



University
October University for
Modern Sciences and Arts
Established by Dr. Nawal El Degwi in 1996

FACULTY OF PHARMACY

FACULTY ACHIEVEMENTS 2017 - 2018



Validated by



UNIVERSITY of
GREENWICH



Organization Committee

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Dean of Faculty of Pharmacy

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Dean's Word



Prof. Dr. Hanan Al-Leithy
Dean of Faculty of Pharmacy
MSA University

"We aim to graduate distinguished talented pharmacists able to compete in the work field. The faculty helps our students to explore different aspects of college life besides an enriching academic plan as it is important to establish a healthy balance between both. I am proud to say that our students have not only excelled academically but have shown outstanding skills in competitions, events participation, conferences and awareness campaigns.

Our staff is a fundamental asset of the faculty, their achievements reflect directly on our performance as a whole. They invest their time, effort and care to our students. Moreover, their contribution in the scientific field is marked through many publications in reputable scientific journals. We have witnessed many promotions throughout the departments in a short period of time, their devotion to their students and work is greatly appreciated.

We believe that a great career is built on a history of contributions as unique as the person who achieved them so it is with great pleasure I present this book as a tribute to the achievements of our faculty."

Acknowledgments

On Behalf of MSA University, we would like to thank the following respectable pharmaceutical companies for their generous contributions to our faculty activities. We are indeed grateful to you for your enthusiastic support.



Minister Visit



Prof. Khaled Fahmy

**Minister of Environmental Affairs
Arab Republic of Cairo**

"I read about the students' projects so I asked to meet them and they presented their work to me. I can honestly say that these students are thinking out of the box and are addressing real issues in the community. I have witnessed a high level of professionalism regarding how they present themselves in public, despite their



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External Examiners



External Examiners and Guests Quotes



Dr. Sanaa Abdul Shafy
CEO Trust Laboratories

"MSA students are characterized by their dedication, ambition and their willingness to explore"



Prof. Ayman El Shebiny
Professor of Biology
Zewail University

"I was delighted with the level of the graduation projects presented by the faculty of pharmacy students; distinguished projects which reflect first class education"



Mr. Shady Ramzy
Senior HR Specialist
EVA PHARMA

"MSA exposes the students to a variety of career choices in order to help them reach their targets when they graduate"

External Examiners and Guests Quotes



Ms. Azza Mostafa
Television Announcer
Egyptian Television

"I am proud of my children as students in a prestigious university such as MSA. What I have seen today in the faculty of pharmacy under the supervision of Professor Hanan El Leithy is truly admirable."

"I have witnessed an amazing improvement this year in the performance of the faculty of pharmacy students; especially their advanced English level and the rich variety in scientific content that they are exposed to' which makes them unique amongst their peers."



Dr. Yosry Abdallah
Director of Training
Department, SEDICO
Pharmaceutical Company



Dr. Sahar El Seweify
Professor of Biochemistry
Faculty of Pharmacy
Zagazig University

"The proposed projects impact society and follow with the scientific advancements"



External Examiners and Guests Quotes



Dr. Amany El-Khouly
Professor of
Biochemistry
Faculty of Pharmacy
Zagazig University

"Students have learnt a lot and benefit from what the university had to offer. The presented projects are worthy of publishing in international journals"

"I was impressed with their performance and skills, whether it being preparing posters or doing oral presentations. In fact, this is something special for MSA University and it is a great privilege. I appreciate all the staff members' efforts to bring such an eventful day that was strongly impressive to all attendees"



Prof. Dr. Khaled Abouzid
Professor of Pharmaceutical
chemistry, Vice dean of
learning and students affairs,
Faculty of Pharmacy – Ain
Shams University



External Examiners and Guests Quotes



Dr. Paul Frank Grassby
University of Lincoln · School of
Pharmacy

The standards of student performance are comparable with similar programmes in other UK institutions. The progression criteria were met as on reviewing the modules. The content in all modules is substantial, academic and technically up to date and the assessments thoroughly test this knowledge.



Ass. Prof. Nick Freestone

Associate Professor for
Physiology & Pharmacology
and Course Director for
undergraduate Pharmaceutical
Science degree courses at
Kingston

“As usual I was met with great hospitality and exceptional warmness by the Pharmacy teaching and management team and the faculty and university leadership. I was happy once more to see the enthusiasm and commitment demonstrated by MSA Pharmacy students in disseminating their project work to their peers, tutors and external examiners. It is always a delight to attend these talks “



External Examiners and Guests Quotes

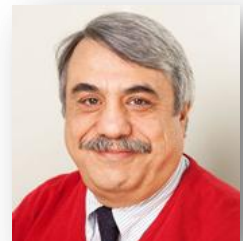


Dr. David Barlow

Pharmaceutical Sciences
Clinical Academic Group
A Reader in Computational &
Molecular Biophysics, and is
head of the Pharmaceutical
Chemistry teaching section ,
within the Department of
Pharmacy at King's College
London

As usual, all of the necessary arrangements have been very well organized, and everything conducted with complete openness and transparency, making my job as external examiner very straightforward. I enjoyed the opportunity provided to listen to the student group oral presentations - and was impressed by their enthusiasm, and the breadth of science covered in their various projects. I was particularly impressed by the addition of the joint/inter-departmental projects now fielded. I was also impressed by the addition of the new courses on Pharmacoeconomics and epidemiology, and Pharmacogenomics.

"I am impressed with the quality of work, standard of education and the care the students get here in the University, whether it is facilities, faculties, available shops, libraries, labs, Wi-Fi services, etc... I am very impressed."



Dr. Maan Al Gaillani
Resident Representative
of the University of
Greenwich in MSA



STUDENTS



Extracurricular activities

Field Trips

SEDICO Pharmaceutical Company



The **Pharmaceutics Department** organized a field trip to **SEDICO pharmaceutical company** for level 4 students enrolled in **Industrial Pharmacy I** course. They witnessed the consecutive phases of several dosage forms mass production and were introduced to the available pharmaceutical machines inside the factory.



The **Analytical Chemistry Department** organized a field trip to **SEDICO pharmaceutical company** for students enrolled in **Quality Control Course** to view all validation protocols throughout **Pharmaceutical dosage forms preparation process**.



Extracurricular activities

Field Trips

MSA- Bioequivalence Centre



The Analytical Chemistry Department organized a field trip to **MSA-Bioequivalence Centre** for Quality Control Course students to view sampling techniques and the qualitative & Quantitative analysis of pharmaceutical dosage forms.



Extracurricular activities

Field Trips

Global Napi Pharmaceutical Company



Extracurricular activities

Poster Day

Biochemistry Poster Day



FACULTY OF PHARMACY

BIOCHEMISTRY POSTER DAY

BIOCHEMICAL AND GENETIC CHANGES OF DIFFERENT DISEASES
AND DISORDERS

UNDER THE SUPERVISION OF THE BIOCHEMISTRY DEPARTMENT
HELD BY THE CLINICAL BIOCHEMISTRY & MOLECULAR BIOLOGY STUDENTS

Following the MSA University vision and belief in the role of scientific research in the diagnosis and treatment of diseases and in the value of encouraging Pharmacy students to participate in the scientific research.

