



Report on the Scientific Conference of Scientific Departments (2024-2023)

New Horizons in Scientific Research

Place: Faculty of Pharmacy, Horus University

Date: Monday 29/7/2024 and Wednesday 31/7/2024

Organizing Sector: Community Service and Environmental Development Affairs Sector

Target Group: All faculty members, university auxiliary staff, graduates and students

Description:

Under the patronage of Prof. Ibrahim Saber, Chairman of the Board of Trustees

Prof. Hassan El-Shennawy, Vice Chairman of the Board of Trustees

Prof. El-Saeed Abdel-Hadi, President of Horus University

Prof. Dr. Magda Nasr Ahmed Nasr, Vice President of Horus University and Dean of the Faculty of Pharmacy

المؤتمر العلمي لكلية الصيدلة جامعة حورس
2024 HUE-PHARM CONFERENCE

تحت رعاية

أ.د. إبراهيم صابر رئيس مجلس أمناء جامعة حورس	أ.د. حسن الششماوي عضو مجلس أمناء جامعة حورس
أ.د. السعيد عبد الهادي رئيس جامعة حورس	أ.د. ماجدة نصير نائب رئيس جامعة حورس وعميد كلية الصيدلة

وبتنظيم من قطاع خدمة المجتمع وشئون البيئة بكلية الصيدلة جامعة حورس
المؤتمر العلمي للأقسام العلمية لكلية الصيدلة جامعة حورس
"أفاق جديدة في البحث العلمي"

29-31
JULY
2024
كلية
الصيدلة
جامعة حورس
مصر

اللجنة المنظمة للمؤتمر العلمي
لكلية الصيدلة جامعة حورس - مصر

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Conference Objectives

- 1- Creating deep awareness of the importance of the role played by scientific departments in the educational process.
- 2- Achieving harmony between university outputs and labor market requirements.
- 3- Participating in successful experiences in scientific departments by explaining the details of the experience and how this experience was reflected in the development of the scientific department and the development of the educational process in it, or how the experience contributed to excellence and creativity.
- 4- Generalizing successful experiences to other scientific departments plays a role in achieving the strategic goals of the college.
- 5- Building bridges of communication and interaction between the various scientific disciplines in the college to enrich scientific research.
- 6- Exchanging experiences between scientific departments in order to achieve the highest standards of quality in education and scientific research.
- 7- Raising and discussing the most prominent challenges facing scientific departments.



Conference Topics

- 1-Stimulating research production of the scientific department
- 2-Creative scientific research
- 3-Challenges and obstacles to scientific publishing and ways to overcome them
- 4-Using modern technologies in scientific research.
- 5- Encouraging faculty members and assistants to research and innovate.

Conference Agenda

Location: Hall A

First day

The activities of the first day included the following

- 1-The first day began with registering attendance. The number of attendees was 110, including deans and vice deans of the university's colleges, faculty members, assistant staff, students, and graduates.
- 2- Then the national anthem and a blessed recitation of verses from the Holy Quran
- 3-Prof. Dr. Al-Saeed Abdel-Hadi, President of Horus University, and Prof. Dr. Magda Nasr, Vice President of Horus University and Dean of the Faculty of Pharmacy, opened the scientific conference of the scientific departments of the Faculty of Pharmacy, Horus University - Egypt, under the title (New Horizons in Scientific Research)
- 4-The opening speech by the President of the University - my father began by extending thanks and greetings to the attendees and participants in the conference. His Excellency also pointed out in his speech the importance of the pharmacist's role in the health care team and the necessity of integrating roles between all members of the health care team to improve the health services provided to patients.
- 5-Prof. Dr. Magda Nasr - Dean of the Faculty also pointed out in her speech the importance of the conference and the keenness of the Faculty of Pharmacy to hold scientific conferences to enrich scientific research and exchange experiences. This is



reflected in the educational process and academic performance to provide students with all the necessary academic background, skills and training to prepare a distinguished generation of pharmacists capable of competing effectively in the labor market and developing the health services provided and achieving qualitative leaps in recovery rates from a number of diseases.





