamic and Left Ventricular Actions of Cyclosporine in Female Rats. FASEB J April. 2015 29:1025.11 2015
8. Washburn KL, Nixon PA, Shaltout HA, Snively BM, Russell GB and O'Shea TM. Antenatal steroids and blood pressure in adolescents born with very low birth weight. Submitted for Pediatric Academic Societies annual meeting, April 25-26, 2015, San Diego, CA. # 2894.366
9. Lawson MJ, Figueroa JP, Rose JC, Chappell MC, Diz DI and Shaltout HA. Intracerebroventricular infusion of angiotensin-(1-7) improves baroreflex sensitivity in antenatal betamethasone exposed sheep. FASEB J April 2015, 29:811.30
10. Lawson MJ, Shaltout HA, Chappell MC, Diz DI and Figueroa JP. Obesity Induces Further Autonomic Impairment in Sheep Exposed Antenatally to Betamethasone. FASEB J April 2015, 29:LB724
11. Shaltout HA, Yamaleyeva LM, Bader M, Dechend R and Brosnihan KB. Impairment of Autonomic Function Precedes Blood Pressure Elevation in Rat Model of Pre-eclampsia. Hypertension. 2015;66:AP175
12. Diz DI, Olson JD, Carr JJ, Bourland JD, Kitzman D, Kritchevsky S, Groban L and Shaltout HA. Distinct Profiles of Brain Medullary Metabolites



- Detected by 1H-Magnetic Resonance Spectroscopy Correlate with Indices of Autonomic Function and Visceral Fat in Healthy Adults. Hypertension. 2015;66:AP149.
13. Yamaleyeva LM, Brosnihan KB, McGee C, Shi S, Varagic J, Bader M, Dechend R and Shaltout HA. Systemic Administration of (Pyr1)-Apelin-13 at Late Pregnancy Reduces Blood Pressure, Proteinuria, and Improves Autonomic Function in Preeclamptic Rats. Hypertension. 2015;66:A126 (oral talk).
 14. Lawson MJ, Figueroa JP, Chappell MC, Diz DI and Shaltout HA. Intracerebroventricular (ICV) Infusion of Angiotensin-(1-7) Lowers Blood Pressure and Improves Autonomic Function in Antenatal Betamethasone Exposed Sheep. Hypertension. 2015;66:A081 (oral talk)
 15. Diz DI, Tommasi EN, Howlett AC and Shaltout HA. Angiotensin ii - endocannabinoid interactions in the Nucleus of the solitary tract are important for regulation of baroreflex control of heart rate. Hypertension. 2015;66:AP189
 16. Wagoner AL, Fortunato JE, Diz DI and Shaltout HA. 1H-Magnetic Resonance Spectroscopy Reveals Elevation of MyoInositol and other Markers of Inflammation in the Dorsal Medulla of Children with Orthostatic Intolerance. Hypertension. 2015;66:AP069
 17. Shaltout HA and Glock MS. Low Serum Vitamin D is Associated with Greater Impairment in Autonomic Function upon Head Up Tilt in Children with Orthostatic Intolerance. Hypertension. 2015;66:AP633
 18. Tegeler CH, Laurienti P, Tegeler CL, Cook JF and Shaltout HA Military personnel with traumatic stress show reduced symptoms and improved HRV after using a closed-loop neurotechnology. Submitted to the Society of Federal Health Professionals (AMSUS) Annual Meeting, 2015 San Diego, CA.
 19. Tegeler CH, Laurienti P, Tegeler CL, Cook JF, Wisternmayer PR, Lee SW and Shaltout HA. Military personnel with traumatic stress demonstrate changes in the default mode network after use of a closed-loop neurotechnology. Annals of Neurology. Oct 2015 ; 78: S22-S22, S117WIP



20. Lawson MJ, Figueroa JP, Chappell MC, Diz DI and Shaltout HA. Intracerebroventricular (ICV) Infusion of Angiotensin-(1-7) Lowers Blood Pressure and Improves Autonomic Function in Antenatal Betamethasone Exposed Sheep. Accepted for poster presentation at the AHA scientific sessions meeting in Florida, November 2015
21. El-Gowell HM, Saad EI, Abdel-Galil A-GA, Ibrahim ER. Co-administration of α -lipoic acid and cyclosporine aggravates colon ulceration of acetic acid-induced ulcerative colitis via facilitation of NO/COX-2/miR-210 cascade. Toxicology and Applied Pharmacology. 2015;288(3):300-12.
22. AlQot HE, Elnozahi NA, Mohy El-Din MM, Bistawroos AE, Abou Zeit-Har MS. Facilitatory effect of dopamine on neuromuscular transmission mediated via dopamine D1-like receptors and prospective interaction with nicotine. Eur J Pharmacol. 2015;765:51-7.
23. Senbel A, Din NNE, Norel X, Din MME. On the potential effects of prostaglandin modulators and nonsteroidal antiinflammatory drugs on erectile process, an in vitro study in rabbit corpus cavernosum. Elsevier; 2015. p. 1.
24. Harraz OF, Visser F, Brett SE, Goldman D, Zechariah A, Hashad AM, et al. Ca(V)1.2/Ca(V)3.x channels mediate divergent vasomotor responses in human cerebral arteries. The Journal of General Physiology. 2015;145(5):405-18.
25. Harraz OF, Longden TA, Bonev AD, Sonkusare SK, Freeman K, Nelson MT. Regulation of Endothelial TRPV4 Channel Activity in the Cerebral Circulation. The 69th Annual Meeting and Symposium of the Society of General Physiologists, 2015, Woods Hole, MA.

2014

26. El-Mas MM. Divergent estrogenic modulation of the nicotine-baroreflex interaction, the 6th International Conference on Natural Toxins, Suez Canal University, Ismailia, Egypt 2014, Dec 15-16.



27. El-Mas MM, El-Gowell HM, Elsalakawy LK, El-gowilly SM. Estrogen compromises the facilitatory effect of chronic nicotine on adenosine A2B receptor/K⁺ channel-mediated renal vasodilations. FASEB J April 2014 28:837.3
28. El-Mas MM, Abdel-Rahman AA. Nongenomic effects of estrogen mediate the dose-related myocardial oxidative stress and dysfunction caused by acute ethanol in female rats. FASEB J April 2014 28:652.19
29. El-Mas MM, Abdel-Rahman AA. Enhanced oxidative stress/DAPK3/Akt/ERK signaling accounts for estrogen exacerbation of cardiac dysfunction caused by ethanol in male rats. FASEB J April 2014 28:652.20
30. El-Mas MM, El-Gowell HM, Fouda M, El-gowilly SM. The interplay between heme oxygenase and nitric oxide synthase and downstream PI3K/sGC/ERK signaling ameliorates the estrogen-dependent depressant effect of chronic nicotine on reflex bradycardia. FASEB J April 2014 28:837.2
31. Nasser S, Elmallah A, Mohy El-Din M, Khedr M, El-Mas MM. Functional angiotensin and endothelin, but not thromboxane, pathways are necessary for the hypertension and baroreflex dysfunction caused by cyclosporine in rats. FASEB J April 2014 28:LB565
32. Hanan El-Gowell, Mariam .A. Badawi, Hoda Omar³, Ahmad Bassiouny, Mona Marei and Labiba El-Khordagui. Novel antimicrobial nanofiberreinforced chitosan membrane for enhanced healing of infected wounds. Biovision 2014
33. Nesma El-Sayed, Sally Galal, Hanan El-Gowell, Hoda Omar and Labiba El-Khordagui. Methylene Blue-nanofibers for photodynamic therapy of infected wounds in immunocompromized rats. Biovision 2014
34. Tegeler CH, Tegeler CL, Cook JF, Lee SW, Franco ME, Gerdes L and Shaltout HA. Use of HIRREM, a noninvasive neurotechnology, is associated with symptom reduction and increased heart rate variability among individuals with traumatic brain injury. Brain Injury 28 (5-6), 818-819. Oral presentation at the International Brain Association meeting San Francisco, CA, March 19-22, 2014



35. Fortunato JE, Cook JF, Lee SW, Franco ME, Shaltout HA, Tegeler CH. A noninvasive neurotechnology, HIRREM, is associated with symptom reduction and improved cardiovascular autonomic measures in adolescents with POTS. Neurol, 82 (10 supplement): P7.320. Poster presentation for the 2014 American Academy of Neurology meeting, Philadelphia, PA, April 26- May 3, 2014
36. Tegeler CH, Cook JF, Tegeler CL, Lee SW, Nicholas JN, Shaltout HA Use of HIRREM, A non-invasive neurotechnology, is associated with improved autonomic function and decreased temporal hemispheric asymmetry in a 67 year old male with a recent stroke. Neurology 2014; Neurol, 82 (10 supplement): P1.138. Poster presentation for the 2014 American Academy of Neurology meeting, Philadelphia, PA, April 26-May 3, 2014
37. Tegeler CH, Tegeler CL, Cook JF, Lee SW, Franco ME, Gerdes L and Shaltout HA. Use of a noninvasive neurotechnology, HIRREM, is associated with improved sleep, mood, and baroreflex sensitivity in athletes with persisting post-concussion symptoms. Neurol, 82 (10 supplement): P5.313. Poster presentation for the 2014 American Academy of Neurology meeting, Philadelphia, PA, April 26-May 3, 2014
38. Cook JF, Tegeler CL, Lee SW, Shaltout HA, Franco ME and Tegeler CH. Use of a non-invasive neurotechnology, HIRREM, is associated with improved sleep and mood in a heterogeneous cohort. Neurol, 82 (10 supplement): P5.287. Poster presentation for the 2014 American Academy of Neurology meeting, Philadelphia, PA, April 26-May 3, 2014.
39. Tegeler CH, Tegeler CL, Cook JF, Lee SW, Franco ME, Nicholas JN, Ray CE, Howard LJ and Shaltout HA. A noninvasive approach to improve insomnia in a military cohort. Sleep 2014, 37: A192.0551. Presented at American Academy of Sleep Annual Meeting. Minneapolis, MN, May 31st – June 4th, 2014.
40. De Lima DC, Do Nascimento K, Shaltout HA, Coimbra CC and Diz DI. The metabolic challenge induced by hypercaloric diet leads to increased activity of the HPA axis and cardiac autonomic dysfunction in rats with low glial angiotensinogen. FASEB J 2014, 28:831.3.