In 2017, The Department of Biochemistry at Faculty of Pharmacy was honored to present the posters of 4th year students' researches in the biochemical and genetic changes related to different diseases and disorders like obesity, leukemia, lymphoma, epilepsy, osteoarthritis and Alzheimer's at the University campus.

The students showed a remarkable performance in the 3rd Biochemistry poster day and were praised for their outstanding skills in presenting their researches.

Check out the highlights from the event in the link below:

<https://www.facebook.com/MSAUniversity.News/videos/1900552499974819/>



Extracurricular activities

Awareness Campaigns



The Faculty of Pharmacy at the University of October for Modern Sciences and Arts pays a great attention to the community services and environmental development, based on its societal role as an educational and research institution that takes into consideration the societal role of the universities in order to raise the society and the positive impact on its environment and taking into account the priorities of the Egyptian society and its environmental and societal needs. To meet the needs of the surrounding community through the participation of all groups of the faculty, students, faculty members, the supporting staff and administrators in the development, implementation and evaluation of an integrated plan to meet these needs.

Extracurricular activities

Awareness Campaigns

Nutrition Awareness Campaigns

In 2017, the 4th year pharmacy students participated in the campaigns aim to raise awareness of clinical nutrition in relation to many diseases under supervision of biochemistry department staff. It also contributes to the role of the University's students in community service.



Clinical nutrition role in diabetic patients





BEAT DIABETES



FOOD PLAYS A VITAL ROLE SO MONITOR WHAT, HOW MUCH, AND WHEN YOU EAT TO BEAT DIABETES

DAIRY PRODUCTS



Choose low fat or fat free dairy products or calcium-fortified products if you cant eat milk

CARBS

Eat consistent amount of carbs to control blood glucose level at consistent time per day



VEGGIES

Choose whole grains instead of refined grains.
Starchy veggies are great source of vitamins and minerals
Plan meals around veggies
Eat fresh veggies and quick veggies



PROTEINS

Start with lean choices and remove fat and skin
Use fish and poultry more often.
Try grilling, broiling, roasting to reduce fats



FRUITS



Choose whole or cut-up fruits over fruit juice. select canned fruits in 100% juice or wter not syrup

EXTRA TIPS



Choose whole grains instead of refined grains.
Starchy veggies are great source of vitamins and minerals
Plan meals around veggies
Eat fresh veggies and quick veggies



Extracurricular activities


Awareness Campaigns

Nutrition Awareness Campaigns




Clinical nutrition that boosts the immune system













CLINICAL Nutrition That Boosts The Immune System
Faculty of Pharmacy
Biochemistry Department
Clinical Nutrition



Immune system:
Our immune system is essential for our survival. Without an immune system, our bodies would be open to attack from bacteria, viruses, parasites, and more. It is our immune system that keeps us healthy. Feeding your body certain foods may help keep your immune system strong

IMMUNE BOOSTING FOODS


 LEMON	 BLUEBERRIES	 GARLIC	 SWEET POTATO
 ALMONDS	 LENTILS	 CARROT	 WALNUTS
 BROCCOLI	 SPINACH	 MILK	 ASPARAGUS




Broccoli:
Broccoli is supercharged with vitamins and minerals. Packed with vitamins A, C, and E, as well as many other antioxidants and fibers. Broccoli is one of the healthiest vegetables you can put on your table. The key to keeping its power intact is to cook it as little as possible or better yet, not at all.



Almonds:
Vitamin E is key to a healthy immune system. It's a fat-soluble vitamin, meaning it requires the presence of fat to be absorbed properly. Nuts, such as almonds, are packed with the vitamin and also have healthy fats. A half-cup serving, which is about 46 whole, shelled almonds, provides nearly 100 percent of the recommended daily amount of vitamin E.



Turmeric:
This bright yellow, bitter spice has also been used for years as an anti-inflammatory in treating both osteoarthritis and rheumatoid arthritis. Also, research shows that high concentrations of curcumin, which gives turmeric its distinctive color, can help decrease exercise-induced muscle damage



Extracurricular activities

Awareness Campaigns

EPSF-MSA Awareness Campaigns

Activities of the members of the Egyptian Union of Pharmacy Students EPSF-MSA inside and outside the university in the commercial markets, sports clubs and different villages including:

Patient Counselling Campaign (7 Jan 2017)



Bronchial Asthma awareness campaign - (27 Feb 2017):



Extracurricular activities

Awareness Campaigns

EPSF-MSA Awareness Campaigns

Down syndrome Awareness Campaign in Schools (April 2017):



Extracurricular activities

Awareness Campaigns

EPSF-MSA Awareness Campaigns

Pharmacy Profession Awareness Campaign (May 2017):



Extracurricular activities

Awareness Campaigns

EPSF-MSA Awareness Campaigns



Antibiotic Awareness Campaign (10 Dec 2017)

The aim of the campaign is how to properly live with antibiotics to avoid AMR.



Extracurricular activities

Awareness Campaigns

EPSF-MSA Awareness Campaigns

EPSF Women Campaign: Break the Silence – Stop the Violence (Aug 2017)



Extracurricular activities



MSA MWHO

“MSAMWHO is an organization which is run by students from MSA University under the supervision of the Faculty of Pharmacy Administration. It is a simulation of the WHO where students take on the responsibilities of health officials in the field of international public health and policy.”

MISSION

Collaboration: Enhance university partnerships in order to provide a more seamless and developmental involvement experience.

Innovative Programming: Implement and encourage new programs to connect with different populations of the student body.

• **Increase Student Leadership Opportunities:** Provide new ways for student to be developed and experienced in leadership capacities.

Brand Identity: Establish consistent marketing and branding strategies that communicate the value of being involved.

• **Enhanced Academic Focus for Student Leaders:** Create a culture of high expectations for academic success and well-being to better integrate student learning and student involvement.

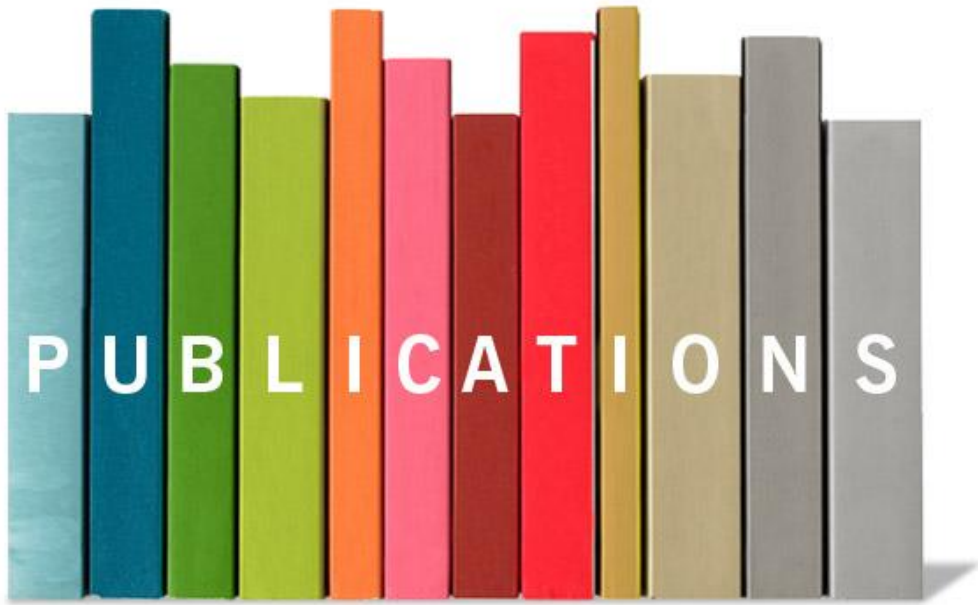




Our Firsts UNICEF Campaign

Our first UNICEF Campaign has been held at اسطبل عنتر , where our team discussed the importance of vaccination in an attempt to increase awareness of its uses. The day was divided into different activities including awareness sessions where the UNICEF team discussed and answered questions on the topic, fun activities to engage the children and a visit to their candle manufactory.





