

**The 15<sup>th</sup> Scientific Congress of the Association of Pharmacy Colleges in the Arab World  
&  
The 3<sup>rd</sup> International Conference of The Faculty of Pharmacy / The University of Jordan**

**“Recent Trends and Advances in Pharmacy”**

**Amman – Jordan (October 9<sup>th</sup>-11<sup>th</sup>, 2012)**

**Scientific Program**

**First Day (Tuesday - Oct 9<sup>th</sup>, 2012)**

**08:00-09:00 Registration**

**09:00-09:45 Opening Ceremony  
Bahjat Altalhouni auditorium / Medical Complex**

**09:45-11:00 Opening of the Exhibition and Coffee Break**

**Session 1: 11:00-13:00 Bahjat Altalhouni auditorium / Medical Complex  
Moderators: Prof. Fatma Afifi & Prof. Ahmad Junaidi**

Day 1/PL-1 11:00-11:45 Polyphosphate and bacterial survival.

*Presenter: Prof. Emer. Michael Brown - University of London, United Kingdom*

Day 1/PL-2 11:45-12:30 Pharmacognosy in the 21st century – an identity crisis?

*Presenter: Prof. Emer. Peter Houghton – King’s College London, United Kingdom*

Day 1/PL-3 12:30-13:15 Oral drug delivery: Solubility & dissolution rate, oral absorption, and approaches to overcome the limitations to enable a successful drug product.

*Presenter: Dr. Munir Hussain - Bristol-Meyers Squibb Co., United States*

**13:15-14:30 Lunch Break**

**NOTE: Session 2-A and Session 2-B run in parallel**

**Session 2-A: 14:30-15:45 Bahjat Altalhouni auditorium / Medical Complex  
Moderators: Dr. Mutasim Al-Ghazawi & Mr. Mazen Tantash**

Day 1/SL-1 14:30-14:45 The protective effect of histamine during the acute phase of hepatic ischemia / reperfusion injury.

*Presenter: Prof. Alaa Eldin Elsisy - Tanta University, Egypt*

Day 1/SL-2 14:45-15:00 The effect of  $\beta_3$ -adrenoceptor agonist (BRL37344) on carbachol and EFS-evoked contractions of isolated ovine detrusor muscle strip.

*Presenter: Dr. Majid Lafi - University of Al-Anbar, Iraq*

Day 1/SL-3 15:00-15:15 Effect of sildenafil citrate on behavior and excitatory and inhibitory amino acids levels in Albino rat’s brain.

*Presenter: Prof. Suhera Aburawi - Tripoli University, Libya*

Day 1/SL-4 15:15-15:30 Renoprotective effect of aliskiren-pentoxifylline combination vs other renin-angiotensin system inhibitors in hypertensive-diabetic type 2 patients with diabetic nephropathy.

*Presenter: Dr. Amin Hamed - Al-Azhar University, Palestine*

Day 1/SL-5 15:30-15:45 Pharmacological modulation of AMP-activated protein kinase as a novel strategy for the treatment of inflammatory bowel diseases.

*Presenter: Dr. Oriana Awwad - The University of Jordan, Jordan*

**Session 2-B: 14:30-15:45 Room 102/ Medical Complex  
Moderators: Prof. Enam Khalil & Dr. Maher Al-Kurdi**

Day 1/SL-6 14:30-14:45 Novel biodegradable elastomers for preserving therapeutic IL-2 stability and bioactivity.

*Presenter: Dr. Husam Younes - Qatar University, Qatar*

Day 1/SL-7 14:45-15:00 Recent advances in pharmaceutical coating: Solventless coating techniques: Dry powder, electrostatic powder and photocurable coating: processes and their application.

*Presenter: Dr. Derar Omari - Jordan*

Day 1/SL-8 15:00-15:15 Evaluation of the suspending properties of *Abelmoschus esculentus* (okra) and sodium sesquicarbonate (trona) on metronidazole suspensions.