41. Tegeler CH, Tegeler CL, Cook JF, Lee SW, Gerded L, Shaltout HA and miles CM. Use of a HIRREM is associated with improved symptoms and neural oscillatory balance in athletes with post-concussion symptoms. Presented at the Sports Concussion Conference, Chicago, IL, July 11-13,
42. Wagoner AL, Shaltout HA, Diz DI and Fortunato JE. Novel neurohumoral responses to head upright tilt testing in children with chronic nausea and orthostatic intolerance. (Oral Presentation), Hypertension 2014;64:A033, p42
43. Shaltout HA, Marsh AP, Laurienti P, Basu S, Klebous CK, Kus N, Morgan A, DosSantos PC, Norris JL, Miller GD, Rejeski J, Hawfield AT, Diz DI and KimShapiro DB. Effect of adding beet root juice to exercise on physical performance and cardiovascular measures in old hypertensive subjects. Hypertension 2014;64:A462, p129
44. Shaltout HA, Wagoner AL, Fortunato JE, Diz DI. Impaired hemodynamic response to head up tilt in adolescent with orthostatic intolerance. Hypertension 2014;64:A513, p141
45. Wagoner AL, Shaltout HA, Diz DI and Fortunato JE. Novel neurohumoral responses to head upright tilt testing in children with chronic nausea and orthostatic intolerance. International Society of Hypertension New Investigators' Symposium, San Francisco, September 2014. (Received Poster Award for Clinical Sciences)
46. Tegeler CH, Tegeler CL, Cook JF, Lee SW and Shaltout HA. Use of a closed-loop neurotechnology, HIRREM, is associated with symptom reduction and improved autonomic regulation in migraineurs. Annals of Neurology 2014,76: S104-S104.
47. Diz DI, Shaltout HA, Tommasi EN, Bass CE and Howlett AC. Angiotensin II Endocannabinoid interactions within the nucleus of the solitary tract are important for blood pressure regulation. Presented as oral talk at the Carolina Cannabinoid Collaborative Conference, November 7-9, 2014. Wake Forest Biotech Place.
48. Hashad A, Mazumda N, Harraz O, Welsh D. The role of Ca²⁺ influx pathways in voltage-dependent STOC production. The FASEB Journal. 2014;28:853.10(Supplement1).



49. Fouad HM, AM Senbel, HM Abdel-moneim, MM Mohy El Din. Neuronal voltage gated potassium channels modulate nitric oxide synthesis in rabbit corpus cavernous. Pharmacology 2014 (British Pharmacological Society winter meeting), Queen Elizabeth II Conference Centre, Westminster, London.

2013

50. Helmy MW, El-Gowell HM, Abdel-Halim RM, El-Mas MM. Aggravated Nephrotoxicity Evoked By Concurrent Exposure To Cyclosporine And Indomethacin In Rats: Role Of The Endothelin ETA Receptor/TGF-beta/COX- 2 Pathway FASEB J April 9, 2013 27:654.10
51. El-Gowell HM, Helmy MW, Abdel-Halim RM, El-Mas MM. Celecoxib Offsets The Negative Renal Influences of Cyclosporine Via COX-2/Endothelin ETB Receptor crosstalk FASEB J April 9, 2013 27:654.9
52. El-Mas MM, Abdel-Halim RM, Helmy MW, El-Gowell HM. Endothelin ETA/ETB receptors modulate the hemodynamic interaction of cyclosporine with selective and nonselective nonsteroidal antiinflammatory drugs in rats FASEB J April 9, 2013 27:654.8
53. El-Mas MM, Abdel-rahman AA. The ERK/MAPK-Dependent Pressor Effect Of Intra-RVLM Ethanol Is Tonically Attenuated By Local Phosphatases In Normotensive Rats FASEB J April 9, 2013 27:654.7
54. Gohar EY, El-gowilly SM, El-Gowell HM, El-Mas MM. Nicotine Paradoxically Alters The Facilitatory Action Of Estrogen And Progesterone On Adenosine Receptor-Mediated Renal Vasodilations FASEB J April 9, 2013 27:654.6
55. El-Mas MM, El-Gowell HM, Fouda MA, El-Gowilly SM. Modulation Of The Baroreflex Depressant Effect Of Chronic Nicotine In Female Rats By Nitric Oxide Synthase And Heme Oxygenase FASEB J April 9, 2013 27:654.5
56. Fan M, El-Mas MM, Abdel-rahman AA. Preserved Left Ventricular Performance In Spontaneously Hypertensive Rats Following Preload And Afterload Challenges FASEB J April 9, 2013 27:654.4



57. El-Mas MM, Abdel-rahman AA. The Estrogen-Mediated Control Of Blood Pressure And Cardiovascular Autonomic Control Are Differentially Modulated By Endothelial And Neuronal Nitric Oxide Synthases FASEB J April 9, 2013 27:654.3
58. El-Mas MM, Abdel-rahman AA. Cardiovascular Autonomic Activity Modulation By Nitric Oxide Synthases Mediates The Augmented Enalapril-Evoked Hypotension In Ethanol-Fed Female Rats FASEB J April 9, 2013 27:654.2
59. Nasser SA, Elmallah AI, Sabra R, Khedr MM, Mohy El-Din MM, El-Mas MM. On The Mechanism Of The Cyclosporine-Evoked Facilitation Of The Vasoconstrictor Activity Of Angiotensin II In The Rat Aorta FASEB J April 9, 2013 27:1b593
60. Nasser SA, Elmallah AI, Sabra R, Khedr MM, Mohy El-Din MM, El-Mas MM. Endothelin ETA Receptor-Mediated Nitric Oxide Synthase Inhibition Underlies Cyclosporine Impairment Of Cholinergic Vasorelaxations In Rats FASEB J April 9, 2013 27:1b597
61. Mariam A Badawi, Hanan M El-Gowell, Hoda Omar, Ahmad Raafat, Mona Marei and Labiba K El-Khordagui. Composite of anti-microbial nanofiberreinforced chitosan membrane for wound healing. The 14th Arab International Conference of Material Science. "Materials for Biomedical Applications", Alexandria, Egypt 1-3 December 2013, Abstract booklet page 82.(Presenting Author)
62. Nesma El-Sayed, Sally Galal, Hanan El-Gowell, Hoda Omar and Labiba El-Khordagui. Wound Healing Properties of Methylene Blue-Eluting Nanofibers in an Immunocompromized Rat Model. The 14th Arab International Conference of Material Science. "Materials for Biomedical Applications", Alexandria, Egypt 1-3 December 2013, Abstract booklet page 90.
63. Nesma El-Sayed, Sally Galal, Hanan El-Gowell and Labiba El-Khordagui. Methylene Blue-loaded Polyhydroxybutyrate Membranes for Reduction of Post-surgery Peritoneal Adhesions. DUPHAT 2013 (Dubai International and Technologies Conference & Exhibition) in Dubai International Convention Center, Dubai, United Arab Emirates



64. Nautiyal M, Shaltout HA, Chappell MC, Diz DI. Reduction in central mitochondrial ROS improves cardiovagal baroreflex function independent of blood pressure in (mRen2)27 rats. FASEB J;27:890.4, 2013.
65. Marshall AC, Shaltout HA, Pirro NT, Diz DI, Chappell MC. Differential Expression of Renin-Angiotensin System Components in the Choroid Plexus of Betamethasone Exposed and Control Sheep. FASEB J;27:1107.12, 2013.
66. Tegeler C, Lee SW, Tegeler CL, Shaltout HA, Correlation between temporal lobe EEG asymmetry and heart rate variability. Neurology. Feb 12, 2013; 80: P03:031. Presented in poster form at the American Academy of Neurology meeting, March 17-22, 2013
67. Nautiyal M, Shaltout HA, Chappell MC, Diz DI. Combined Intracerebroventricular Angiotensin-(1-7) and Candesartan Normalizes Blood Pressure and Improves Baroreflex Function in Transgenic (mRen2)27 Hypertensive Rats. Hypertension 62:A607, 2013. AHA Council of High Blood Pressure Research meeting, September 11-14, 2013, New Orleans, LA.
68. Marshall AC, Shaltout HA, Pirro NT, Rose JC, Diz DI, Chappell MC. Antenatal Betamethasone Exposure Reduces Ang-(1-7) but Enhances Angiotensin-Converting Enzyme and a Thiol Peptidase to Metabolize Ang-(1-7) in the Cerebrospinal Fluid. AHA-CHBPR 67th meeting. Hypertension 2013, 62: A177.
69. Schaich CL, Shaltout HA, Howlett AC, Diz DI. Chronic systemic CB1 cannabinoid receptor blockade reduces weight gain and improves baroreflex function and heart rate variability in hypertensive (mren2)27 rats. AHACHBPR 67th meeting. Hypertension 2013, 62: A183
70. Schaich CL, Howlett AC, Shaltout HA, Thomas BF, Grabenauer MA and Diz DI. Chronic systemic CB1 cannabinoid receptor blockade reduces blood pressure and improves baroreflex function in angiotensin II-dependent hypertension. Presented at posters at the 2013 Carolina Cannabinoid Collaborative (CCC) Conference. October 25-27, 2013 Virginia Commonwealth University, Richmond, VA.



71. Wagoner AL, Shaltout HA, D'Agostino RB, Diz DI, Fortunato JE. Relationship of arginine vasopressin and blood pressure in patients with orthostatic intolerance and nausea. AHA-CHBPR 67th meeting. Hypertension 2013, 62: A261.
72. Fortunato JE, Wagoner AL, Shaltout HA and Diz DI. Increase in Arginine Vasopressin is Associated with the Reduction in Blood Pressure in Patients with Chronic Nausea and Orthostatic Intolerance. Oral presentation. JPGN 2013, 57: S1, e97.
73. Wagoner AL, Shaltout HA, D'Agostino RB, Diz DI, Fortunato JE. Relationship of arginine vasopressin and blood pressure in patients with orthostatic intolerance and nausea. International Society of Hypertension New Investigators' Symposium New Orleans, LA, September 2013.
74. Tegeler C, Tegeler CL, Lee SW, Shaltout HA and Pajewski NM. Neuraloscillatory intervention for auto-calibration improves EEG asymmetry and heart rate variability. To be presented at American Neurological Association meeting, Ann Neurol 2013, 74: S17-S77. Presented in poster form at the American Neurological Association Annual Meeting, New Orleans, LA, October 14-15, 2013.
75. Tegeler CH, Tegeler CL, Lee SW, Cook JF, Shaltout HA. High-resolution, relational, resonance-based electroencephalic mirroring (HIRREM) reduces symptoms and EEG asymmetry in an individual with PTSD. Annals of Neurology 2013, 74: S17-S77. Presented in poster form at the American Neurological Association Annual Meeting, New Orleans, LA, October 15, 2013.
76. Fortunato JE, Tegeler CL, Cook JF, Lee SW, Franco ME, Pajewski NM, Shaltout HA, Tegeler CH. (2013). Case series using high-resolution, relational, resonance-based, electroencephalic mirroring (HIRREM) for POTS. Clin Autonomic Res, 23(5): 269-70. Presented in poster form at the 24th International Symposium on the Autonomic Nervous System, October 23-26, 2013.
77. AM Senbel, LM Abdel-moneim, TT Daabees, Fouad HM. Evaluation of Larginine on Kidney Function and Vascular Reactivity Following Ischemic Injury in Rats: Protective Effects and Potential Interactions. Pharmacology



- 2013 (British Pharmacological Society winter meeting), Queen Elizabeth II Conference Centre, Westminster, London. Proceedings of the British Pharmacological Society at <http://www.pA2online.org/abstracts/Vol11Issue3abst104P.pdf>
78. NA Nour El-Din, AM Senbel, MM Mohy El-Din. In Vitro Evaluation of Indomethacin, Ketoprofen, Diclofenac and Celecoxib on Erectile Function. Pharmacology 2013 (British Pharmacological Society winter meeting), Queen Elizabeth II Conference Centre, Westminster, London. Proceedings of the British Pharmacological Society at <http://www.pA2online.org/abstracts/Vol11Issue3abst079P.pdf>
79. Senbel AM, Helmy MM. Lead acetate may cause erectile dysfunction by modulating NO/cGMP pathway in rat corpus cavernosum. Cell biology and toxicology. 2013;29(5):355-64.
80. A Hashad NM, A Nygren, S Brett, O Harraz, D Welsh. Calcium influx pathways underlying STOC production in cerebral arteries. Journal of Vascular Research. 2014;51.
81. Harraz O, Brett S, Wilson S, Welsh D. CaV3.2 knockout mice display enhanced myogenic tone due to reduced BKCa-mediated feedback (1077.3). The FASEB Journal. 2014;28(Supplement 1).
82. Abd El-Rahman RR, Harraz OF, Brett SE, Anfinogenova Y, Mufti RE, Goldman D, et al. Identification of L- and T-type Ca²⁺ channels in rat cerebral arteries: role in myogenic tone development. American journal of physiology Heart and circulatory physiology. 2013;304(1):H58-71.