Research Publications

Students Researches

Graduation Projects' Participations in Conferences



Research Publications

Students Researches

Green Synthesis Of Silver Nanoparticles From *Cuphealgnea* Leaves: Antimicrobial, Antioxidant Activity And InVitro Cytotoxic Effect

These graduating students participated in the

Dubai International Pharmaceuticals and Technologies Conference and Exhibition.

High performance liquid chromatographic method for determination of trimethoprim and sulfadiazine in chicken muscle and baby food
 Ahmad M. Fouad^{1*}, Dalal Mohamed² ACD 10

¹Medical Chemistry Department, Faculty of Pharmacy, October University for Modern Sciences and Arts (OUMSA), 13179, Giza, Egypt
²Pharmaceutical Analytical Chemistry Department, Faculty of Pharmacy, October University for Modern Sciences and Arts (OUMSA), 13179, Giza, Egypt

Aim of work: Development and validation of simple, accurate and precise chromatographic and spectrophotometric methods for determination of trimethoprim and sulfadiazine residues in chicken muscle and processed chicken containing baby food.

Abstract: A simple and sensitive method was optimized and validated for the analysis of trimethoprim (TMP) and sulfadiazine (SDZ) residues in chicken muscle and processed chicken baby food formulae. Both analytes were monitored using a simple protein precipitation technique with the aid of methanol. Analytical separation was performed in about 7 min using a C18 column with UV detection at 230 nm and 220 nm for TMP and SDZ, respectively. The utilized mobile phase was composed of water: acetonitrile: trifluoroacetic acid in the ratio (70: 20: 1 by volume) and the pH was adjusted to 5.5 with 0.1 M acetic acid. The method was fully validated in accordance with the International Conference on Harmonization (ICH) guidelines. Linearity for both drugs ranged from 1.00 µg/ml to 100 µg/ml. The limit of quantification was 0.10 µg/ml and 0.20 µg/ml for TMP and SDZ, respectively, whereas the limit of detection was 0.12 µg/ml and 0.08 µg/ml for both drugs, respectively. The obtained recoveries in the spiked chicken samples were in the range of 90.71 – 95.37 % and 98.81 – 97.24 %, however those for spiked baby food samples were 94.84 – 100.50 % and 94.02 – 104.06 % for TMP and SDZ, respectively. The method has shown good repeatability, linearity, and sensitivity with minimum matrix effect. High extraction efficiency for the analytes was obtained without any matrix interferences in the extraction process and in the subsequent chromatographic determination.

Results and Discussion: The proposed method permits the quantification of TMP and SDZ in chicken muscle and processed chicken containing baby food. Well-defined peaks were obtained with k_p of 4.2 and 3.4 min for SDZ and TMP, respectively (figures 2,3). The conditions affecting the chromatographic separation of the studied drug were specially studied in order to investigate the most suitable chromatographic system, the column and based on the highest number of theoretical plates and peak symmetry.

Method development: The proposed method permits the quantification of TMP and SDZ in chicken muscle and processed chicken containing baby food. Well-defined peaks were obtained with k_p of 4.2 and 3.4 min for SDZ and TMP, respectively (figures 2,3). The conditions affecting the chromatographic separation of the studied drug were specially studied in order to investigate the most suitable chromatographic system, the column and based on the highest number of theoretical plates and peak symmetry.

Figure 10: Separation of SDZ and TMP in chicken muscle. A: For TMP, B: For SDZ in spiked muscle (20 µg/ml of both SDZ and TMP).

Figure 11: Separation of SDZ and TMP in baby formulae samples. A: Control, B: Spiked formulae sample (with 20 µg/ml of both SDZ and TMP).

Figure 12: Calibration curves of SDZ and TMP in the range (1-100 µg/ml).

Table 10: Reproducibility parameters for the proposed HPLC method.

Table 11: Distribution parameters for the distribution of TMP and SDZ in the studied samples.

Table 12: Distribution parameters for the distribution of SDZ and TMP in the studied samples.

Table 13: Distribution parameters for the distribution of SDZ and TMP in the studied samples.

Table 14: Statistical analysis of the proposed method compared to a reported method for the determination of SDZ and TMP.

Declaration: The authors declare that they have no conflict of interest.

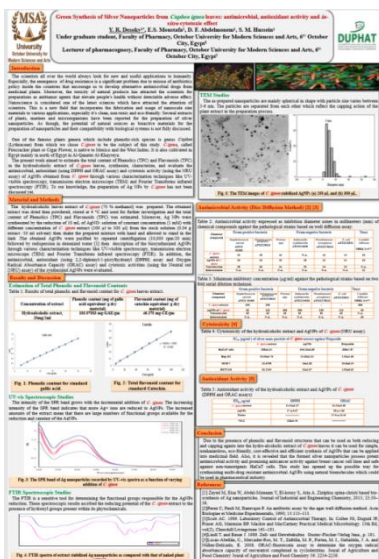


Research Publications

Students Researches

High Performance Liquid Chromatographic Determination of Trimethoprim and Sulfadiazine In Bovine Meat And Fish

Marina Hanna, BasmaAbd-Elraouf, Mai Khaled, Nada Salah



These graduating students participated in the **International conference of Faculty of Pharmacy, Egyptian Russian University (PHARMA-EGYRUSS 2018).**

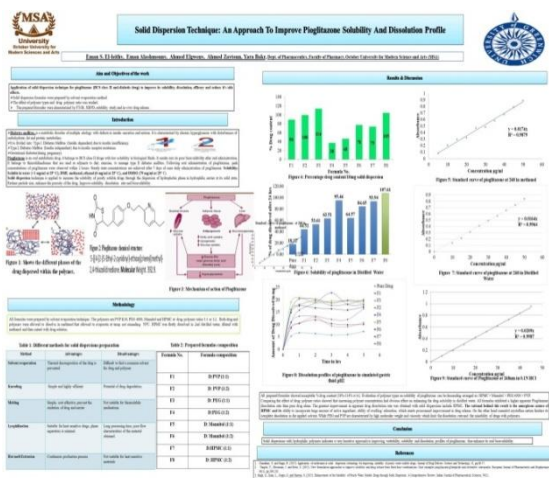


Research Publications

Students Researches

Solid Dispersion Technique: An Approach to Improve Pioglitazone Solubility And Dissolution Profile

Ahmed El-Gweiny, Yara Emad, Ahmed Zaytoun



These graduating students participated in the “1”

International Conference, Faculty of Pharmacy, Fayoum University under the title: “Pharmaceutical & Biomedical Research- International & Regional Cooperation.”