*Presenter: Dr. Olusola Aremu - University of Ilorin, Nigeria*

Day 1/SL-9 15:15-15:30 Preparation and characterization of biodegradable paclitaxel loaded chitosan microparticles.

*Presenter: Dr. Ramadan Al-Shdefat - Salman Bin Abdulaziz University, Saudi Arabia*

Day 1/SL-10 15:30-15:45 Nanomedicine for cancer therapy.

*Presenter: Dr. Samer Abulatefeh – The University of Jordan, Jordan*

**15:45-16:15 Coffee Break**

<b>Session 3:</b>	<b>16:15-17:30</b>	<b>Bahjat Altalhouni auditorium / Medical Complex</b> <b>Moderators: Dr. Rana Abu-Dahab &amp; Dr. Ikhlas Hadidi</b>
Day 1/SL-11	16:15-16:30	Treatment related problems for outpatients with chronic diseases in Jordan. <i>Presenter: Dr. Iman Bashedi - Applied Science University, Jordan</i>
Day 1/SL-12	16:30-16:45	Impact of academic stress on the immune response. <i>Presenter: Dr. Areej Assaf - The University of Jordan, Jordan</i>
Day 1/SL-13	16:45-17:00	Hepatic histological alterations induced by sildenafil overdoses. <i>Presenter: Prof. Bashir Jarrar - AL-Jouf University, Saudi Arabia</i>
Day 1/SL-14	17:00-17:15	Predicted and measured amikacin levels in critically ill Kuwaiti patients. <i>Presenter: Dr. Kamal Matar - Kuwait University, Kuwait</i>
Day 1/SL-15	17:15-17:30	The diabetic obese chronic obstructive pulmonary disease patient in pulmonary rehabilitation programme: New challenges and opportunities for pharmacists. <i>Presenter: Dr. Mohammed Shamssain - Ajman University, United Arab Emirates</i>

**17:30-19:30** **Poster Session I (Posters 1-20 )**

## Second Day (Wednesday - Oct 10<sup>th</sup>, 2012)

<b>Session 4:</b>	<b>09:30-11:00</b>	<b>Bahjat Altalhouni auditorium / Medical Complex</b> <b>Moderators: Prof. Sulaiman Olimat &amp; Dr. Taher Shakhshir</b>
Day 2/PL-1	09:30-10:15	Molecular targets of natural drug substances: Idiosyncrasies and preferences. <i>Presenter: Prof. Peter Imming - Martin-Luther-University Halle-Wittenberg, Germany</i>
Day 2/PL-2	10:15-11:00	The design, synthesis, characterization and biological screening evaluation of 1-adamantyl chalcones as potential breast cancer agents. <i>Presenter: Prof. Tawfeeq Kaimari - Al-Khalil University, Palestine</i>

**11:00-11:15** **Coffee Break**

<b>Session 5:</b>	<b>11:15-13:00</b>	<b>Bahjat Altalhouni auditorium / Medical Complex</b> <b>Moderators: Prof. Rula Darwish &amp; Dr. Amjad Aryan</b>
Day 2/PL-3	11:15-12:00	Resistance and tolerance to biocides: Can we learn our lessons from antibiotics resistance? <i>Presenter: Dr. Phillip Collier - University of Abertay Dundee, United Kingdom</i>
Day 2/SL-1	12:00-12:15	Phenytoin: Is it genotoxic in isolated cultured human lymphocytes without metabolic activation? <i>Presenter: Prof. Mohamed Abdel-Aziz - Salman Bin Abdulaziz University, Saudi Arabia</i>
Day 2/SL-2	12:15-12:30	Saliva versus plasma pharmacokinetics, theory and application of a salivary excretion classification system. <i>Presenter: Prof. Nasir Idkaidek - Petra University, Jordan</i>
Day 2/SL-3	12:30-12:45	Pushing pharmacy towards public health and evidence-based practice: The impact of clinical knowledge. <i>Presenter: Dr. Abdulmula Abdulkarem - Ajman University, United Arab Emirates</i>
Day 2/SL-4	12:45-13:00	Formulation and process for the preparation of modafinil. <i>Presenter: Prof. AlSayed Sallam - STD, Jordan</i>