2012

1. **El-Mas MM, El-Gowell HM, Gohar EY, El-gowilly SM.** Influence of chronic nicotine on acetylcholine-evoked renal vasodilations in female rats: dose dependency and ovarian hormonal modulation *FASEB J* March 29, 2012, 26, 1051.7
2. **El-Mas MM, El-Gowell HM, Elsalakawy LK, El-gowilly SM.** Nitric oxide synthase, but not heme oxygenase, mediates the adenosine a2b receptor-



- sensitive renal vasodilations in female rats *FASEB J* March 29, 2012, 26, 1051.6
3. **El-Mas MM**, Fan M, Abdel-Rahman AA. Role of rostral ventrolateral medullary erk/jnk/p38 mapk signaling in the pressor effects of ethanol and its oxidative product acetaldehyde in shrs *FASEB J* March 29, 2012, 26, 1115.14
 4. **El-Mas MM**, Abdel-Rahman AA. Enhanced catabolism to acetaldehyde in rostral ventrolateral medullary neurons accounts for the pressor effect of ethanol in shrs *FASEB J* March 29, 2012, 26, 1115.13
 5. **El-Mas MM**, **El-Gowell HM**, **Fouda MA**, **El-gowilly SM**. Inhibition of the estrogen-mediated cardiac vagal control accounts for the baroreflex depressant effect of chronic nicotine in female rats *FASEB J* March 29, 2012, 26, 1124.9
 6. Elsheikh MA, Elnaggar YSR, **Gohar EY**, Abdallah OY. Impact of Nanomedicine on the In-vitro and In-vivo Characteristics of Raloxifene Hydrochloride. An abstract and poster presentation in the FUA International Conference on Pharmaceutical Technologies 2012, Future University, Cairo, Egypt.
 7. **Harraz OF**, Welsh DG. Protein kinase A-mediated inhibition of the T-type Ca²⁺ channels in the cerebral circulation. **FASEB J. Experimental Biology** 2012, San Diego, CA.
 8. Marshall A, **Shaltout HA**, Nautiyal M, Arter A. Chappell MC and Diz DI. Fetal Betamethasone Exposure and Age Influence the Expression of AT7/mas Receptors in the Solitary Tract Nucleus. Experimental Biology Meeting, April 2012, San Diego CA.

2011

9. **El-Mas MM**, **El-Gowell HM**, **Fouda MA**, **Helmy MM**. Dose Dependency and autonomic modulation of the depressant effect of chronic nicotine on reflex chronotropic responses in female rats. *FASEB J* 2011, 25, 1084.1
10. **El-Mas MM**, **Omar AG**, **Helmy MM**, **Mohy El-Din MM**. Autonomic and redox states modulate the moxonidine-cyclosporine hemodynamic and baroreflex interactions. *FASEB J* 2011, 25, 1084.2
11. **El-Mas MM**, **El-gowilly SM**, **Fouda MA**, **Saad EI**. Central adenosine receptors differentially contribute to the nicotine-induced attenuation of reflex tachycardic responses to baroreceptor unloading. *FASEB J* 2011, 25, 1084.3
12. **El-Mas MM**, Fan M, Abdel-Rahman AA. Modulatory roles of constitutive and inducible nos in the ethanol-evoked hypotension and cardiac autonomic dysfunction in female rats. *FASEB J* 2011, 25, 1084.4
13. **El-Mas MM**, Abdel-Rahman AA. Myocardial contractility and autonomic imbalances contribute to the estrogen-dependent hypotensive effect of chronic ethanol in rats *FASEB J* 2011, 25, 1084.5



14. **Abd-Elrahman KS, El-Gowell HM, , Saad EI, Abdel-Galil AA, El-Mas MM.** PPAR γ dependence of the cyclosporine-isoprenaline renovascular interaction: roles of nitric oxide synthase and heme oxygenase. *FASEB J* 2011, 25, 1087.8
15. **Abd El-Rahman RR, Brett SE, Anfinogenova Y, Harraz OF, Turner R, Welsh DG.** L- and T- Type Calcium Channels in Cerebral Arteries. **FASEB J.**, 25:1024.18. *Experimental Biology-2011*, Washington DC.
16. **Mai M Helmy** (2011): Effect of α -tocopherol or simvastatin treatment on pro-oxidant antioxidant balance in the liver of aged rats. EPHAR Symposium, 6 – 7/6/ 2011, Istanbul, Turkey.
17. **Mai M Helmy and Amira M Senbel** (2011): Evaluation of vitamin E in the treatment of erectile dysfunction in aged rats. EPHAR Symposium, 6 – 7/6/ 2011, Istanbul, Turkey.
18. **Mohamed AM** and de Chaves EP. Amyloid Beta peptide inhibits cholesterol synthesis leading to inhibition of small GTPases prenylation: A new mechanism of A β -induced neurotoxicity. Poster presentation in Canadian Student Health Research Forum in Winnipeg June 2011.
19. **Omar MA,** Verma S, Clanachan AS. Role of p38 mitogen-activated protein kinase (p38 MAPK) in adenosine-mediated inhibition of glycolysis and improved left-ventricular (LV) mechanical function. Society of Heart and Vascular Metabolism 9th Annual Scientific Session, Brussels,Belgium, 2011
20. Fortunato JE, **Shaltout HA,** Larkin MM, Rowe PC, Koch KL, Diz DI. Chronic Idiopathic Nausea in Children Associated with Orthostatic Intolerance Improves After Treatment with Fludrocortisone. Digestive disease week meeting May 2011, Chicago, IL.
21. De Lima DC, **Shaltout HA,** Coimbra CC and Diz DI. The Hyperglycemic and Hypotension Adjustments to Hemorrhage are Impaired by Metabolic and Cardiovascular Challenges Induced by Hypercaloric Diet in [TGR(ASrAogen)] Rats. VIII International Symposium on Vasoactive Peptides 2011, April 28-31, Ouro Petro, Brazil.
22. Diz DI, Rose JC, Chappell MC and **Shaltout HA.** Fetal Programmed Hypertension in Sheep: Functional Imbalance of Ang II and Ang-(1-7) Contributes to Baroreflex Dysfunction. VIII International Symposium on Vasoactive Peptides 2011, April 28-31, Ouro Petro, Brazil.
23. Su Y, **Shaltout HA,** Figueroa JP, Chappell M and Rose JC. Effect of Early Glucocorticoid Treatment on GR and MR Expression in Adult Sheep Kidney. *Reproductive Sciences*, 18 (3): 220A, 2011.
24. Marshall A, Nautiyal M, **Shaltout HA,** Chappell MC and Diz DI. Cellular Localization and Regulation of Angiotensin Peptide Receptor Subtypes in Sheep Brain Medulla: Effects of in Utero Exposure to Glucocorticoid. Wake Forest Eleventh Annual Graduate Student and Postdoctoral Research Day.
25. **Shaltout HA,** Rose JC, Chappell MC and Diz DI. Antenatal Betamethasone Exposure Causes Impairment of Baroreflex for Control of Heart Rate That



- Precedes Elevation in Blood Pressure. AHA-CHBPR 65th meeting. Hypertension 58 (4): E76, 2011.
26. Fortunato JE, Diz DI and **Shaltout HA**. Fludrocortisone Acetate Improves Baroreflex Sensitivity and Heart Rate Variability during Tilt in Children with Postural Orthostatic Tachycardia Syndrome. AHA-CHBPR 65th meeting. Hypertension 58 (4): E117, 2011.
27. Diz DI, Garcia-Espinosa MA, **Shaltout HA**, Olson J, Bourland JD and Groban L. Correlation of the Brain Medullary Metabolites N-acetyl Aspartic Acid and N-acetyl Aspartyl Glutamate with the Age Related Decline in Sensitivity for Baroreflex Control of Heart Rate in Humans. AHA-CHBPR 65th meeting. Hypertension 58 (4): E116, 2011.
28. Nautiyal M, **Shaltout HA**, Chappell MC and Diz DI. Chronic Intracerebroventricular Angiotensin-(1-7) Infusion, but not AT1 Receptor Blockade, Improves Vagal Components of the Baroreflex Function In Hypertensive (mRen2)27 Transgenic Rats. AHA-CHBPR 65th meeting. Hypertension 58 (4): E96, 2011.
29. Marshall A, **Shaltout HA**, Nautiyal M, Arter A. Chappell MC and Diz DI. Localization and Regulation of Angiotensin Receptor Subtypes in Sheep Solitary Tract Nucleus: Effects of In Utero Exposure to Glucocorticoid. AHA-CHBPR 65th meeting. Hypertension 58 (4): E75, 2011.
30. De Lima DC, **Shaltout HA**, Coimbra CC and Diz DI. Hypercaloric diet impairs cardiovascular but not metabolic adjustments to hemorrhage in older [TGR (ASrAogen)] rats. AHA-CHBPR 65th meeting. Hypertension 58 (4): E164, 2011.
31. **El-Yazbi AF**, Walsh E, Walsh M, and Cole W. Potential involvement of actin cytoskeleton reorganization in generation of the arterial myogenic response. *FASEB J* 25: 1020.3, 2011.

2010

32. Isa K, **Shaltout HA**, Garcia-Espinosa MA, Arnold AC, Chappell MC, Ferrario CM, Diz DI. Brain Immunoneutralization of Ang-(1-12) or Renin Inhibition Improve Autonomic Function in Transgenic (mRen2)27 Hypertensive Rats. *Journal of Hypertension* 28 (S6): 95, 2010. (Oral talk)
33. Arnold AC, Isa K, **Shaltout HA**, Nautiyal M, Ferrario CM, Chappell MC, Diz DI. Angiotensin-(1-12) Is Processed to Angiotensin II for Cardiovascular Actions within the Solitary Tract Nucleus. *Journal of Hypertension* 28 (S6): 183, 2010.
34. **Ali MA**, Cho W, Hudson B, Kassiri Z, Granzier H, Schulz R. Titin is a target of MMP-2: implications in myocardial ischemia/reperfusion injury. *Cardiovascular Retreat/ Cardiac Sciences Research Day*. June 10-11th, 2010. University of Alberta.