Research Publications

International

Staff Publications



2017. Studying the Influence of Formulation and Process Variables on Vancomycin-loaded Polymeric Nanoparticles as Potential Carrier for Enhanced Ophthalmic Delivery. *European Journal of Pharmaceutical Sciences.*

Prof. Dr. Hanan El Laithy,
Dean of Faculty
of Pharmacy
MSA University



2017. Honey-based Hydrogel: *In Vitro* and Comparative *In Vivo* Evaluation for Burn Wound Healing. *Scientific Reports.*

Associate Prof. Reham Amer,
Pharmaceutics
Department



2017, Dissolution Enhancement of Leflunomide Incorporating Self Emulsifying Drug Delivery Systems and Liquisolid concepts. *Bulletin of Faculty of Pharmacy, Cairo University.*

AL. Nihal M. El-Mahdy,
Pharmaceutics
Department



Research Publications

International

Staff Publications



September 2017, Nanoemulsion Gel of Nutraceutical Coenzyme Q10 as an Alternative to Conventional Topic Delivery System to Enhance Skin Permeability and Anti-wrinkle Ability. *International Journal of Pharmacy and Pharmaceutical Sciences*.

Prof. Dr. Eman Saddar, Head of Pharmaceutics Department

October 2017, Lipid Nanocarriers for Tamoxifen Citrate/Coenzyme Q10 Dual Delivery. *Journal of Drug Delivery Science and Technology*.

November 2017, Optimization of Nutraceutical Coenzyme Q10 Nanoemulsion with Improved Skin Permeability and Anti-wrinkle Efficiency. *Drug Development and Industrial Pharmacy*,

September 2017, Synthesis, Optimization and Characterization of Folate-Chitosan Polymer Conjugate for Possible Oral Delivery of Macromolecular Drugs. *IOSR Journal Of Pharmacy*.

Characterization of Degradation Products Resulted from Acidic Hydrolysis of Lisinopril Under Drastic Conditions. *Journal of Advanced Pharmacy Research* Volume 1(4), Research Article / JAPR.



Research Publications

International

Staff Publications



2017, A New Platform for Profiling Degradation-Related Impurities Via Exploiting the Opportunities Offered by Ion-Selective Electrodes. *Journal of AOAC International.*

Prof. Dr. Safa'a Riad,
Head of
Analytical
Chemistry
Department

2018, Qualitative and Quantitative Chemometry as Stability-Indicating Methods for Determination of Dantrolene Sodium and Paracetamol. *Current Pharmaceutical Analysis.*

2018, Three Different Spectrophotometric Methods Exploiting Ratio Spectra for the Selective Determination of Iohexol in Presence of its Acidic Degradate. *Current Pharmaceutical Analysis.*



2017, Simultaneous Electrochemical Determination of Articaine HCl and Epinephrine. *Insights in Analytical Electrochemistry.*

Prof. Dr. Manal Fouad,
Analytical
Chemistry
Department

2017, Electrochemical Determination of Tolfenamic Acid in Bulk, Tablets and Urine. *Anal. Bioanal. Electrochem.*

2017, Development and Validation of Green Spectrophotometric Methods for Simultaneous Determination of Paracetamol, Pamabrom and Pyrilamine Maleate in Bulk and Pharmaceutical Dosage Form. *Journal of Pharmaceutical Research International.*



Research Publications

International

Staff Publications



2017, Simultaneous Determination of Levonorgestrel and Ethinyl Estradiol in Combined Dosage form Utilizing Spectrophotometric Methods and High Performance Thin Layer Chromatographic Method on Nanosilica Gel Plates. *European Journal of Chemistry.*

**Associate.
Prof. Dalia
Mamdouh,**
Analytical
Chemistry
Department



2017. Validated HPLC Method for Simultaneous Determination of Aripiprazole and CoAdministered Clonazepam in Spiked Human Plasma. *J. Pharm. Appl. Chem.*

**Dr. Christine
Maged El
Maraghy,**
Analytical
Chemistry



2017. Advanced Amplitude Centering as an invigorating Manipulation for Unifird Wavelength. *International Journal of Pharmacy and Pharmaceutical Sciences.*

**Dr. Sarah
Salah,** Analytical
Chemistry
Department



Research Publications

International

Staff Publications



2018, Analysis of
paracetamol, pseudoephedrine and
cetirizine in Allercet Cold® capsules using
spectrophotometric techniques" *Chemistry
Central Journal*

**A.L. Souha
Hossam Youssef ,**
Analytical Chemistry
Department



2017, IL-10 and TGF-: Roles in
Chondroprotective Effects of Glucosamine in
Experimental Osteoarthritis? *Pathophysiology*
Volume 24, 2017, Pages 45-49.

**Dr. Nora
Aborehab,**
Biochemistry
Department



Research Publications

International

Staff Publications



February 2017, Investigating the Link Between MCP-1 A-2518G, RANTES G-403A, CX3CR1 V249I and MTHFR C677T Gene Polymorphisms and the Risk of Acute Myocardial Infarction among Egyptians. *Meta Gene*.

January 2017, Assessment of the Link Between Endothelin K198n Snp, Endothelin Concentration and Acute Myocardial Infarction in Egyptians. *Clinical and Experimental Pharmacology and Physiology*.

2017, Association of Manganese Superoxide Dismutase Ala16Val Polymorphism in the Incidence of Acute Myocardial Infarction in the Egyptians. *Journal of Genetic Engineering and Biotechnology*.

October 2017, Polymorphisms in Gap Junction Proteins and Their Role in Predisposition of Acute Myocardial Infarction in Egyptians. *Curr Pharm Biotechnol*.

Dr.
Mohamed
Farouk,
Biochemist
y



Research Publications

International

Staff Publications



November 2017, Nano-technology Contributions Towards the Development of High Performance Radioisotope Generators: The Future Promise to Meet the Continuing Clinical Demand. *Applied Radiation and Isotopes.*

2017, In silico Study and Biological Evaluation of ^{99m}Tc -tricabonyl Oxiracetam as a Selective Imaging Probe for AMPA Receptors. *Journal of Radioanalytical and Nuclear Chemistry*

2017, Nano-titania: A Novel Purification and Concentration Adsorbent for ^{125}I Production for Medical Uses. *Journal of Radioanalytical and Nuclear Chemistry.*

2017, Preparation and Biological Profile of Tc-lidocaine as a Cardioselective Imaging Agent using ^{99m}Tc Eluted from $^{99}\text{Mo}/^{99m}\text{Tc}$ Generator Based on Al-Mo Gel. *Journal of Radioanalytical and Nuclear Chemistry.*

2018, Brain Targeted Rivastigmine Mucoadhesive Thermosensitive *In Situ* Gel: Optimization, *In Vitro* Evaluation, Radiolabeling, *In Vivo* Pharmacokinetics and Biodistribution. *Journal of Drug Delivery Science and Technology.*