**13:00-14:30** **Lunch Break**

**14:30-17:30** **Workshop I: Clinical Skills Workshop**  
**Pharma International Auditorium / Faculty of Pharmacy**  
**Moderators: Prof. Salah Dein Aburuz, Dr. Nailya Bulatova, Dr. Al-Motassem Fahmi, Dr. Mayyada Al-Wazaify**

**13:00-16:00** **Visits are arranged for interested conference participants to the following Jordanian pharmaceutical firms:**

- Hikma Pharmaceuticals
- Midpharma
- Hayat Pharmaceutical Industries
- Al-Taqaddom Pharmaceutical Industries

**17:30-19:30** **Poster Session II (Posters 21-40 )**

**17:30-19:30** **Meeting of the deans of the "Association of the Faculties of Pharmacy in the Arab World"**

**20:30** **Gala Dinner**

### Third Day (Thursday - Oct 11<sup>th</sup>, 2012)

<b>Session 6:</b>	<b>09:30-11:00</b>	<b>Bahjat Altalhouni auditorium / Medical Complex</b> <b>Moderators: Prof. Abla Bsoul &amp; Dr. Mahmoud Omari</b>
Day 3/PL-1	09:30-10:15	Postgraduate pharmacy training: A focus on residencies and fellowships. <i>Presenter: Prof. Michael Jann - Mercer University, United States</i>
Day 3/PL-2	10:15-11:00	Selected flavonoid-rich plants from Jordan with pancreatic and extrapancreatic propensities. <i>Presenter: Prof. Fatma Afifi - The University of Jordan, Jordan</i>
	<b>11:00-11:30</b>	<b>Coffee Break</b>

<b>Session 7-A:</b>	<b>11:30-13:00</b>	<b>Bahjat Altalhouni auditorium / Medical Complex</b> <b>Moderators: Dr. Mohammad Hudaib &amp; Dr. Laila Jarrar</b>
Day 3/PL-3	11:30-12:15	The recent developments of pharmaceutical research in the Arab World. <i>Presenter: Dr. Adel AbuShofa - Libyan Society for Pharmaceutical Sciences, Libya</i>
Day 3/SL-1	12:15-12:30	Influence of seasons on the composition of brown and red algae growing on the Lebanese coast and the pharmaceutical, medical and agro-food applications of their isolated polysaccharides. <i>Presenter: Prof. Hussein Kanaan - Lebanese University, Lebanon</i>
Day 3/SL-2	12:30-12:45	Naproxen cromolyn as new glycogen synthase kinase 3 $\beta$ inhibitors: By molecular modeling techniques and subsequent <i>in vitro/ in vivo</i> biochemical evaluation to be used in the treatment of diabetes and obesity. <i>Presenter: Prof. Tarek Motawi - University of Cairo, Egypt</i>
Day 3/SL-3	12:45-13:00	High performance liquid chromatography in determination of diclofenac sodium in plasma of the rat. <i>Presenter: Prof. Basil Mohammed - University of Mosul, Iraq</i>