35. **Ali MA**, Cho W, Hudson B, Kassiri Z, Granzier H, Schulz R. Titin is a target of MMP-2: implications in myocardial ischemia/reperfusion injury. The World congress of the International Society for Heart Research, May 13-16th 2010, Kyoto, Japan.
36. **Amira M. Senbel** (2010). Interaction between Nitric Oxide and Dopaminergic Transmission in the Peripheral Control of Penile Erection. Basic & Clinical Pharmacology & Toxicology, 107 (Suppl. 1), 162–692. Paper number 759, p 406 .WorldPharma 2010, the 16th Congress of Basic and Clinical Pharmacology.
37. **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**, (2010). Novel Selective COX-2 inhibitor Pyrazole Derivative Proven Effective as Anti-inflammatory and Analgesic Drug. 51st Annual Conference of ESPET, Abstract P-18, p 28.
38. Mohamed M. Khedr , **Elham A. Afify**, Amal G. Omar , Suzanne A. Nasser (2010): Differential role of K_{ATP} channel modulators on morphine-induced antinociception and oxidative stress in experimental models of acute and inflammatory pain. First international pharmaceutical conference " Recent advances in pharmaceutical research and technology (RAPPRT)" 6-7 May 2010.
39. **El-Mas MM, El-gowilly SM, Fouda MA, and Saad EI**. Acute nicotine attenuates reflex tachycardia in male rats via inhibition of baroreceptor-mediated cardiac sympathetic control. FASEB J 2010, 24, 961.2
40. **El-Mas MM, El-gowilly SM, Fouda MA, and Saad EI**. Estrogen Protects Female Rats Against The Nicotine-Induced Attenuation Of Reflex Tachycardia: Role Of Central Estrogen Receptors. FASEB J 2010, 24, 961.3
41. **El-Mas MM, Omar AG, Helmy MM, and Mohy El-Din MM**. Amelioration By Tempol Of The Hypertensive And Baroreflex Depressant Effects Of Cyclosporine In Conscious Rats: Role Of Cardiac Autonomic Control. FASEB J 2010, 24, 961.5.
42. **El-Mas MM, Omar AG, Helmy MM, and Mohy El-Din MM**. Modulation Of Cyclosporine-Induced Hypertension By Central Endothelial And Neuronal Nitric Oxide Synthases. FASEB J 2010, 24, 959.10.
43. **El-Mas MM, El-Gowell HM, Saad EI, Abd-Elrahman KS, and Abdel-Galil AA**. Pioglitazone Ameliorates Cyclosporine-Induced Attenuation Of Carbachol Renovascular Vasodilations: Role Of PPAR γ /Nitric Oxide Synthase Signaling. FASEB J 2010, 24, 959.11.
44. **El-Mas MM, El-Gowell HM, Harraz OF, Ghazal AM, and Mohy El-Din MM**. Adenosinergic Modulation Of The Imidazoline I1-Receptor-Dependent Hypotensive Effect Of Ethanol In Acute Renal Failure. FASEB J 2010, 24, 961.10
45. **El-Mas MM, El-Gowell HM, Saad EI, Abd-Elrahman KS, and Abdel-Galil AA**. Improved Antioxidant And Lipid Profiles Underlie The Protective Effect Of



- Pioglitazone Against Cyclosporine-Induced Endothelium Dysfunction In Isolated Rat Aortas. *FASEB J* 2010, 24, 961.13.
46. Zhong X, Walsh E, **El-Yazbi A**, Cole W. Heteromultimeric Kv2.1/Kv9.3 channels contribute to myogenic control of rat middle cerebral arterial (RMCA) diameter. *FASEB J* 24: 1033.8, 2010.
47. **El-Yazbi AF**. Possible involvement of cytoskeletal reorganization in PKC induced cerebroarterial constriction. *FASEB J* 24: 957.7, 2010.
48. **El-Yazbi AF**, Walsh EJ, Walsh MP, and Cole WC. Myogenic constriction occurs in the absence of a detectable increase in pLC20 in the presence of agonist-induced tone. *FASEB J* 24: 956.1, 2010.
49. **Mohamed AM**, Saavedra L, and de Chaves E P. Amyloid beta (A β) peptide causes intracellular cholesterol sequestration via inhibiting Rab prenylation: A new mechanism of A β neurotoxicity. A poster # 39 in FEBS/IUBMB meeting, Spetses-Greece- June 2010
50. **Omar MA**, Verma S, Clanachan AS. Inhibition of 5'-AMP-activated protein kinase and glycolysis as a mechanism of cardioprotection by adenosine. Society of Heart and Vascular Metabolism 8th Annual Scientific Session, Kananaskis, Alberta, 2010.
51. **Omar MA**, Verma S, Clanachan AS. Cardioprotection by adenosine (Ado): role of AMPK and PFK-2 in Ado-mediated inhibition of glycolysis. Purines 2010: Adenine Nucleosides and Nucleotides in Biomedicine, Tarragona, Spain, 2010.
52. Khedr M.M., Afify E.A., **Omar AG**. and Nasser S.A. (2010): Differential role of KATP Channel modulators on morphine-induced antinociception and oxidative stress in rats. Recent Advances in Pharmaceutical Research and Technology, Beirut Arab University, Beirut, Lebanon, pp39.
53. **Shaltout HA**, Rose JC, Chappell MC and Diz DI. Modulation of Baroreflex Sensitivity by Endogenous Angiotensins in Lamb Solitary Tract Nucleus. *FASEB J*. 2010 24:624.7
54. Arter A, Nautiyal M, **Shaltout HA**, Chappell MC and Diz DI. Mas and AT1 Receptor Expression in Adult Sheep Dorsomedial Medulla. *FASEB J*. 2010 24:625.5
55. Gwathmey TM, **Shaltout HA**, Nixon PA, Rose JC, Washburn LK and Chappell MC. Sex and Racial Background Influence Angiotensin Peptide Metabolism in Young Adults. *FASEB J*. 2010 24:1024.31
56. Gwathmey TM, **Shaltout HA**, Nixon PA, Rose JC, Washburn LK and Chappell MC. Antenatal Steroid Exposure is Associated with Reduced Urinary ACE2 Activity in Adolescents. *FASEB J*. 2010 24:605.1
57. Westwood BM, Gwathmey TM, **Shaltout HA**, Diz DI, Rose JC and Chappell MC. Immunocytochemical Distribution of the Ang-(1-7)/ Mas Receptor in the Sheep Kidney. *FASEB J*. 2010 24:605.6
58. Fortunato JE, **Shaltout HA**, Larkin MM, Rowe PC, Koch KL, Diz DI. Fludrocortisone Acetate: A Novel Treatment for Chronic Idiopathic Nausea in



Children with Orthostatic Intolerance with Autonomic Instability. American Autonomic Society 21st international symposium at Marco Island, Florida, November 3-6, 2010

59. **Shaltout HA**, Rose JC, Chappell MC and Diz DI. Antenatal Betamethasone Exposure Attenuates the Functional Role of Angiotensin-(1-7) in the NTS. AHA-CHBPR 64th meeting. Hypertension 2010 56: E103.

2009

60. **Ali MA**, Chow AK, Crawford B, Simmen T, Schulz R. The signal sequence of MMP-2 dictates its unusual subcellular distribution. Canadian Cardiovascular Congress 2009, Oct. 24- 28, Edmonton AB. *Can J Cardiol* 2009 25:003SB
61. **Ali MA**, Cho W, Granzier H, Schulz R. Matrix metalloproteinase-2 co-localizes with titin in cardiac myocytes and contributes to its proteolysis in ischemia-reperfusion injury. Experimental Biology 2009, New Orleans, LA. *FASEB J.* 2009;23:812.11. Page 6 of 6
62. Tawfik H, **Ali MA**, Schulz R, Kaufman S. Effect of Multiparity on Vascular Compliance and Collagen Content. Experimental Biology 2009, New Orleans, LA. *FASEB J.* 2009;23:951.7.
63. **El-Mas MM**, Abdel-Rahman AA. Longitudinal assessment of the modulatory effect of estrogen on blood pressure and cardiac autonomic activity in female rats. *FASEB J* 2009, 23, 577.8
64. **El-Mas MM**, Fan M, Abdel-Rahman AA. Upregulation of cardiac NOS due to endotoxemia and vagal overactivity contributes to the hypotensive effect of chronic ethanol in female rats. *FASEB J* 2009, 23, 932.16
65. **El-Yazbi AF**, Johnson RP, Takeya K, Walsh EJ, Walsh MP, and Cole WC. Molecular evidence for the involvement of calcium sensitization in serotonin-induced cerebrovascular constriction. *FASEB J* 23:931.1, 2009.
66. Somiraa S. Said, Affaf K. Aloufy, **Hanan M. El-Gowell**, Nabila A. Boraie and Labiba K. El-Khordagui. Controlled delivery fusidic acid ultrafine fibers for accelerated healing of infected wounds. Nanotech Europe Conference, Berlin, Germany, 28-30 September, 2009
67. **Mohamed AM**, Saavedra L, and de Chaves EP. Impairment of cholesterol trafficking plays a role in amyloid beta peptide toxicity. A poster # 43.18 in Society for Neuroscience conference, Chicago-Oct.2009
68. **Omar MA**, Wang L, Clanachan AS. Cardioprotection by glycogen synthase kinase-3 inhibition: role of reduced proton production from glucose metabolism and attenuation of calcium overload. American Heart Association Scientific Sessions, Orlando, Florida, USA, 2009
69. **Omar MA**, Wang L, Clanachan AS. Cardioprotection by glycogen synthase kinase-3 inhibition: role of reduced proton production from glucose



- metabolism and attenuation of calcium overload. Canadian Cardiovascular Congress, Edmonton, Alberta, 2009
70. Gwathmey TM, Pendergrass KD, Pirro NT, **Shaltout HA**, Reid SD, Rose JC and Chappell MC. Nuclear AT₂ Receptors Mediate Angiotensin II-Dependent Generation of Nitric Oxide. *FASEB J.* 2009 23:606.9.
71. Isa K, **Shaltout HA**, García-Espinosa M, Arnold AC, Chappell MC, Ferrario CM, Diz DI. Baroreflex Sensitivity and Heart Rate Variability are Improved by Intraventricular Anti-Ang-(1-12)-IgG in Transgenic (mRen2)²⁷ Hypertensive Rats. *FASEB J.* 2009 23:612.3.
72. **Shaltout HA**, Figueroa JP, Rose JC, Chappell MC, Averill DB and Diz DI. Antenatal Betamethasone Causes a Shift Towards Angiotensin AT₁ Receptors in Sheep Brain in a Gender Specific Manner. *FASEB J.* 2009 23:941.11.
73. Amy C Arnold, **Shaltout HA** and Debra I Diz. Baroreflex Sensitivity is Impaired in Sprague-Dawley Rats with Spontaneous Hydronephrosis Independent of Angiotensin II Actions in the Solitary Tract Nucleus. *FASEB J.* 2009 23:957.8
74. **Shaltout HA**, Diz DI, Figueroa JP, Chappell MC, Averill DB and Rose JC. Sympathetic Nervous System Mediated Responses to Behavioral or Pharmacological Challenges Are Exaggerated as a Result of Antenatal Betamethasone. AHA-CHBPR 63rd meeting. Hypertension 54 (4): E101, 2009.
75. Gwathmey TM, Pendergrass KD, **Shaltout HA**, Reid SD, Rose JC, Diz DI and Chappell MC. Steroid-induced Fetal Programming Differentially Alters Nuclear Angiotensin II Receptor Expression and Function. AHA-CHBPR 63rd meeting. Hypertension 54 (4): E42, 2009.
76. Garcia-Espinosa M, **Shaltout HA**, Olson J, Link KM, Diz DI. In Vivo Proton Magnetic Resonance Spectroscopy Detection of Neurotransmitter/Metabolite Concentrations in Dorsomedial Medulla as a Noninvasive Predictor of Autonomic Function. AHA-CHBPR 63rd meeting. Hypertension 54 (4): E48, 2009. (Oral talk).
77. Arnold AC, **Shaltout HA**, Gallager PE and Diz DI. Protein Phosphatase 1b Activity in the Solitary Tract Nucleus Is Necessary for Normal Baroreflex Function. AHA-CHBPR 63rd meeting. Hypertension 54 (4): E100, 2009.