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1-Prof. Dr. Ahmed Fikry, Director of the Grants and Projects Office at Horus University, gave a lecture entitled “Scientific tools for Searching and Evaluating Research Points: Enhancing Research Efficiency and Impact”



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Session 1
Scientific Tools for Searching and
Evaluating Research Points: Enhancing
Research Efficiency and Impact

Assist. Prof. Ahmed Fekri

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Session 2
Exploring AI: Cutting-Edge Developments
and Academic Applications

Assist. Prof. Mahmoud
El-khodary

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2-Then, Prof. Dr. Mahmoud El-Khodary, Assistant Professor at the Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Horus University, gave a lecture entitled “Exploring AI: Cutting- Edge Developments and Academic Applications”



break

1- After a half-hour break, the speeches of the heads of the scientific departments began in the form of presentations that included the following:

Vision and mission of the department

Overview of the department

Strategies used in teaching and learning in the department.

Development in scientific courses, if any.

Classroom and scientific activities carried out by the scientific department.

Research production of the department in the academic year 2023-2024

Promotions.

Scientific department seminars.

2- Speech by Assistant Professor Mohamed Mansour Salem, Acting Head of the Department of Pharmaceutical Chemistry, then the Vice-Presidents of the

Department for the various specializations:

Prof. Dr. Hamada Abu Al-Khair (Pharmaceutical Organic Chemistry Specialization)

Prof. Dr. Mohamed Abdel Ghaffar Hamouda (Pharmaceutical Chemistry Specialization)

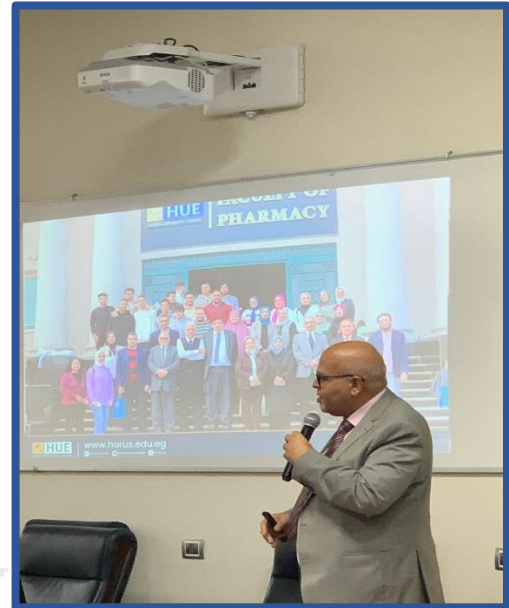
Dr. Mahmoud Al-Khadri (Pharmaceutical Analytical Chemistry Specialization)

3- Speech by Assistant Professor Hosni Aliouh, Acting Head of the Department of Pharmacy Practice.

4- Speech by Professor Dr. Amal Abdel Hamid Jalala, Head of Drugs.

5- Speech by Assistant Professor Amani Abdel Majeed Al-Zaqqaqi, Acting Head of the Department of Drugs, Toxicology and Biochemistry.

Speech by Assistant Professor Abdul Aziz Al-Jamal, Acting Head of the -6 Department of Microbiology and Immunology. 7- Speech by the Head of the .Department of Pharmaceutical Technology, delivered by Dr. Nahal Al-Far



End of the first day

Day 2

:The activities of the second day included the following

1-Hanging posters.

2-Four workshops were held on the sidelines of the conference.

ورشة العمل الأولى

-1

**المؤتمر العلمي لكلية الصيدلة جامعة حورس
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Prof. Dr. Hamada S. Abulkhair
Professor of Organic Chemistry

Title:
In silico prediction of cytotoxicity,
biological target, and binding
interactions of new drug candidates

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10:00 – 2:00 PM

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**المؤتمر العلمي لكلية الصيدلة جامعة حورس
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Dr/ Mohamed H. Abu Taleb
Lecturer of Pharmaceutical Chemistry
at Horus University

Title:
In silico prediction of cytotoxicity,
biological target, and binding
interactions of new drug candidates

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In-Silico Prediction of Cytotoxicity, Biological target, and Binding Interactions of New Drug Candidates	Title:
Prof. Dr. Hamada Abu El Khair Dr. Mohamed Hamdan Abu Taleb	Lecturer:
Faculty of Pharmacy / Horus University - Egypt	Implementing body:
Faculty members, assistant staff, graduate students and students	Target group:
Wednesday 7/31/2024	Day and date:



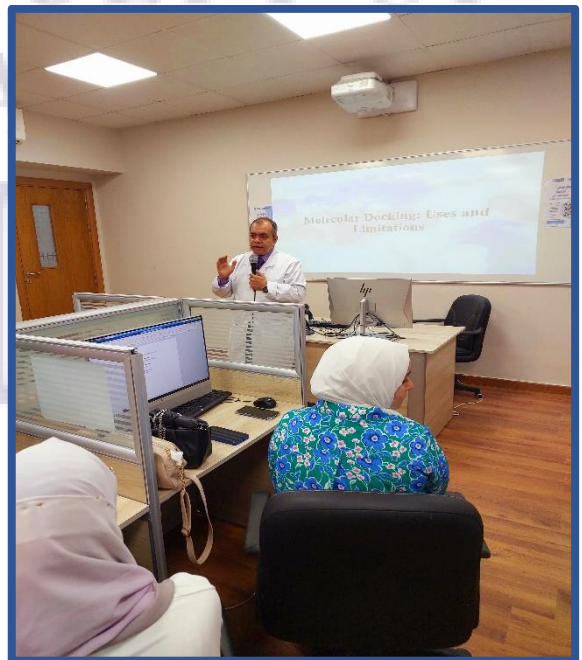
10:00- 2:00 PM	Time
Faculty of Pharmacy P.108	Place:
30	Number of participants:





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Second workshop



Title:	Data Analysis Using SPSS Software
Lecturer:	Prof. Dr. Doaa Shukry (Assistant Professor, Faculty of Medicine)
Implementing Agency:	Faculty of Pharmacy / Horus University - Egypt
Target Group:	Faculty members, assistant staff and postgraduate students.
Day and Date:	Wednesday 7/31/2024
Time:	10:00 - 2:00 PM
Location:	Faculty of Pharmacy P.101
Number of Participants:	38





Workshop 3



The poster features the Faculty of Pharmacy logo and HUE (Horus University - Egypt) logo. The main text reads: 'المؤتمر العلمي لكلية الصيدلة جامعة حورس 2024 HUE-PHARM CONFERENCE'. The speaker is 'Dr/ Mohamed Khalil El Mahdy', Lecturer of Pharmacology and Toxicology. The title of the workshop is 'OTC Medicines'. The event is part of the 'المؤتمر العلمي للأقسام العلمية لكلية الصيدلة جامعة حورس' with the theme 'آفاق جديدة في البحث العلمي'. The date is '31 JULY 2024' (Wednesday, July 31, 2024). The time is '10:00 - 2:00 PM' and the location is 'P 408 Faculty of Pharmacy'. The website 'www.horus.edu.eg' is also listed.

Title:	OTC Medicines
Lecturer:	Dr. Mohamed Khalil El Mahdy
Executing Agency:	Faculty of Pharmacy / Horus University - Egypt
Target Group:	Students and Graduates
Day and Date:	Wednesday 7/31/2024
Time:	10:00 - 2:00 PM
Location:	Faculty of Pharmacy P.408
Number of Participants:	25





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Fourth workshop



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Assist. Lecturer/ Amr Y. Zakaria
Pharm D, M.Sc. of Clinical Pharmacy,
Teaching Assistant in Pharmacy Practice
Department, Horus University
Former Clinical Pharmacist at
Children's' Cancer Hospital in Egypt.