<b>Session 7-B:</b>	<b>11:30-13:15</b>	<b>Room 102/ Medical Complex</b> <b>Moderators: Prof. Khaled Al-Fawares &amp; Prof. Imad Hamdan</b>
This session is part of the <b>“Fourth Conference for                  Graduate Studies Research”</b> that is held at the University of Jordan on October 9 <sup>th</sup> -10 <sup>th</sup> , 2012	11:30-12:15	Natural alkaline mineral water advantages and benefits. <i>Presenter: Dara Madanat, MSc- Adan Water, Amman, Jordan</i>
	12:15-12:30	Evaluation of intermittent fasting effect on oxidative stress using isoprostane biomarker in the urine of human volunteers. <i>Presenter: Rand Nidal, MSc - The University of Jordan, Jordan</i>
	12:30-12:45	Screening and valuation of available hypoglycemic agents for their potential protective and treating effects of diabetic retinopathy. <i>Presenter: Nida Zalome, MSc - The University of Jordan, Jordan</i>
	12:45-13:00	Aspirin resistance among Jordanian population. <i>Presenter: Eman Elayeh, MSc - The University of Jordan, Jordan</i>
	13:00-13:15	The potential protective effect of ginger ( <i>Zingiber officinale</i> ) crude extract for diabetes in rats. <i>Presenter: Ms. Ihsan Al-Omari - The University of Jordan, Jordan</i>

#### 13:15-14:30 Lunch Break

<b>Session 8-A:</b>	<b>14:30-16:00</b>	<b>Bahjat Altalhouni auditorium / Medical Complex</b> <b>Moderators: Prof. Yousef Al-Hiary &amp; Dr. Eid Abu Dalbough</b>
Day 3/SL-4	14:30-14:45	Pancreatic lipase inhibition activity of trilactone terpenes of <i>Ginkgo biloba</i> . <i>Presenter: Dr. Ihab Almasri - Al-Azhar University, Palestine</i>
Day 3/SL-5	14:45-15:00	Traditional uses and scientific evidence for a selected native medicinal plant from Jordan: a critical evaluation of <i>Sarcopoterium spinosum</i> . <i>Presenter: Dr. Violet Kasabri - The University of Jordan, Jordan</i>
Day 3/SL-6	15:00-15:15	Synthesis and biological activities of new 9-cyclopropyl-4-fluoro-3-(4-substituted phenyl)-6-oxo-6,9-dihydro-3H-[1,2,3]triazolo[4,5-h]quinoline-7-carboxylic acid derivatives. <i>Presenter: Dr. Ashok Shakya - Al-Ahliyya Amman University, Jordan</i>
Day 3/SL-7	15:15-15:30	<i>In vivo</i> analgesic and anti-inflammatory activities of two Libyan medicinal plants- <i>Helianthemum lippii</i> and <i>Launaea residifolia</i> . <i>Presenter: Mr. Sami Alsabri - National Center for Medical Research, Libya</i>
Day 3/SL-8	15:30-15:45	Design, synthesis and biological evaluation of achiral thiolactomycin analogues as potentials anti-tubercular agents <i>Presenter: Mr. Salah Mohamed - National Center for Medical Research, Libya</i>
Day 3/SL-9	15:45-16:00	Synthesis and biological screening of some new sulfanilamides Schiff's base. <i>Presenter: Mr. Sofian Mohamed - National Center for Medical Research, Libya</i>