2008

78. **Ali MA**, Simmen T, Crawford B, Schulz R. Matrix metalloproteinase-2 splice variants show reduced targeting to the secretory pathway. Canadian Cardiovascular Congress. October 25- 29th 2008, Toronto, ON. *Can J Cardiol* 2008 24:87E.



79. Arulmozhi DK, **Ali MA**, Chow AK, Jay D, Schulz R. Matrix metalloproteinase-2 mediated cleavage alters the kinase activity of glycogen synthase kinase-3 β . Canadian Cardiovascular Congress. October 25-29th 2008, Toronto, ON. *Can J Cardiol* 2008 24:82E.
80. **Ali MA**, Cho W, Granzier H, Schulz, R. Matrix metalloproteinase-2 co-localizes with titin in cardiac muscle and contributes to its degradation upon ischemia-reperfusion injury. Cardiac Sciences Research Day. June 5-6th, 2008, Mazankowski Alberta Heart Institute Inaugural Congress, Edmonton, AB, Canada.
81. **Ali MA**, Sung M, Tran T, Crawford B, Rosenfelt C, Sawicki G, Bishopric N, Schulz R. Matrix metalloproteinase-2 contributes to hydrogen peroxide induced cardiac myocyte apoptosis. Experimental Biology. April 5-9th 2008, San Diego, CA, USA. *FASEB J*. 2008 22:1b645.
82. Tawfik HE, **Ali MA**, Schulz R, Jacob S. Effect of parity on vascular compliance and collagen content. Annual Western Perinatal Research Meeting. February 14-17th, 2008, Banff, AB, Canada.
83. **Amira M. Senbel** (2008). Functional Inhibition of Erectile Process in Rats by Indomethacin. XXXI Conference of Pharmaceutical Sciences, Egyptian Pharmaceutical Society. Abstract PHC 6, p 159.
84. Nasr MA, **El-gowilly SM**, **El-Mas MM** (2008). A comparative study of the protective effect of simvastatin and moxonidine against renovascular toxicity induced by smoking in rats. *FASEB J* 22, Abstract # 1129.11
85. **El-gowilly SM**, **Ghazal AM**, **Goher EY**, and **El-Mas MM** (2008). Additive impairment of β -adrenoceptor-mediated renal vasodilation by nicotine and cyclosporine. *FASEB J* 22, Abstract # 1129.10
86. **El-Mas MM**, **Omar AG**, **Helmy MM**, **Mohy El-Din MM** (2008). Nitric oxide modulation of central imidazoline I₁ receptors accounts for the hypertensive effect of cyclosporine in rats. *FASEB J* 22, Abstract # 1129.9.
87. **El-Mas MM**, **El-gowilly SM**, **Goher EY**, **Ghazal AM** (2008). Gender and estrogen specificity of the renal vasodilatory effect of nicotine in rats. *FASEB J* 22, Abstract # 1129.8.
88. **El-Mas MM**, **El-gowilly SM**, **Goher EY**, **Ghazal AM** (2008). Roles of nitric oxide and K⁺ channels in the vasodilatory action of nicotine in the rat renal vasculature. *FASEB J* 22, Abstract # 1129.7.
89. **El-Mas MM** and Abdel-Rahman AA (2008). Ethanol feeding enhances the hypotensive action of enalapril in telemetered female rats: Role of bradykinin B₂ receptors. *FASEB J* 22, Abstract # 1129.6.
90. **El-Mas MM**, Fan M and Abdel-Rahman AA (2008). Ethanol lowers blood pressure in conscious female rats via enhancing the phosphorylation of myocardial neuronal nitric oxide synthase. *FASEB J* 22, Abstract # 1129.5.
91. **Omar MA**, Clanachan AS. Cardioprotection by stimulation of glycogen synthesis at reperfusion. The IXth World Conference on Clinical Pharmacology and Therapeutics - CPT2008



92. **Omar MA**, Gandhi M, Clanachan AS. Glycogen: importance in myocardial metabolism and function. Mazankowski Inaugural Congress, Cardiac Sciences Day, Alberta Cardiovascular Retreat, Edmonton, Alberta, 2008
93. **Sahar M. El-Gowilly** (2008): Metoprolol attenuates renal dysfunction evoked by cyclosporine A. 1st Scientific Conference of Faculty of Pharmacy Cairo University. # PHT4
94. **Shaltout HA**, Figueroa JP, Rose JC, Chappell MC, David B. Averill DB and Diz DI, Deleterious Cardiovascular Effects of Antenatal Betamethasone Exposure in Young and Adult Sheep. FASEB Journal 22:1129.16, 2008
95. Gwathmey TM, **Shaltout HA**, Diz DI, Figueroa JP, Rose JC, and Chappell MC. Steroid-Induced fetal programming differentially alters angiotensin II receptor subtype expression in the sheep kidney, FASEB Journal 22:735.15, 2008.
96. Gwathmey TM, **Shaltout HA**, Nixon PA, O'Shea MT, Rose JC, Chappell MC and Washburn LK, Gender Differences in Angiotensin Metabolism of Adolescents. FASEB Journal 22:940.6, 2008.
97. Westwood BM, **Shaltout HA** and Chappell MC. Modeling of Angiotensin Peptide Metabolism in Renal Proximal Tubules. Proceedings of the ASME 2008 Summer Bioengineering Conference (SBC2008,181-182).
98. **Shaltout HA**, Figueroa JP, Rose JC, Diz DI and Chappell MC. Reduced Renal ACE2 in Fetal Programmed Hypertension. Oral talk, Hypertension 52 (4): E 52, 2008.
99. **Shaltout HA**, Figueroa JP, Rose JC, Chappell MC, David B. Averill DB and Diz DI. Evidence of Ang-(1-7) Deficiency in Antenatal Betamethasone-treated Young Adult Sheep. Hypertension 52 (4): E107,2008.
100. Arnold AC, **Shaltout HA**, Gallager PE, Ganten D, Ferrario CM and Diz DI. Leptin Impairs Baroreflex Sensitivity at the Level of the Solitary Tract Nucleus: Evidence for Up-Regulation of Leptin Actions in Animals with Low Brain Angiotensinogen. Oral talk, Hypertension 52 (4): E50, 2008
101. Garcia-Espinosa MA, **Shaltout HA**, Gallager PE, Chappell MC, Ferrario CM, Ganten D, Reudellhuber TL and Diz DI. Angiotensin-(1-7) Replacement via Gene Transfer in the Cisterna Magna Lowers Blood Pressure and Improves Baroreflex Function in Transgenic (mRen2)27 Rats. Oral talk, Hypertension 52 (4): 36, 2008
102. Garcia-Espinosa M, **Shaltout HA**, Olson J, Link KM, Diz DI. Dorsal Medullary Neurotransmitter Balance of Hypertensive (mRen2)27 Rats and Glial Angiotensin-deficient AsrAogen Rats Detected by in vivo ¹H MRS Complements Differences in Baroreflex and Autonomic Function. Magnetic Resonance Materials in Physics, Biology and Medicine 21 (S1): 21, 2008.



2007

103. **Ali MA**, Sung M, Tran T, Crawford B, Rosenfelt C, Sawicki G, Bishopric N, Schulz R. Inhibitors of matrix metalloproteinases prevent H₂O₂-mediated cardiac myocyte membrane permeabilization and death. WPS/CPS Pharmacology and Therapeutics Conference. March 4-8th, 2007, Banff, AB.
104. **Omar MA**, Clanachan AS. Cardioprotection of the ischemic myocardium by stimulation of glycogen synthesis at reperfusion. Joint meeting: Western Pharmacology Society, Pharmacological Society of Canada, Canadian Society of Clinical Pharmacology, and Swiss Society of Pharmacology and Toxicology. Banff, Alberta, 2007.
105. **El-Yazbi AF**, Sommer B, Bazan-Perkins B, Cho WJ, Montano LM, and Daniel EE. H₁- and 5-HT_{2A}-receptor-mediated contraction of bovine tracheal smooth muscle requires intact caveolae and occurs through the activation of Rhodopsin-dependent Kinase. *Pharmacology and Therapeutics Conference*, Banff, March 2007.
106. **El-Yazbi AF**, Cho WJ, Cena J, Schulz R, Daniel EE. Smooth muscle nNOS, co-localized with caveolin-1, modulates depolarization-induced contraction in mouse small intestine. *FASEB J* 21: A808, 2007.
107. **Shaltout HA**, Figueroa JP, Rose JC, Chappell MC, Averill DB and Diz DI. Gender differences in the development of insulin resistance in adult sheep as result of antenatal betamethasone. *FASEB Journal* 21: A434, 2007

Scientific projects

1. Sexual and molecular dimorphism in nicotine protection against renal and hemodynamic derangements of endotoxic shock

Funded by:

Science and Technology Development Fund (STDF)

Project code: 14895

Principle Investigator: Mahmoud M. El-Mas, PhD., Chairman and professor, Department of Pharmacology and Toxicology, Faculty of Pharmacy, Alexandria University, Egypt.

Grant Monetary: 763,400 EGP

Project period: 2015 – 2018



2. Hemeoxygenase modulation of cardiovascular derangements evoked by the combined cyclosporine/NSAIDs regimen in rats: Functional, structural, and molecular studies

Funded by: Alex-Rep Grant (HLTH)

Project code: 13-01

Principle Investigator: Mahmoud M. El-Mas, PhD., Chairman and professor, Department of Pharmacology and Toxicology, Faculty of Pharmacy, Alexandria University, Egypt.

Grant Monetary: 130,000 EGP

Project period: 2014-2016

3. Interaction of prostanoids with phosphodiesterase 5 inhibitors used in pulmonary hypertension and erectile dysfunction

Funded by: French Ministry of Foreign Affairs and Academy of Science & Technology, Egypt

Project code: 502

Principle Investigator: Amira M. Senbel, PhD., Assistant professor, Department of Pharmacology and Toxicology, Faculty of Pharmacy, Alexandria University, Egypt.

Grant Monetary: 100,000 L.E. from the Egyptian side and 20,730 euros from the French side

Project period: March 2014- March 2016

4. Establishing a cell culture laboratory in the Medical Campus in Alexandria University (ALEX-REP/AURF, L.E. 500,000, 2014).

Funded by: ALEX-REP/AURF

Grant Monetary: 500,000 EGP

Project period: September 2014- September 2015



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دليل القسم 2020

5.Hemodynamic and renal effects of nicotine in rats with surgical menopause.

Funded by: Science and Technology Development Fund (STDF)

Project code: 502

Principle Investigator: Mahmoud M. El-Mas, PhD.,
Chairman and professor, Department of Pharmacology and Toxicology, Faculty of Pharmacy, Alexandria University, Egypt.