Assoc. Prof. Dr.
Tamer Mostafa
Sakr,
Pharmaceutical
Chemistry



Research Publications

International

Staff Publications



2017, Acovenoside A Induces Mitotic Catastrophe Followed by Apoptosis in Non-Small-Cell Lung Cancer Cells. *Journal of Natural Products.*

2017, Antidepressant-Like Effect of Selected Egyptian Cultivars of Flaxseed Oil on a Rodent Model of Postpartum. *Evidence-Based Complementary and Alternative Medicine, Research*

Prof. Dr. Shahira Ezzat, Head of Pharmacognosy Department



2017, Botanical and Genetic Characters of *Erythrina neillii* Cultivated in Egypt. *Brazilian Journal of Pharmacognosy.*

April 2017, Chemical Composition and Biological Activities of the Essential Oil from Leaves and Flowers of *Pulicaria incisa* sub. *candolleana* (Family Asteraceae). *Chem Biodivers.*

May 2017, Phytochemical and Biological Investigation of *Eugenia uniflora* L. Cultivated in Egypt. *J.*

Associate Prof. Riham Omar, Pharmacognosy Department



Research Publications

International

Staff Publications



2017, Phytochemical Profiles and Antimicrobial Activities of *Allium cepa* Red cv. and *A. sativum* Subjected to Different Drying Methods. *Molecules*.

2017, Effect of Oxylipins, Terpenoid Precursors and Wounding on Soft Corals' Secondary Metabolism Analyzed via UPLC/MS and Chemometrics. *Molecules*.

Prof. Dr. Tarek
Eissa,
Pharmacognosy
Department



2017, PCR-RFLP-Based Detection of Mutations in the Chromosomal Fluoroquinolone Targets *gyrA* and *parC* Genes of *Acinetobacter baumannii* Clinical Isolates from a Tertiary Hospital in Cairo, Egypt. *American Journal of Microbiological Research*.

Dr.
Mahmoud
Tawfick,
Microbiology
Department



Research Publications

International

Staff Publications



2017, Carriage Frequency, Phenotypic, and Genotypic Characteristics of Methicillin-resistant Staphylococcus aureus Isolated from Dental Health-care Personnel, Patients, and Environment. *Nature, Scientific Reports 7.*

Associate Prof.
Reham Wasfi,
Microbiology
Department



2017, Biofilm Formation in Enterococci: Genotype-phenotype Correlations and Inhibition by Vancomycin. *Nature, Scientific Reports 7.*

Vesicular Stomatitis Virus Artificially Infected Plasma: A Model for Determination of Viral Inactivation Kinetics of Ascorbic Acid and Beta-propiolactone and Their Effect on Plasma Components Bioactivity. *New Egyptian Journal of Microbiology.* (National Publication)

Associate
Prof. Heba
Magdy,
Microbiology
Department



Research Publications

International

Staff Publications



2017, Diosmin/Essential Oil Combination for Dermal Photo-protection Using a Lipoid Colloidal Carrier. *Journal of Photochemistry and Photo-biology B: Biology.*

Dr. Ahmed Fayez,
Pharmacology Department



2017, Silymarin and Curcumin has a Potential Hepato-Protective Effect against Chemically-Induced Liver Dysfunction. *Virology & Immunology Journal.*

Dr. Sameh Shabaan,
Pharmacology Department



Research Publications

International

Staff Publications



November 2017, IL-8 mRNA and Serum Levels in Vitiligo Patients: A Case Control Study. *Journal of Clinical and Diagnostic Research.*

2017, Evaluation of the Effect and Mechanism of Action of Local Phenytoin in Treatment of Vitiligo. *Journal of Immunoassay and Imm*

2017, Is vitamin D a Participant in Narrow-band Ultraviolet B-induced Pigmentation in Patients with Vitiligo? *Journal of the Egyptian Women's Dermatologic Society.*

Dr. Nada Farag,
Clinical
Pharmacy
Department



Research Publications

Inter- and Intra-Department

Staff Publications

Novel Approach for the Simultaneous Determination of Carbinoxamine Maleate, Pholcodine, and Ephedrine Hydrochloride Without Interference from Coloring Matter in an Antitussive Preparation Using Smart Spectrophotometric Methods. *Journal of AOAC International.*



**Associate. Prof.
Dalia Mamdouh,**
Analytical Chemistry
Department



Dr. Omnia Ali,
Analytical Chemistry
Department

Research Publications

Inter- and Intra-Department

Staff Publications

"Analysis of paracetamol, pseudoephedrine and cetirizine in Allercet Cold® capsules using spectrophotometric techniques" *Chemistry Central Journal, 2018*



**Associate. Prof.
Dalia Mamdouh,**
Analytical Chemistry
Department



AL. Souha Hosam,
Analytical Chemistry
Department

Research Publications

Inter- and Intra-Department

Staff Publications

Design, Synthesis and Biological Evaluation of Some Novel Sulfonamide Derivatives as Apoptosis Inducers. *European Journal of Medicinal Chemistry.*



Assoc. Prof. Dr. Tamer Mostafa Sakr,
Pharmaceutical
Chemistry



Assoc. Prof. Dr. Yassin Nissan, Pharmaceutical
Chemistry

Research Publications

Inter- and Intra-Department

Staff Publications

The Role of Nitric Oxide from Neurological Disease to Cancer. *Adv Exp Med Biol.*



Dr. Ahmed Maher,
Biochemistry Department



Dr. Mohamed Farouk,
Biochemistry Department

Research Publications

Inter- and Intra-Department

Staff Publications

Profile of Bioactive Compounds in *Nymphaea alba* L. Leaves Growing in Egypt: Hepatoprotective, Antioxidant and Anti-inflammatory Activity. *BMC Complementary and Alternative Medicine.*



Associate Prof. Somaya Zaghoul, Pharmacognosy Department



Associate Prof. Riham Omar, Pharmacognosy Department

Research Publications

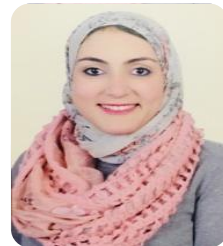
Inter- and Intra-Department

Staff Publications

A Putative Chondroprotective Role for IL-1 β and MPO in Herbal Treatment of Experimental Osteoarthritis. *BMC Complementary and Alternative Medicine.*



Dr. Mahitab Helmy, Pharmacognosy
Department



Dr. Noura Aborehab, Biochemistry
Department

Awards & Competitions



Awards & Competitions

Students Awards



In 2017, Students enrolled in SMC (**Scientific Microbiology Club**) under supervision of Prof.Dr. Faten Baioumy have involved in the activities of Egyptian Science Week, entitled "**Microbiology for all**".