<b>Session 8-B:</b>	<b>14:30-15:45</b>	<b>Room 102/ Medical Complex</b>
		<b>Moderators: Dr. Mayyada Shehadeh &amp; Dr. Mukhtar Shehabuddin</b>
Day 3/SL-10	14:30-14:45	Biomedical applications of gold nanotechnology. <i>Presenter: Dr. Alaaldin Alkilany - The University of Jordan, Jordan</i>
Day 3/SL-11	14:45-15:00	Screening for bromocriptine effect on spontaneous motor activity using albino mice. <i>Presenter: Dr. Madiha Al-Gdamsi - Tripoli University, Libya</i>
Day 3/SL-12	15:00-15:15	Minimizing the influence of pH variations on loratadine release using liquisolid compacts technique. <i>Presenter: Dr. Mazen El-Hammadi - International University for Science and Technology, Syria</i>
Day 3/SL-13	15:15-15:30	Molecular detection of MecA and FemA genes in methicillin resistance <i>Staphylococcus aureus</i> isolated from patients with skin infections. <i>Presenter: Dr. Mushtak Al-Ouqailli - University of Al-Anbar, Iraq</i>
Day 3/SL-14	15:30-15:45	A bacteriological compare between a normal and an inflamed appendix. <i>Presenter: Dr. Yasser Al-Janabi - University of Al-Anbar, Iraq</i>
	<b>16:00-16:15</b>	<b>Coffee Break</b>
<b>Session 9:</b>	<b>16:15-17:30</b>	<b>Bahjat Altalhouni auditorium / Medical Complex</b>
		<b>Moderators: Prof. AlSayed Sallam &amp; Dr. Maysa Suyagh</b>
Day 3/SL-15	16:15-16:30	Drug prescribing trends in Libya (1991-2012): A vision for the future. <i>Presenter: Dr. Salma Bukhatwa - Benghazi University, Libya</i>
Day 3/SL-16	16:30-16:45	Treatment related problems associated with metabolic complications of chronic kidney disease in Jordanian hemodialysis patients. <i>Presenter: Dr. Nailya Bulatova - The University of Jordan, Jordan</i>
Day 3/SL-17	16:45-17:00	Methylene tetrahydrofolate reductase genotype correlation with the toxicity and response to methotrexate in rheumatoid arthritis patients at Jordan University Hospital. <i>Presenter: Ms. Mais Urabi Saleh - University of Jordan, Jordan</i>
Day 3/SL-18	17:00-17:15	Pharmaceutical care system using artificial neural network. <i>Presenter: Mr. Hamzah Mohammad - The University of Jordan, Jordan</i>
Day 3/SL-19	17:15-17:30	Feasibility of a pharmacist-led diabetes disease management and education program for the Arabic-speaking patients in Australia. <i>Presenter: Mr. Sami Saqf el Hait - University of Sydney, Australia</i>
<b>Session 12:</b>	<b>17:30-18:00</b>	<b>Closing Ceremony</b>
		<b>Bahjat Altalhouni auditorium / Medical Complex</b>
		<b>Moderators: Prof. Talal Aburjai &amp; Dr. Mohammad Ababneh</b>