Grant Monetary: 1000,000 EGP

Project period: March 2010 – November 2012



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دليل القسم 2020

المؤتمرات العلمية التي شارك فيها أعضاء القسم في الفترة من 2006 الى 2020

Attendee	Conference title	Date
Prof.Dr. ElhamAwadAfify	2nd PUA international conference " multidisciplinary approaches in pharmaceutical sciences, at Pharos University in Alexandria, Egypt.	11th-12th March 2020
Prof.Dr. Mai Helmy	The 3rd International Conference on Traditional Medicine, Pharmacy and Pharmaceutical Sciences. Ostia Antica Park Hotel, Rome, Italy	22-24 July 2019
Prof.Dr. Mai Helmy	The 58th Annual Egyptian Society of Pharmacology & Experimental Therapeutics . MSA University, Cairo, Egypt	20 April 2019
Prof. Dr. Mahmoud El-Mas	The annual Pharmacology Department Conference, Faculty of Pharmacy, Zagazig Univ., Egypt	Feb 11, 2019
Dr. Marwa Youssef	5th FUE International Conference of Pharmaceutical Sciences, Cairo, Egypt	28-30/1/2019
Prof.Dr. ElhamAwadAfify	International conference on pharmaceutical and healthcare sciences PHS 6-7	November,2019



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دليل القسم 2020

Prof.Dr. Amira Senbel	7th European Workshop for Lipid Mediators, Universite Catholique de Louvain, Brussels, Belguim.	12- 14 September 2018
Prof. Dr. Mahmoud El-Mas	2nd International pharmaceutical Conference, Ain Shams University, Cairo, Egypt	Nov 13-15, 2018
Prof. Dr. Mahmoud El-Mas	Third International Conference "Towards Best Pharmacy Practices: Enhancing Pharmacy Education", Faculty of Pharmacy, Beirut Arab Univ., Lebanon	May 8-9, 2018
Prof. Dr. Mahmoud El-Mas	Experimental Biology Meeting, Chicago, Illinois, U.S.A	April 22-26, 2017
Prof.Dr. ElhamAwadAfify	56th Annual Conference of the Egyptian society of pharmacology and experimental therapeutics (ESPET) & Workshop on Behavioural pharmacology held at the British University in Egypt (BUE) at El-Shorooq City	January, 28th 2017
Prof.Dr. Amira Senbel	13th Congress of the European Association of clinical pharmacology and therapeutics (EACPT 2017)- Prague- Czech Republic.	24-27 June 2017
Prof.Dr. Fouad Sharabi	Immunopharmacology and immunotoxicology conference, November 20-21, Melbourne , Australia	2017



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

Dr.Neveen Elnozahy	Attending The 14th Annual Conference Of The Egyptian Association Of Advancement Of Medical Basic Sciences(EAMBS): Liver Regeneration - Current And Future Trends, Alexandria, Egypt	2017
Prof.Dr. Mai Helmy	The 56th Annual Egyptian Society of Pharmacology & Experimental Therapeutics , British University in Egypt, Cairo, Egypt	28 January 2017
Prof.Dr. Mai Helmy	The 4th FUE International Conference of Pharmaceutical Sciences: Dusit Thani Hotel, Lake View, 5th Settlement, New Cairo, Egypt	31 January-2 February 2017
Prof.Dr. Amira Senbel	Annual meeting of the Scandinavian Physiological Society, Oslo University, Oslo, Norway.	26- 28 August 2016
Dr.Neveen Elnozahy	Attending and Invited reviewer at BioVision conference, New Life sciences: The road ahead, Bibliotheca Alexandrina, Alexandria, Egypt	2016
Dr. Eman Yousry Gohar	Annual Trainee Research Symposium 2016. North Pavilion Atrium, Department of Medicine, University of Alabama at Birmingham, Birmingham, Al.	2 March 2016
Dr. Eman Yousry Gohar	13th Annual Postdoctoral Research Day. Office of Postdoctoral Education, University of Alabama at Birmingham, Birmingham, Al.	15 February 2016
Prof. Dr. Mohamed Elwan	6th Pharmaceutical Care Conference, Muscat, Oman.	3-4 February



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

Dr. Mohammed Fouda	British pharmacology society conference,London, UK.	14 December - 17 2015
Prof.Dr. Mai Mostafa Helmy	The 3rd International Genomic Medicine Conference, Center of Excellence in Genomic Medicine Research, King Abdul Aziz University, Jeddah, KSA.	29 November-3 December 2015
Dr. Eman Yousry Gohar	Cardiovascular, Renal and Metabolic Diseases: Physiology and Gender. APS Conference. Annapolis, Maryland.	17-20 November 2015
Prof. Dr. Mahmoud El-Mas	International Conference on “Advances in Pharmaceutical Sciences”, Pharos Univ., Alexandria, Egypt.	27-29 October 2015
Dr. Eman Yousry Gohar	Inflammation and Cardiovascular Disease: Comprehensive Cardiovascular Center 4th Annual Symposium. Birmingham, Alabama	22-23 October 2015
Dr. Eman Yousry Gohar	26th Annual Vascular Biology and Hypertension Symposium. The Florentine, Birmingham, Alabama	24-25 September 2015
Dr. Eman Yousry Gohar	14th International Conference on Endothelin: Physiology, Pathophysiology and Therapeutics. American Physiological Society Conference. Savannah, Georgia.	2-5 September, 2015



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

Prof.Dr. Mai Mostafa Helmy	The 1st International Conference On Health Between Nutrition And Treatment, Beni-Suef, Egypt.	30-31 August 2015
Prof.Dr. Amira Senbel	10th European congress on Andropause and menopause (EMAS), Hotel Auditorium, Madrid, Spain.	20-23 May 2015
Prof.Dr. Mahmoud El-Mas	Recent Concepts on Cardiovascular Complications, Faculty of Pharmacy, King Abdelaziz University, Saudi Arabia.	19-20 May 2015
Dr. EmanYousryGohar	8th Annual University of Alabama System Scholars Institute Conference. Empowering Today's Learners: Leveraging Innovation, Technology, and Universal Design Center for Teaching and Learning at University of Alabama at Birmingham.	12-13 May, 2015
Dr. EmanYousryGohar	6th Annual UAB Diabetes Research Day. UAB Comprehensive Diabetes Research Center. University of Alabama at Birmingham, Birmingham, Al.	5 May 2015
Dr. EmanYousryGohar	Experimental Biology Meeting (EB2015). Boston.	28 March - 1 April 2015
Dr. EmanYousryGohar	Annual Trainee Research Symposium 2015. North Pavilion Atrium, Department of Medicine, University of Alabama at Birmingham, Birmingham, Al.	4 March 2015



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

Dr. EmanYousryGohar	12th Annual Postdoctoral Research Day. West Pavilion Conference Center, Office of PostDoctoral Education, University of Alabama at Birmingham, Birmingham, Al.	16 February 2015
Prof.Dr. Mohamed Elwan	5th Pharmaceutical Care Conference, Muscat, Oman	11-12 February 2015
Prof.Dr. Mahmoud El-Mas	3rd Future University International Conference of Pharmaceutical Sciences, Cairo, Egypt.	9-11 February 2015
Prof.Dr. Mahmoud El-Mas	Egyptian Society for Pharmacology and Experimental Therapeutics, Cairo, Egypt.	20 December 2014
Prof.Dr. Fouad Sharabi	British Pharmacological Society: Today's science, tomorrow's medicines. Pharmacology, London, U.K.	16-18 December 2014
Prof.Dr. Mahmoud El-Mas	The 6th International Conference on Natural Toxins, Suez Canal University, Ismailia, Egypt.	15-16 December 2014
Khaled Abdelrahman	Canadian Cardiovascular Congress (CCC), Vancouver, Canada.	24-28 October 2014



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

Dr. EmanYousryGohar	3rd Annual UAB Comprehensive Cardiovascular Center 3rd Annual Symposium. Frontiers in Diabetes - Related Cardiovascular Disease: From Bench to Bedside to Community. Birmingham, Alabama	3-4 October 2014
Dr. EmanYousryGohar	25th Annual Vascular Biology and Hypertension Symposium. Birmingham, Alabama	22-23 September 2014
KhaledAbdelrahman	International symposium of resistance arteries(ISRA), Banff, Canada.	7-11 September 2014
Osama Harraz	International Symposium of Resistance Arteries (ISRA 2014), Banff, AB.	September 2014
Ahmed Hashad	11th International Symposium on Resistance Arteries, Banff, Alberta, Canada.	September 2014
Prof.Dr. Mahmoud El-Mas Ahmed Hashad	Experimental Biology, San Diego, California, U.S.A.	26-30 April 2014
Ahmed Hashad	Smooth Muscle Underground (SMUG), SanDeigo, USA.	25 April 2014
Prof.Dr. ElhamAwadAfify	Second international symposium on controversies on electromagnetic field in medicine and biology, King Abdulaziz University hospital.	20 April 2014



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

Ahmed Hashad	Libin Research Day, University of Calgary, Canada.	8 April 2014
Osama Harraz	Rapid Fire Talk, Libin Cardiovascular Institute Research Conference, Calgary, AB.	April 2014
Dr. HossamShaltout	2014 ASPET symposium "Fetal programming and cardiovascular disease" Experimental Biology 2014, San Diego CA	2014
Dr. HossamShaltout	ASPET symposium "Fetal programming and cardiovascular disease" Experimental Biology 2014, San Diego CA	2014
Prof.Dr. Amira Senbel	Pharmacology 2013 (British Pharmacological Society winter meeting), Queen Elizabeth II Conference Centre, Westminster, London.	17- 19 December 2013
Osama Harraz	Cerebral Circulation Theme (CCT Meeting), Hotchkiss Brain Institute, Banff, AB.	December 2013
Prof.Dr. Mahmoud El-Mas	Experimental Biology, Boston, U.S.A.	20-24 April 2013
Prof.Dr. Mahmoud El-Mas	Egyptian Society for Pharmacology and Experimental Therapeutics, British Univ. in Egypt, Cairo.	April 2013



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

Osama Harraz	Rapid Fire talk, Libin Cardiovascular Institute Research Conference, Calgary, AB.	March 2013
Prof.Dr. Ahmed ElMallah	14th Congress of the Lebanese Society for Infectious Diseases & Clinical Microbiology , Phoenicia Hotel, Beirut , Lebanon.	14-16 February 2013
Prof.Dr. ElhamAwadAfify	KAU International oncology conference, king Faisal conference center, KAU	15-17 January 2013
Prof.Dr. Mahmoud El-Mas	International Conference on Advanced Basic and Applied Sciences, Hurghada, Egypt.	6-9 November 2012
Osama Harraz	Cerebral Circulation Theme, Hotchkiss Brain Institute, Banff, AB.	November 2012
Prof.Dr. Amira Senbel	4th European workshop on lipid mediators- Institute Pasteur- ParisFrance.	27- 28 September 2012
Prof.Dr. Amira Senbel	Invited speaker to the 58th International Pharmaceutical Student Federation (IPSF) World Congress, Hurgada, Egypt.	1-11 August 2012
Prof.Dr. Amira Senbel	Invited reviewer, BioVision 2012 conference, World Life Science Forum, Bibliotheca Alexandrina, Egypt.	22-26 April 2012