The Egyptian Science Week is the biggest event in Egypt promoting science and technology throughout all Arab Republic of EGYPT. More than 12000 researchers and students registered to participate. This event is under patronage Academy of Scientific Research , Zewil city , HADATH, Knowtify and lots of universities like American University in Cairo , Ain shams University .(<https://egyptianscienceweek.org/>)



Awards & Competitions

Students Awards



جامعة أكتوبر للعلوم الحديثة والآداب MSA

طالبان بجامعة أكتوبر للعلوم تفوزان
بمركزين متقدمين بمسابقة "استشارة"





شهادة تقدير

تتقدم اللجنة المنظمة لأسبوع العلوم المصري بخالص الشكر والتقدير لفريق
Scientific Microbiology Club بجامعة أكتوبر للعلوم والآداب الحديثة
وذلك لفوزه بأفضل نشاط طلابي على مستوى محافظة الجيزة للعام ٢٠١٧
مع تمنياتنا بدوام التقدم والازدهار

رئيس اللجنة المنظمة
لأسبوع العلوم المصري
Mohamed Alwoud
م / محمد عبود





Awards & Competitions

Students Competitions

The University's Pharmacy students have achieved great achievements for **the SECOND time** in the national competition for **"Patient Consultation"** organized by the Egyptian Federation of Pharmacy Students of the International Union of Pharmacy Students, held at the Russian University in February.

Martha Salah won **FIRST PLACE** in the competition for beginners, and **Sarah Al-Gritly** won **SECOND PLACE** in the Advanced Level Competition.



1



Awards & Competitions

Staff Awards



**Young Investigator Award
For Abstract**

Dr. Nora Aborehab

"Chondroprotective Effect of Ginger/Turmeric Treatment in MIA Induced Osteoarthritis Rat Model".



Academic



Academic Events

Newcomers Orientation

Our great staff participated in the newcomers' orientation to guide the students in their new University life. The intent of this collaboration is to assist the student in developing meaningful educational goals that are consistent with personal interests, values and abilities, providing and encouraging supportive relations between students, and between staff and students, providing a holistic perspective on a student's academic progress across the modules within their programme and maintaining motivation and a sense of purpose.



Academic Events

Conferences



CONFERENCES

Academic Events

National

Conferences

Microbiology Department

Associate Prof. Reham Wasfi



1. "Induction and Resuscitation of the Viable but Non Culturable State in *Acinetobacter Baumannii* and *Proteus Mirabilis* Clinical Isolates". *14th National Conference on Biochemistry and Microbiology, MSA University; April, 2017.*
2. "The Effect of Selected *Lactobacillus* Species on Growth and Biofilm Formation of *Streptococcus Mutans*". *Al-Azhar 5th International Conference of Pharmaceutical Sciences and Drug Industries. Hurgada, Egypt; September 2017.*

Associate Prof. Heba Magdy



"Investigation of the distribution and expression of key genes in the fucose operon in *Escherichia coli*". *14th National Conference on Biochemistry and Microbiology, MSA University; April, 2017.*

Dr. Mahmoud Tawfick



"Bioinformatics Signatures Assisted Molecular Diagnostics of Infectious Diseases". *14th National Conference on Biochemistry and Microbiology, MSA University; April, 2017.*



Academic Events

National

Conferences

Analytical Chemistry Department

Associate Prof. Dalia Mamdouh



1. "Enhanced LC-MS/MS Method for Qualitative Determination of the Co-administered Drugs; Ceftriaxone Sodium and Lidocaine Hydrochloride in Human Plasma: An Application to Pharmacokinetic Study". *Al-Azhar 5th International Conference of Pharmaceutical Sciences and Drug Industries. Hurghada, Egypt; September 2017.*
2. "Simultaneous Separation and Quantitation of Chlorpheniramine, Pseudoephedrine and Ibuprofen in Antitussive Preparation by High-performance Liquid Chromatography and Thin-layer Chromatography-densitometric Methods". *4th FUE International Conference of Pharmaceutical Sciences. Jan 31- Feb 2, 2017.*

Dr. Omnia Ali



"Simultaneous Separation and Quantitation of Chlorpheniramine, Pseudoephedrine and Ibuprofen in Antitussive Preparation by High-performance Liquid Chromatography and Thin-layer Chromatography-densitometric Methods". *4th FUE International Conference of Pharmaceutical Sciences. Jan 31- Feb 2, 2017.*

Professor Dr. Manal Foad



Chromatographic and spectrophotometric methods for the simultaneous determination of articaine-HCl and epinephrine. ". *Al-Azhar 5th International Conference of Pharmaceutical Sciences and Drug Industries. Hurghada, Egypt; September 2017.*

DEVELOPMENT AND VALIDATION OF SPECTROPHOTOMETRIC METHODS FOR SIMULTANEOUS DETERMINATION OF PARACETAMOL AND PAMABROM AND PYRILAMINE MALEATE IN BULK AND PHARMACEUTICAL DOSAGE FORM. *Cairo University*

Academic Events

National

Conferences

Pharmacognosy Department



Professor Dr. Shahira M. Ezzat

1. "In vitro and in vivo antidiabetic potential of furostanol saponin from *Balanites aegyptiaca* together with aldose reductase inhibition activities ". *4th FUE International Conference of Pharmaceutical Sciences. Jan 31- Feb 2, 2017.*
2. "Renin Enzyme Inhibitory Effect By The Nutritious Edible Berries of *Solanum indicum*". *Al-Azhar 5th International Conference of Pharmaceutical Sciences and Drug Industries. Hurghada, Egypt; September 2017*

Biochemistry Department



Dr. Nora Aborehab

- "Hepatoprotective Effects of Ginger alone and in Combination with Grape Seed in Paracetamol Induced Liver Toxicity in Rats". *8th International Scientific Conference of Faculty of Pharmacy, Cairo University, Cairo, Egypt. Pharmacy in Egypt: Ensuring Access to Health". April, 2017.*
- "Hepatoprotective Effect of Ginseng Extract in Rats with Aflatoxin Induced Liver Cancer". *14th National Conference on Biochemistry and Microbiology, MSA University; April, 2017.*



Academic Events

International

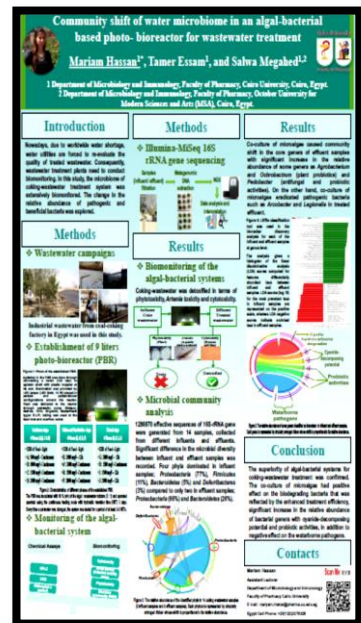
Conferences

Microbiology Department

Professor Dr. Salwa Megahed

"Community Shift of Water Microbiome in an Algal-Bacterial Based Photobioreactor for Wastewater Treatment (2017)".

9th Probiotics, Prebiotics & New Foods, Nutraceuticals and Botanicals for Nutrition & Human and Microbiota Health . 9th Probiotics, Prebiotics & New Foods, Nutraceuticals and Botanicals for Nutrition & Human and Microbiota Health . Rome, Italy; September 2017.



Academic Events

International

Conferences

Microbiology Department



Associate Professor Heba Magdy

"Variable distribution patterns of fucose utilization genes and pathways in enterobacteria and their potential role in gut microbiome communication with passenger bacteria".