Title:
Clinical Pharmacists' Keys to practice

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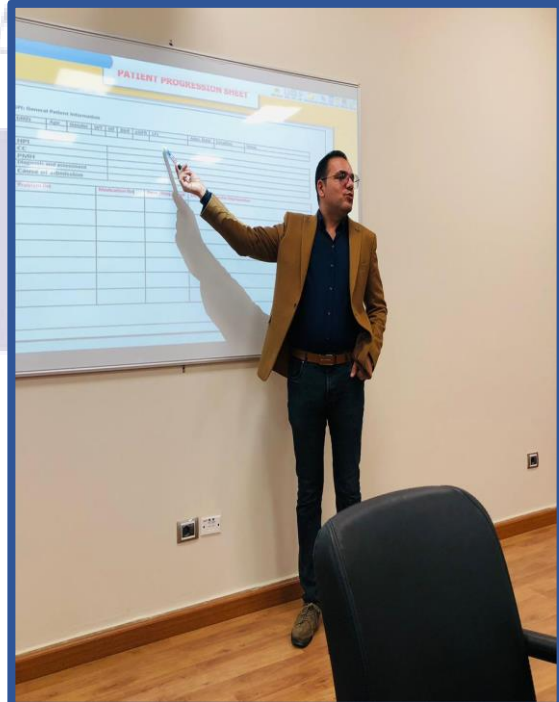
10:00 – 2:00 PM

301
Faculty of
Business

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Title:	Clinical Pharmacist's Keys to Practice
Lecturer:	DR. Amr Yehia Zakaria
Implementing Agency:	Faculty of Pharmacy / Horus University - Egypt
Target Group:	Students and Graduates
Day and Date:	Wednesday 7/31/2024
Time:	10:00 - 2:00 PM
Place:	In the new Business Administration Building P.301
Number of Participants:	12







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break


Poster Session -1

Researchers participated in the conference with posters in all scientific disciplines at the college

1- Pharmaceutical Organic Chemistry Specialization

-  New benzimidazole based hybrids: Synthesis, molecular modeling study and anticancer evaluation as TopoII inhibitors.
-  Drug Design Strategies for Targeting Epigenetics
-  1,2,3 Triazole hybrid as anticancer agents

2- Medical Chemistry Specialization

-  New 2-alkoxycyanopyridine derivatives as inhibitors of EGFR, HER2, and DHFR: Synthesis, anticancer evaluation, and molecular modeling studies



- 1,4,5,6,7,8-Hexahydroquinolines and 5,6,7,8- tetrahydronaphthalenes:

A new class of antitumor agents targeting the colchicine binding site of tubulin

3-Pharmaceutical Analytical Chemistry Specialization

Recent Advances of Using Innovative Strategies in Management of Millet Plant Pathogens - Nanobiosensors: A powerful Technology for Early Detection

- Spectrophotometric estimation of celecoxib/tramadol combination
- A simple Spectrophotometric Approach for the Assessment of Etidronate in Pharmaceutical Dosage Forms

4- Department of Pharmaceutical Technology

- Revolutionizing Psoriasis Topical Treatment: Enhanced Efficacy Through Ceramide/Phospholipid Composite Cerosomes Co-Delivery of Cyclosporine and Dithranol: In-Vitro, Ex-Vivo, and in-Vivo Studies
- Permeation enhancers loaded bilosomes for improved intestinal absorption and cytotoxic activity of doxorubicin
- Formulation, optimization and evaluation of ocular gel containing nebivolol Hcl-loaded ultradeformable spanlastics nanovesicles: In vitro and in vivo studies
- A Promising Ternary Solid Dispersion of Aceclofenac Containing Tablet with Enhanced Dissolution, and Potentiated Anti-inflammatory Efficacy
- Carvacrol-Loaded Phytosomes for Enhanced Wound Healing: Molecular Docking, Formulation, DoE-Aided Optimization, and in vitro/in vivo Evaluation


5-Department of Pharmacology, Toxicology and Biochemistry

- Carvacrol enhances anti-tumor activity and mitigates cardiotoxicity of sorafenib in thioacetamide-induced hepatocellular carcinoma model through inhibiting TRPM7
- Association of CTLA-4 rs733618 and rs4553808 Gene variants with Psoriasis Vulgaris in Egyptian Population







6-Department of Microbiology and Immunology

- Assessment of typing methods, virulence genes profile and antimicrobial susceptibility for clinical isolates of Proteus mirabilis






 **Inhibition of Erythromycin and Erythromycin-Induced Resistance among Staphylococcus aureus Clinical Isolates**

-  **Prevalence and Antimicrobial Susceptibility of Enterobacteriaceae Isolated from Ready-to-Eat Foods Retailed in Damietta, Egypt**