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

Dr. EmanYousryGohar Ahmed Hashad HadirAlQot	Biovision Alexandria 2012: New Life Sciences; Linking Science to Society, Bibliotheca Alexandrina, Alexandria, Egypt	21-23 April 2012
Prof.Dr. Mahmoud El-Mas	Experimental Biology, San Diego, California, U.S.A.	21-25 April 2012
Prof.Dr. Amira Senbel	Eastern Mediterranean Pharmaceutical Symposium	July 2011
Prof.Dr. Mai Mostafa Helmy	The EPHAR Symposium, Molecular Pharmacology of G Protein Coupled Receptors and Signalling Partners, Fulya Congress Center, Istanbul, Turkey.	6-8 June 2011
Prof.Dr. Amira Senbel	AR Symposium Molecular Pharmacology of G Protein Coupled Receptors and Signalling Partners, Fulya Congress Center, Turkey	June 2011
Prof.Dr. Ahmed ElMallah	44th Middle East Medical Assembly (MEMA), Beirut Lebanon.	5-8 May 2011
Prof.Dr. Mahmoud El-Mas	Experimental Biology, Washington DC, U.S.A.	April 2011



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

Prof.Dr. Amira Senbel	BioVision 2011, The 7th World Life Science Forum, Lyon, France	March 2011
Prof.Dr. Amira Senbel	Fostering Academic Integrity”, American University in Cairo, Egypt	December 2010
Prof.Dr. Amira Senbel	WorldPharma 2010, the 16th Congress of Basic and Clinical Pharmacology, Bella Centre, Copenhagen, Denmark.	July 2010
Prof.Dr. Ahmed ElMallah	Advances in pharmaceutical research and technology; Beirut, Lebanon.	6-7 May 2010
Prof.Dr. Mahmoud El-Mas Prof.Dr. Amal Galal	International Pharmaceutical Conference, Faculty of Pharmacy, Beirut Arab Univ., Lebanon	May 2010
Prof.Dr. Mahmoud El-Mas	Experimental Biology, Anaheim, California, U.S.A	April 2010
Prof.Dr. Amira Senbel	Biovision Alexandria 2010: Future Prospects,, Alexandria, Egypt.	April 2010



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

Prof.Dr. Amira Senbel	The 51st Annual Conference of ESPET, Hospitality House, Ain Shams University, Cairo, Egypt	March 2010
Prof.Dr. Ahmed ElMallah	16th International Scientific conference, Beirut Lebanon.	13-15 November 2009
Prof.Dr. Amira Senbel	XXXI Conference of Pharmaceutical Sciences, Egyptian Pharmaceutical Society, Cairo, Egypt.	December 2008
Prof.Dr. Mahmoud El-Mas	Neuroscience Symposium, East Carolina Univ. Chapter of the Society for Neuroscience, USA.	November 2008
Dr. HossamShaltout	62nd Annual High Blood Pressure Research Conference, Atlanta, GA.	October 2008
Prof.Dr. Amira Senbel	Biovision Alexandria 2008: From promises to Practice, Alexandria, Egypt.	April 2008
Prof.Dr. Amira Senbel Prof.Dr. Sahar El-Gowilly	The first international conference for Center of quality Assurance and Accreditation, Cairo, Egypt	April 2008



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

Prof.Dr. Mahmoud El-Mas	Experimental Biology, San Diego, California, U.S.A	April 2008
Prof.Dr. Sahar El-Gowilly	The First Scientific conference of Faculty of Pharmacy- Cairo University	March 2008
Prof.Dr. Sahar El-Gowilly	The 13th conference of the Medical Research Institute on advances in medical research	November 2007
Prof. Dr. Mahmoud Mohy El-Din	Dubai International Pharmaceuticals & Technologies Conference &Exhibition, (DUPHAT) Dubai.	March, 2007
Prof.Dr. Mahmoud El-Mas	Experimental Biology, San Diego, California, U.S.A	April 2008
Prof.Dr. Sahar El-Gowilly	The First Scientific conference of Faculty of Pharmacy- Cairo University	March 2008
Prof.Dr. Sahar El-Gowilly	The 13th conference of the Medical Research Institute on advances in medical research	November 2007



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

Prof. Dr. Mahmoud Mohy El-Din	Dubai International Pharmaceuticals & Technologies Conference &Exhibition, (DUPHAT) Dubai.	March, 2007
Prof.Dr. Sahar El- Gowilly	The 12 th conference of the Medical Research Institute in Alexandria: Advances in medical research, Alexandria, Egypt.	November 2006
Dr. HossamShaltout	60th Annual High Blood Pressure Research Conference, Austin TX.	October 2006
Prof.Dr. Amira Senbel	Biovision Alexandria 2006: Changing lives, Bibliotheca Alexandrina, Alexandria, Egypt.	April 2006
Dr. Marwa Youssef	Biovision Alexandria 2006, Bibliotheca Alexandrina, Alexandria, Egypt	26-29/4/2006



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

جوائز تشجيعية و تقديرية حصل عليها أعضاء من القسم

Department member	Award	Date
Dr. Marwa Youssef	General travel Award from American Society for Pharmacology and Experimental Therapeutics (ASPET) for poster presentation at experimental biology conference, San Diego, California, USA	April 2020
Prof.Dr. Mahmoud El-Mas	Best Researcher Award, Clarivate Analytics & Egyptian Knowledge Bank.	2018
Prof.Dr. Sahar El-Gowilly	University of Alexandria awards for distinguished publications in the top cited journals	2008:2019
Prof.Dr. Amira Senbel	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.	2017
Dr. Osama Harraz	The Paul Cranefield Award in Physiology, the Society of General Physiologists	2016



جامعة الإسكندرية
كلية الصيدلة
قسم علم الأدوية و السموم
دليل القسم 2020

Dr. Osama Harraz	Cardiovascular Research Institute of Vermont (CVRI) Travel Award	2015
Dr. Osama Harraz	The Durwood J. Smith Memorial Fund Award for Best Poster Presentation at the 17th Annual Research Retreat of the Department of Pharmacology, University of Vermont	2015
Prof.Dr. Mahmoud El-Mas	Khalifa Award for Education, Distinguished University Professor in the Field of Scientific Research, United Arab Emirates	2015/2016
Dr. Eman Gohar	Juan Carlos Romero and APS Water & Electrolyte Homeostasis Section Postdoctoral Research Recognition Award Finalist, Water & Electrolyte Homeostasis Section of The American Physiological Society (APS).	2016
Dr. Eman Gohar	Career Enhancement Award , Office of Postdoctoral Education, UAB	2016
Dr. Eman Gohar	Postdoctoral Travel Award, Office of Postdoctoral Education, UAB.	2016
Dr. Eman Gohar	CIRTL Practitioner Scholarship Award, CIRTL (Center for the Integration of Research, Teaching and Learning), Professional Development Program, UAB.	2016
Dr. Eman Gohar	AHA (American Heart Association) Postdoctoral Fellowship	2015-2017
Hadeer Mustafa	Schulich Graduate Scholarship	2015
Hadeer Mustafa	Western Graduate Research Scholarship	2015



جامعة الإسكندرية
كلية الصيدلة
قسم علم الأدوية و السموم
دليل القسم 2020

Dr. Eman Gohar	The American Physiological Society (APS) Research Recognition Travel Award to attend 14th International Conference on Endothelin (Savannah).	2015
Dr. Eman Gohar	Postdoctoral Scholar Award, Office of Postdoctoral Education, UAB	2015
Dr. Eman Gohar	CIRTL (Center for the Integration of Research, Teaching and Learning) Scholarship, Professional Development Program, UAB.	2015
Dr. Eman Gohar	CIRTL (Center for the Integration of Research, Teaching and Learning) Scholarship (2015), Professional Development Program, UAB. 11. Alexandria University Publication Award (2013, 2012, 2011, 2009), Egypt.	
Prof.Dr. Hanan El-Gowilly	Alexandria University wards for enhancement of distinguished scientific publishing for all published papers (all publications are in the top 10- 50% indexed peer reviewed journals in the field of specialty)	2013
Prof.Dr. Hanan El-Gowilly	Alexandria University Prize for Scientific Encouragement in Medical Sciences	2013
Prof.Dr. Amira Senbel	Fellowships. - Fellowship: Short Scientific Mission for Senior Scientists 2013 offered by the French Embassy, Institut Francais, to visit Eicosanoid and vascular pharmacology research group, INSERM unit 698 - Bichat Hospital and Université Paris Nord (Paris XIII).	2013
Prof.Dr. Hanan El-Gowilly	ACDIMA award for the Top Scientific Publication in Applied Pharmaceutical Sciences in the Arab world, awarded by the Arab Company for Drug Industries and Medical Appliances, Amman, Jordon	2012
Prof.Dr. Amira Senbel	ELEMENT Staff Exchange fellowship 2012 by Erasmus Mundus European Commission to visit Sapienza University Rome.	2012



جامعة الإسكندرية
كلية الصيدلة
قسم علم الأدوية و السموم
دليل القسم 2020

Prof.Dr. Amira Senbel	The Daniel Turnberg Travel Fellowship 2012 by the Academy of Medical Sciences to visit Imperial College London. - EAPCCT London 2012 Congress Attendance Award	2012
Prof.Dr. Sahar El-Gowilly	Alexandria university scientific encouragement award 2012	2012
Dr. Hossam Shaltout	WFU Research Excellence Award	2012
Prof.Dr. Mai Helmy	Alexandria University awards for enhancement of distinguished scientific publishing for papers published in the top 50% of the indexed peer reviewed journals in the field of specialty	2012 - 2015
Prof.Dr. Mahmoud El-Mas	Honorary Award, Alexandria University, Egypt.	2011
Prof.Dr. Amira Senbel	A fellowship programme that invites promising international PhD students and post-docs to attend the 3 days Forum in France.	2011
Prof.Dr. Mahmoud El-Mas Prof.Dr. Sahar El-Gowilly Prof.Dr. Hanan El-Gowilly	Award for Enhancement of Scientific Publishing, Alexandria University	2011
Dr. Hossam Shaltout	Arthur Guyton New Investigator Award from Consortium for Southeastern Hypertension Control presented at the 18th annual scientific sessions	2011
Dr. Hossam Shaltout	Appointed as a member to the Executive Committee Member of the American Society of Pharmacology and Experimental Therapeutics.	2011
Prof.Dr. Mahmoud El-Mas Prof.Dr. Sahar El-Gowilly Prof.Dr. Hanan El-Gowilly	Award for Enhancement of Scientific Publishing, Alexandria University	2010



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

Prof.Dr. Mahmoud El-Mas	Distinguished Research Professor In Medical Sciences, Alexandria University, Egypt.	2010
Prof.Dr. Amira Senbel	Biography included in "Who's Who in the World" Twenty Seventh Edition	2010
Prof.Dr. Amira Senbel	Who's Who in Medicine and Healthcare	2010
Prof.Dr. Amira Senbel	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 51 st Annual Conference of ESPET, Cairo, Egypt	2010
Prof.Dr. Amira Senbel	2000 Outstanding Intellectuals of the 21th Century" IBC, Cambridge, England	2010
Dr. Hossam Shaltout	Selected as the Wake Forest University Postdoctoral Fellow of the year 2010 for the recognition of outstanding research, scholarship and service to the university.	2010
Dr. Hossam Shaltout	Listed in Marquis Who's Who in America.	2010
Prof.Dr. Amira Senbel	Who's Who in the World" Twenty Sixth Edition.	2009
Dr. Hossam Shaltout	Gold Award for the best poster in basic science in the Division of Surgical Sciences Seventeenth Annual Residents and Fellows Research	2009
Dr. Hossam Shaltout	Appointed as a committee member to the American Society of Pharmacology and Experimental Therapeutics-Division of Cardiovascular Pharmacology. Competition and recruitment committees	2009