9th Probiotics, Prebiotics & New Foods, Nutraceuticals and Botanicals for Nutrition & Human and Microbiota Health . 9th Probiotics, Prebiotics & New Foods, Nutraceuticals and Botanicals for Nutrition & Human and Microbiota Health . Rome, Italy; September 2017.



Academic Events

International

Conferences

Biochemistry Department



**Young Investigator Award
For Abstract**

Dr. Nora Aborehab

"Chondroprotective Effect of Ginger/Turmeric Treatment in MIA Induced Osteoarthritis Rat Model".

The Osteoarthritis Research Society International (OARSI). Las Vegas, Nevada, USA; April, 2017.



Academic Events

International

Conferences

Pharmacognosy Department



Associate Prof. Soumaya Zaghloul

**"Phenolic Metabolites, Antioxidant and Cytotoxic Activities from
Ammania Auriculata".**

**8th PARIS International Conference on Chemical, agricultural,
Biological and Health Sciences. (CABHS). 2017.**



Academic Events

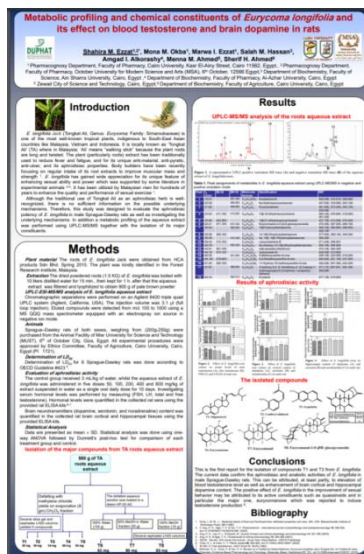
International

Conferences

Pharmacognosy Department

Prof. Dr. Shahira Ezzat

Metabolic profiling and chemical constituents of *Eurycomalongifolia* and its effect on blood testosterone and brain dopamine in rats



Prof. Dr. Shahira Ezzat, participated in Dubai International Pharmaceuticals and Technologies Conference and Exhibition.



Academic Events

International

Conferences

Pharmacognosy Department

Dr. Eman Sherin

A coumarin with an unusual structure from *Cupheaignea*, its cytotoxicity and antioxidant activities

A coumarin with an unusual structure from *Cupheaignea*, its cytotoxicity and antioxidant activities
E.S. MOUSTAFA*, A. N. HASHEM, M. A. NAWWARD, U. LINDEQUIE*
 October University for Modern Sciences and Arts, 10th October City; *Pharmacognosy Department
 Department of Pharmacognosy and Plant Systematics, National Research Center, Dokki, Cairo, Egypt;
 *Pharmaceutical Biology, Institute of Pharmacy, Ernst-Moritz-Arnold-University, Greifswald, Germany

Introduction: The coumarin class over the world always look for new and useful applications to humanity. In this paper, an original type of coumarin in the genus of *Cupheaignea* because they possess 6- and 7- substituted phenyl rings substituted to unsaturated phenylacetone and biological importance of their structure and their toxicity and to isolate and identify the compound. The compound was isolated from the stem bark of *Cupheaignea* plant. The compound was isolated from the stem bark of *Cupheaignea* plant because they offer new chemical models to be taken as target for comprehensive biological investigations and the subsequent simple structure modification or synthesis of these compounds to achieve new pharmaceutical drugs.

Materials: The stem bark of the drug was collected from the plant of *Cupheaignea* and to achieve separate which single process was structural factors. Consequently, we isolated a new compound that possess an unusual structure of the coumarin type. The compound was isolated from the stem bark of *Cupheaignea* plant. The compound was isolated from the stem bark of *Cupheaignea* plant because they offer new chemical models to be taken as target for comprehensive biological investigations and the subsequent simple structure modification or synthesis of these compounds to achieve new pharmaceutical drugs.

Extraction: Fresh whole plant sample of *Cupheaignea* (L.) was extracted with hot EtOAc:MeOH. The solvent was removed under reduced pressure.

Results: Fresh whole plant sample of *Cupheaignea* (L.) was extracted with hot EtOAc:MeOH. The solvent was removed under reduced pressure.

Pharmacological Activity: The effect of the compound on the radical scavenging activity using DPPH and ABTS assays. The effect of the compound on the radical scavenging activity using DPPH and ABTS assays. The effect of the compound on the radical scavenging activity using DPPH and ABTS assays. The effect of the compound on the radical scavenging activity using DPPH and ABTS assays.

Conclusion: The present study has revealed that *Cupheaignea* is a plant rich phenolics and it exhibited cytotoxicity on four cell lines and antioxidant activity especially against free radical scavenging activity and anti-inflammatory activity. The compound was isolated from the stem bark of *Cupheaignea* plant. The compound was isolated from the stem bark of *Cupheaignea* plant because they offer new chemical models to be taken as target for comprehensive biological investigations and the subsequent simple structure modification or synthesis of these compounds to achieve new pharmaceutical drugs.



Dr. Eman Sherin, participated in Dubai International Pharmaceuticals and Technologies Conference and Exhibition.



Academic Events

International

Conferences

Analytical Chemistry Department



Dr. Omnia Ali

Comparative Study Of Ion Selective Membrane Electrode Versus Coated Wire Electrodes For Potentiometric Determination Of Ternary Mixture In Syrup Formulation And Biological Fluid

Dr.Omina Ali participated in the **Scientific International Conference under the title: Recent Trends in Pharmaceutical Sciences.** Faculty of Pharmacy, Egyptian Russian University.



Academic Events

T.A Ahmed Osama Soliman
Biochemistry Department



MSA is honored to congratulate its Teaching Assistant Ahmed Osama Soliman, Biochemistry Department, Faculty of Pharmacy, for being selected among **top African delegates** and granted full coverage for representing the University internationally in three research schools and a World Congress in 2017; one school was at McGill University, Montreal, Canada involving Neurogenesis, Gene editing and Molecular Biology advanced lab training. While the other two schools were last September and November at Mohammed V University, Rabat, Morocco covering Brain Connectomics, Neural circuits, Neuro-immunology and Neuro-degenerative diseases.

Moreover, Ahmed was a poster presenter at one of the most prestigious Neuroscientists meetings worldwide; the 11th Canadian Association for Neuroscience Meeting CAN-2017, Montreal, Canada.

Such advanced trained staff is one of MSA ways to remain a top educational University. MSA wishes Ahmed and all its staff the best in their research endeavors.





Academic Events

Summer Training



The Faculty of Pharmacy at MSA University, has successfully provided summer training opportunities to 500 students at several and exceptional pharmaceutical companies, and the participating students were awarded at the University campus for their outstanding performance throughout their training in presence of Prof. Dr. Hanan Al-Laithy and the representatives of the pharmaceutical companies.



Academic Events

Workshops

Pharmacovigilance Workshop



In general, **Pharmacovigilance** aims to monitor the safety of the drugs usage by patients through controlling the rules of the use of medication in terms of doses and reasons of use with minimal side effects. The Ministry of Health approved the pharmacovigilance in all registration files in all pharmaceutical companies, whether local or foreign companies.