7-Pharmacy Practice Department

-  **Targeting HSP47 and HSP70: promising therapeutic approaches in liver fibrosis management**
-  **Clinical study evaluating selective and non-selective beta blockers and fracture risk in patients with primary osteoporosis**
-  **Effect of a high dose atorvastatin as added-on therapy on symptoms and serum AMPK/NLRP3 inflammasome and IL-6/STAT3 axes in patients with major depressive disorder: randomized controlled clinical study**
-  **A randomized placebo-controlled, double-blind study to investigate the effect of a high oral loading dose of cholecalciferol in non-alcoholic fatty liver disease patients, new insights on serum STAT-3 and hepassocin**
-  **Correlation between depression scores and serum NFκB/NLRP3axis, biotinidase, and HMGB1 after treatment with isotretinoin in patients with acne vulgaris**
-  **Alpha-lipoic acid improved anemia, erythropoietin resistance, maintained glycemic control, and reduced cardiovascular risk in diabetic patients on hemodialysis: a multi-center prospective randomized controlled study**

8- Department of Drugs

-  **Natural bioactive compounds can be sourced from the fungal endophytes that inhabit plants**
-  **Anticancer potential of solanaceae plants**
-  **Bioactive natural pigments**
-  **Elucidation of Natural Components of Gardenia thunbergia Thunb. Leaves: Effect of Methanol Extract and Rutin on Non-Alcoholic Fatty Liver Disease**
-  **Review on hepatoprotective natural plant**

Posters were given code numbers and judged by specialized professors, and four winners of the Best Poster Award .were announced



Closing ceremony

**The conference was concluded with a speech by Prof. Dr. Magda -1
Nasr Ahmed Nasr, Vice President of the University and Dean of the**

Faculty of Pharmacy.



Prof. Dr. Sahar Refaat Gedara, Vice Dean of the College for Community Service and Environmental Development Affairs and Head of the Organizing Committee, announced the conference recommendations, which are:

The recommendation is that the Scientific Departments Conference be the nucleus for holding an annual international conference on pharmaceutical sciences, whose activities will be launched from within Horus University and to which senior scientists from various international research entities will be invited.

Maintaining the college's accreditation and working on the college's advancement and progress and improving performance in the educational process and scientific research.

Communicating with students and graduates and holding workshops periodically in a manner that suits the target group.

Financial support for scientific research and establishing a cell culture unit at the Faculty of Pharmacy, Horus University, and completing the missing devices.



Emphasizing the importance of the role of scientific departments in civil society and solving the problems facing it and encouraging cooperation between different departments in the field of scientific research.

The importance of completing the postgraduate studies regulations and thus enriching the scientific research aspect.

The necessity of emphasizing the participation of faculty members and their assistants in all scientific and research activities.

Introducing both artificial intelligence and in silico process simulation tools into pharmaceutical education and curriculum development by holding various workshops on artificial intelligence and how to benefit from it in developing curricula and adopting new methods in teaching and learning and raising the cultural and scientific level of faculty members and auxiliary staff and competing with other universities locally and globally.

The necessity of benefiting from scientific research and transforming it into industries that serve society.

Establishing a training and university performance development center for faculty members and auxiliary staff in line with the needs of the College of Pharmacy and scientific research.

Paying attention to the continuous development of researchers' skills to keep pace with rapid developments.

Recommendation to hold workshops on the following topics:

•Treasures of the Egyptian Knowledge Bank and how to exploit the Scival search engine and other search engines and various databases to access important research topics to include them in the research plan of the departments and urge faculty



members to address them in their research, which will positively reflect on them to raise the citation rate ((Citation and on the university to raise the University ranking.

- Familiarity with emerging tools in conducting scientific research while adhering to the ethics of scientific research.

- Integration between different specializations, whether within the field of pharmaceutical sciences or even with other sciences to raise the level of research.

- Spreading awareness of the importance and effectiveness of emerging search engines within the framework of ranking the competencies of research institutions globally.

-2The four winners of the Best Poster Award were honored by giving them certificates of appreciation and shields, namely:

Dr. Lamia Abu Al-Ezz

Dr. Iman Hamd

Dr. Menatallah Shaheen

Dr. Ahmed Mowafy



1- The lecturers in the workshops were honored by granting them certificates of appreciation.





-1The participants were also honored with a poster.





Finally, the conference organizers were honored.





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