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

Prof.Dr. Mahmoud El-Mas Prof.Dr. Sahar El-Gowilly Prof.Dr. Amira Senbel	Alexandria University Award for Enhancement of Scientific Publishing.	2008
Prof. Dr. Mahmoud Mohy el-Din Prof. Dr. Fouad Sharabi Prof.Dr. Mahmoud El-Mas Prof. Dr. Sahar El-Gowilly	ACDIMA award for the Top Scientific Publication in Applied Pharmaceutical Sciences in the Arab world, awarded by the Arab Company for Drug Industries and Medical Appliances, Amman, Jordon.	2007
Prof.Dr. Mahmoud El-Mas	"Marquis Who's Who in the World", 25th Anniversary Edition, and in the "Marquis Who's Who in Science and Engineering", 10th Anniversary Edition	2007
Prof.Dr. Mahmoud El-Mas	The National Prize for Scientific Excellence in Medical Sciences (للتفوق), (جائزة الدولة), Egypt.	2006
Prof.Dr. Mahmoud El-Mas	The Silver Appreciation Medal, The Egyptian General Syndicate of Pharmacists.	2006
Prof.Dr. Mahmoud El-Mas	The Gold Appreciation Medal, The Egyptian General Syndicate of Pharmacists.	2002
Prof.Dr. Mahmoud El-Mas	The National Prize for Scientific Encouragement in Medical Sciences (جائزة الدولة التشجيعية), Egypt.	2000
Prof.Dr. Mahmoud El-Mas	The National Prize for Scientific Encouragement in Medical Sciences (جائزة الدولة التشجيعية), Egypt.	1994



عضوية الجمعيات العلمية الدولية (Membership of Professional Societies)

Department member	Society
Prof.Dr. Amira Senbel	Full Member of the British Pharmacological Society (BPS), membership no 20309.
Prof.Dr. Amira Senbel	Member of the American College of Clinical Pharmacology (ACCP), membership no 3024.
Prof.Dr. Amira Senbel	Member of the Egyptian Society of Toxicology (EST)
Prof.Dr. Amira Senbel	Member of the Egyptian Pharmaceutical Society (EPS)
Prof.Dr. Amira Senbel	Member of the Egyptian Society of Pharmacology and Experimental Therapeutics (ESPET)
Prof.Dr. Amira Senbel	Member of the Egyptian Association for the Advancement of Medical Basic Sciences (EAMBS)
Prof.Dr. Mahmoud El-Mas	American Heart Association (AHA)
Prof.Dr. Mahmoud El-Mas Prof. Dr. Sahar M. El-Gowilly Prof.Dr. Hanan El-Gowelli	American Society for Pharmacology and Experimental Therapeutics (ASPET)
Prof.Dr. Mahmoud El-Mas	Arab Healthy Water Association
Prof.Dr. Mahmoud El-Mas	Egyptian Society for Pharmacology and Experimental Therapeutics (ESPET)



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

Prof.Dr. Mahmoud El-Mas Prof. Dr. Sahar M. El-Gowilly Prof.Dr. Hanan El-Gowelli	Egyptian Society for Toxicology
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Editorial Board Positions:

Prof. Dr. Hosni fouad

Member of editorial Board of Faculty of Pharmacy Scientific Journal, Alexandria University.

Prof. Dr. Mahmoud El-Mas:

2019--Editorial Board, Pharmacology: Drug Action Study Journal

2017-Editorial Board, Egyptian Journal of Basic and Clinical Pharmacology

2017-Editorial Board, Journal of Alcohol

2017--Editorial Board, Journal of Hypertension and Immunotherapy

2017--Editorial Board, Scientific Pages of Toxicology

2017--Editorial Board, The Open Access Journal of Science and Technology

2016--Editorial Board, Journal of Drug Safety and Toxicology

2016--Editorial Board, Austin Hypertension

2015- Consulting Editor, ChronoPhysiology and Therapy

2014- Jacobs Journal of Pharmacology and Pharmacovigilance



- 2014-Editorial Board, Austin Journal of Vascular Medicine
2013- Advisory board, Naunyn-Schmiedeberg's Archives of Pharmacology
2013-Editorial Board, Edorium Journal of Pharmacology
2013-Editorial Board, The Open Access Journal Of Science and Technology
2015-Consulting Editor, ChronoPhysiology and Therapy.
2010- **Honorary Editorial Board**, ChronoPhysiology and Therapy.
2007- **Associate Editor**: African Journal of Pharmacy and Pharmacology.
2007- **Editorial Board**, Pharmacy Times Middle East.
2007-2009 **Regional Editor**: International Journal of Pharmacology.

Emeritus Editorial Board Positions

- 2010-2015 Honorary Editorial Board, ChronoPhysiology and Therapy
2007-2009 Regional Editor Emeritus: International Journal of Pharmacology.

Assoc. Prof. Dr. Hossam Shaltout

Member of the Editorial Board of the newly founded “World Journal of Hypertension”, Baishideng Publishing Group

Prof. Dr. Sahar el gowelli

Member of the editorial board of science journal of clinical medicine.



جامعة الإسكندرية
كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020

Editorial review board member of World Academy of Science, Engineering and Technology.

Prof. Dr. Dr.Mai Helmi

Editorial board member in the international journal of clinical pharmacology and pharmacotherapy.

Editorial board member in the Global Journal of Biotechnology and Biomaterial Science.

تحديث بيت الحيوان و إنشاء معمل المحاكاة بقسم علم الأدوية و السموم

نظرا للتطور التكنولوجي المذهل في كافة مجالات العلم والزيادة المطردة في أعداد الطلاب أصبحت هناك حاجة ماسة لإنشاء معامل محاكاة ذات فكر جديد تستوعب أعداد الطلاب وتقدم خدمات تدريسية متطورة تكسب الطلاب الخبرات المهنية المختلفة و تأصل لديهم أساسيات التعلم لتساعد الطلاب على التطبيق والتدريب العملي وتتيح لهم إجراء الأبحاث والتجارب المعملية من خلال بيئة تخيلية وفقاً للتطورات العالمية في مجال الصيدلة .

و لذلك قام قسم علم الأدوية و السموم بالتعاون مع إدارة الكلية و من خلال مشروع التطوير المستمر و التأهيل للإعتماد (CIQAP) بإنشاء معمل محاكاة مزود بأحدث أجهزة الكمبيوتر (hp) لتدريب الطلاب على التجارب في مجال علم الأدوية و المعايير الإحيائية من خلال برامج متطورة حصل القسم عليها كهدية من معهد ستراسكلد للصيدلة و العلوم الطبية بجامعة ستراسكلد للعلوم – جلزكو – المملكة المتحدة و هى البرامج الآتية:

- Virtual rat
- Virtual organ bath

و قد أشرف على تنفيذ معمل المحاكاة و وضع مواصفات الحاسبات الآلية لجنة مشكلة من كل من:

أ.د. محمود محمد محمود الماس – رئيساً

د. حنان محمد سمير الجويلي – عضواً

السيد / نصر الدين كمال – عضواً

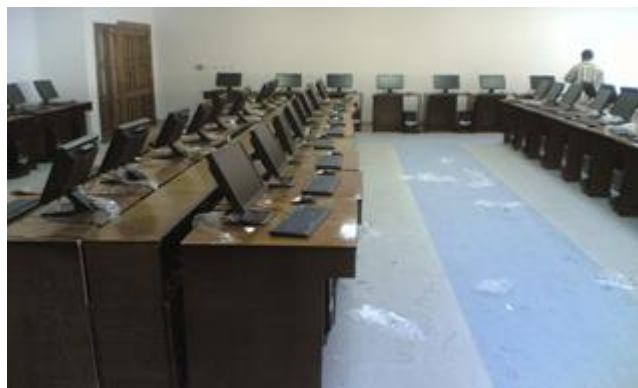


معمل المحاكاة بقسم علم الأدوية و السموم قبل إعادة إنشائه





جامعة الإسكندرية
كلية الصيدلة
قسم علم الأدوية و السموم
دليل القسم 2020



معمل المحاكاة بقسم علم الأدوية و السموم أثناء التجهيز



معمل المحاكاة بقسم علم الأدوية و السموم فى صورته النهائية



جامعة الإسكندرية
كلية الصيدلة
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كما قام قسم علم الأدوية و السموم تحت إشراف أ.د. محمود محمد محمود الماس – رئيس مجلس قسم علم الأدوية و السموم – و د. حنان محمد سمير الجويلي – مدرس بالقسم – و بالتعاون مع إدارة الكلية و من خلال مشروع التطوير المستمر و التأهيل للإعتماد (CIQAP) بإعادة إنشاء بيت الحيوان بالدور السادس من المبنى القديم كما تم تزويد معظم غرفه بأجهزة التكييف و شفاطات هواء للحصول على معدلات تهوية مناسبة للحيوانات. و قد تم تحديث نظم التغذية لتواكب التطورات العالمية. و يقوم بيت الحيوان بتوفير حيوانات التجارب المختلفة للدروس العملية للطلاب بمادة علم الأدوية (الفرقة الثالثة) ومادتي المعايير الإحيائية و السموم (الفرقة الرابعة) . كما يقوم بيت الحيوان بتوفير حيوانات التجارب لمعظم الباحثين بالكلية لدعم مسيرة البحث العلمى .



بيت الحيوان بقسم علم الأدوية و السموم قبل إعادة إنشائه

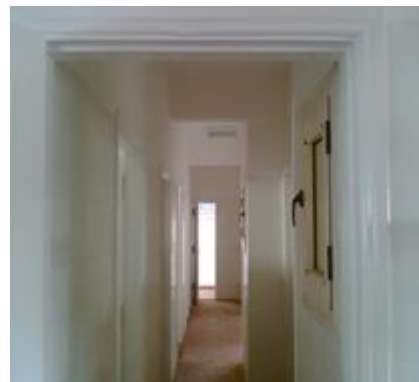


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قسم علم الادوية و السموم
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كلية الصيدلة
قسم علم الادوية و السموم
دليل القسم 2020



بيت الحيوان تحت الإنشاء



بيت الحيوان بعد الإنشاء



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كما قام قسم علم الأدوية و السموم تحت إشراف أ.د. محمود محمد محمود الماس – رئيس مجلس قسم علم الأدوية و السموم – و د. حنان محمد سمير الجويلي – مدرس بالقسم – و بالتعاون مع إدارة الكلية بتطوير معملين للابحاث بالقسم و ذلك إيماناً من القسم بأهمية البيئة البحثية و تطوير البحث العلمي.



معمل ابحاث الدور الخامس – المبنى القديم



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قسم علم الادوية و السموم
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معمل ابحاث الدور الرابع (أ) – المبنى القديم



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دليل القسم 2020



معمل ابحاث الدور الرابع (ب) - المبنى القديم



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معامل الطلبة بقسم علم الأدوية و السموم