Academic Events

Workshops

Pharmacovigilance Workshop



Academic Events

Workshops

DIC Workshop

جامعة أكتوبر للعلوم الحديثة والآداب
 بالتعاون مع مركز المعلومات للأدوية
 التابع لوزارة الصحة
 بغير رسوم
 :مركز

"The Systemic Approach to Egyptian Drug Information Center Tools & Guidelines"

المقامة في يومي 4 و 5 ديسمبر
 من الساعة 9 ص حتى الساعة 4م
 وذلك في قاعة خدمات الطلبة (SSB)
 في مقر الجامعة في 6 أكتوبر

مع العلم أن الحضور مجاني وسوف يتم حصول المشاركين على
 شهادة معتمدة من مركز المعلومات الدوائية

للتسجيل:
https://docs.google.com/forms/d/1wBP6Zq2SO3_v1h4Rghab0n00-jZpshHY9fmw8iEug/viewform?edit_requested=true

The University of MSA is always interested in the modern Sciences and new fields of Pharmaceutical sciences in Egypt, So The Faculty of Pharmacy organized **"The Systemic Approach to Egyptian Drug Information Center Tools & Guidelines"** workshop under supervision of **Prof. Dr. Hanan Al- Laithy**.



Academic Events

Workshops

DIC Workshop



Academic Events

Workshops



EPSF-MSA organized a 2 days workshop to prepare Pharmacy students for the available post graduate pharmaceutical recruitment channels.

The work shop was delivered by a number of professional pharmacists in all pharmaceutical fields including the pharmaceutical industry, clinical pharmacy, community pharmacies, etc.

The workshop was attended by about 200 Pharmacy students.



Academic Events

Seminar

Nano Drug Delivery Systems: Pharmacological and Formulation Insights



Speaker

Prof. Gerrit Borchard
Professor of
Biopharmaceutics,
University of Geneva

Seminar Title

Critical quality attributes for non-biological complex Drugs (NBCDs): What we know and what we know we don't know



Speaker

Assoc. Prof. Patrycja Nowak-Sliwinska
Assoc. Professor of
Pharmacology, University of

Seminar Title:

Why one medication is not enough: The need of combined strategies



Speaker

Assoc. Prof. Ahmed Al-Abd
Ass. Professor of Pharmacology,
NRC, Egypt

Seminar Title:

**Intratumoral pharmacokinetics-microenvironment
Interaction: challenges to drug delivery systems**



Academic Events

Seminar

Nano Drug Delivery Systems: Pharmacological and Formulation Insights



Staff Promotions & Accomplishments

Awarded Academic Degrees

MSc Degree Holders



Master's Degree



Souha Hosam, Fall 2017

Assistant Lecturer of Analytical
Chemistry, Cairo University



Amany Abdelfattah, Fall 2017

Assistant Lecturer of Microbiology &
Immunology, University of Greenwich



Manar Samy, Fall 2017

Assistant Lecturer of Pharmacognosy,
University of Greenwich



Staff Promotions & Accomplishments

Awarded Academic Degrees

PhD Degree Holders



Nabila Sweed, Spring 2018

Lecturer of Pharmaceutics, Cairo University



Associate Professor



Reham Wasfy, Spring 2018

Associate Professor of Microbiology & Immunology, Cairo University





Heba Magdy, Spring 2018

Associate Professor of Microbiology & Immunology, Cairo University



Staff Promotions & Accomplishments

University of Greenwich Postgraduate Certificates in Higher Education Programme



We believe that inspiring and well informed staff help our students reach their potential and much more. From that prospective, MSA targets a team of staff members for PG certification; ongoing professional development keeps them up-to-date on new research, emerging technology tools for the classroom, new curriculum resources, and more. The faculty of Pharmacy is proud to present their candidates for fall 2017

PGCert

Staff Promotions & Accomplishments

University of Greenwich
Postgraduate Certificates in Higher
Education Programme





Dr. Sarah Salah
(Analytical Chemistry
Dep.)





Dr. Rana Refaey
(Pharmaceutical Chemistry
Dep.)

Dr. Sherine Mahmoud
(Biochemistry Dep.)



PGCert



Scholarships



Greenwich Scholarships



MSA Pharmacy graduate was awarded PhD scholarship to the University of Greenwich this year.



"I would like to thank MSA University for giving me this opportunity scholarship to complete my studies abroad in the United Kingdom in University of Greenwich. And I am sincerely honored to have been selected as a candidate for the MPhil/PhD program, as MSA has always been keen to offer what is best for its students and graduates."

Thank you MSA for your thoughtful and generous gift.

Arwa Ahmed, 2017

**MPhil/PhD in
Pharmacognosy Scholarship**





The Alumni





Alumni's Quotes



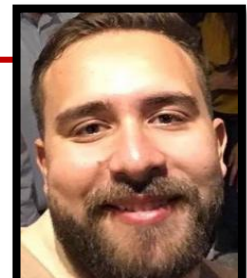
**Abdallah
 Hesham
 Mansour, 2017**

MSc Student at Assuit
 University
 Product specialist at Hikma
 Pharmaceuticals

When asked about MSA faculty of pharmacy, as graduate I reply as a part of one of the most respected educational institution in Egypt , that we have a spirit truly unlike any other: we pride ourselves on our uncommon creativity, our commitment to learning. MSA showed me that if it something was easy, it was probably boring. And if I wasn't being pushed, I was probably approaching it the wrong way. For undergraduates I want to tell you that, classwork and learning are time consuming, but making your education and coursework a priority creates a valuable habit that will continue to serve you well in your professional life. Great employees add value to their organizations by continuing to learn and apply what they've learned in their respective fields and what I learned at MSA have a huge impact on my career till now



Leading a successful career started early from the first day in MSA, where I learned professionalism , academic thinking and self-discipline in a very healthy atmosphere full of friendly colleagues and professional staff who both became life friends , brothers and sisters . I owe MSA the unforgettable lectures , labs , projects , researches , presentations , parties , trips , games , fun days and the best people I met in my life . It is a University that started my career success early, from day one, in the faculty of pharmacy, MSA University



**Karim Kamel,
 2012**

MS Product
 specialist




Alumni's Quotes



**Youhanna Nehad,
2016**

Quality Control
Specialist
EVA Pharma Group
Limited industry



“The faculty of pharmacy at MSA University is unique with the advanced curriculum which is rigorous and will challenge you; also the concepts they teach are essential to becoming a strong pharmacist and a special one with the highest qualification in the specified field chosen in the graduation project”



It was a great experience to be in MSA University, it has been the greatest 5 years ever full of experiences with a lot of responsibilities, I learned how to be always on time & work every day. It was not easy as I thought but it was all about challenging, questioning & pushing you to the limit. MSian and Proud!



Mona Al- Ghobashy, 2014
Hospital Pharmacist
Agoouza Police Hospital



**Ahmed Abdel
Hakim, 2017**
Branch Manager
Dr. Pharma
Pharmacies

MSA University, faculty of Pharmacy meant a lot to me. Colleagues, staff and the scientific content in MSA has helped me to be experienced in different science disciplines. In my work as a branch manager for chain of pharmacies I found that MSA prepared me to deal with any issues. To be this young in age compared to other people with the same job title but more developed in mind and a successful pharmacist with value in the work field.



Faculty of Pharmacy

**"It always seems impossible until it's done."
Nelson Mandela**