# The 15<sup>th</sup> Scientific Congress of the Association of Pharmacy Colleges in the Arab World

## List of Posters

- P-01** Cytotoxicity study of some plants collected from eastern Libya.  
*Mr. Abdulmottalebi Zetrini - National Center for Medical Research, Libya*
- P-02** Anti-inflammatory, antinociceptive and antipyretic activities of clove oil in mice.  
*Ms. Awatef Samud - Tripoli University, Libya*
- P-03** Coexistence of autoimmune disease with type I Diabetes mellitus in Libyan patients.  
*Ms. Ebtessam Abosmaha - National Center for Medical Research, Libya*
- P-04** Studying the effect of specific wave length light-activation of photosensitizer-pluronic® gel based topical formula against *Staphylococcus aureus* culture.  
*Ms. Eman Aqil - The University of Jordan, Jordan*
- P-05** Ultrasensitive wash-less assay for prostate specific antigen cancer.  
*Dr. Ghadeer Suaijan - The University of Jordan, Jordan*
- P-06** Novel prehospital care system.  
*Mr. Hamzah Mohammad - The University of Jordan, Jordan*
- P-07** Electronic medication sheet.  
*Mr. Hamzah Mohammad - The University of Jordan, Jordan*
- P-08** Web-based public health education and pharmaceutical care delivery platform.  
*Mr. Hamzah Mohammad - The University of Jordan, Jordan*
- P-09** Studies on the stability of chloramphenicol ophthalmic solution.  
*Dr. Idris El-Mahdi - Benghazi University, Libya*
- P-10** Effect of the novel inhaler-based reminder labels on inhaler technique education and asthma clinical outcomes.  
*Dr. Iman Basheti - Applied Science University, Jordan*
- P-11** Undergraduate clinical course incorporating medication management reviews.  
*Dr. Iman Basheti - Applied Science University, Jordan*
- P-12** Inhaler technique training and health care professionals: Effective long term resolution for a current dilemma.  
*Dr. Iman Basheti - Applied Science University, Jordan*
- P-13** Patient perspective of the role of the Pharmacist and willingness to pay for Medication Review services in the Middle East.  
*Dr. Iman Basheti - Applied Science University, Jordan*
- P-14** Evaluation of an unexplored poppy from the flora of Jordan: *Papaver polytrichum* Boiss. et Kotschy – Papaveraceae.  
*Dr. Jamila Dibas - The University of Jordan, Jordan*
- P-15** Anti-inflammatory evaluations of some Libyan traditional plant.  
*Mr. Khaled Aburas - National Center for Medical Research, Libya*
- P-16** Beet as promising natural source of food and cosmetic coloring agents.  
*Ms. Marwa Dlim - National Center for Medical Research, Libya*
- P-17** Antibiotics use and misuse among adults in the community of Jordan. A pilot study.  
*Dr. Mayyada Shehadeh - The University of Jordan, Jordan*
- P-18** Antifungal activity of an herbal formulation for treating ovine dermatophytosis due to *Trichophyton mentagrophytes*.  
*Dr. Michele Leonardi - University of Pisa, Italy*
- P-19** Phytochemical studies and evaluation of Anti-Parkinson's disease of *Hyoscyamus muticus*.  
*Dr. Mohamed Elnaas - Misurata University, Libya*
- P-20** Prevalence and antimicrobial susceptibility profile of *Helicobacter pylori* clinical isolates of patients with chronic gastritis and peptic ulcer in Jordan.  
*Mr. Mohammad Abu-Sini - The University of Jordan, Jordan*
- P-21** Early detection of Chronic Obstructive Pulmonary Disease : The way forward for clinical pharmacists.  
*Dr. Mohammed Shamsain - Ajman University, UAE*
- P-22** Extract and naphthoquinone derivatives from *in vitro* culture of an ascomycetous marine fungus with antibacterial activity.  
*Dr. Muftah Shushni - Benghazi University, Libya*
- P-23** Identification of ferulenol and 4-hydroxycoumarin in *Ferula communis* samples collected in Jordan using different methods.  
*Dr. Mustafa Shdeifat - Royal Botanical Garden, Jordan*
- P-24** Mucoadhesive Dental Paste: An attempt to treat periodontal Inflammation.  
*Ms. Nadeem Hasan - Luqman College of Pharmacy Gulbarga, India*
- P-25** Evaluation of lipoprotein (a) levels in type 2 diabetic Jordanian patients.  
*Ms. Noor Barham - The University of Jordan, Jordan*
- P-26** Synthesis and EPR measurement of perchlorotriphenylmethyl radicals and their conjugates with biopolymers.  
*Prof. Peter Imming - Martin-Luther-University Halle-Wittenberg, Germany*
- P-27** Trends of cardiovascular drug utilization and expenditures in Qatar (2007-2011).  
*Ms. Rajaa Al-Qudah - Qatar University, Qatar*
- P-28** Role of clinical pharmacist in initiation and dose titration of oral hypoglycemic agents in patients with type 2 diabetes.  
*Ms. Ruba Wishah - The University of Jordan, Jordan*
- P-29** Medical and non-medical students knowledge, attitude and behavior related to antibiotic use and resistance in Jordan.  
*Prof. Rula Darwish - The University of Jordan, Jordan*
- P-30** Antioxidant activity of eight Libyan medicinal plants extracted using the microwave technique.  
*Mr. Sami Alsabri - National Center for Medical Research, Libya*
- P-31** Evaluation of adiponectin serum level in Jordanian type 2 diabetic patients.  
*Ms. Shereen Al-Eide - The University of Jordan, Jordan*
- P-32** Benzylpenicillin / procaine - benzylpenicillin induced serious adverse drug reactions in 54-years-old female patient.  
*Dr. Vesna Radović - STADA Hemofarm A.D., Serbia*
- P-33** Clindamycin induced serious adverse drug reactions in 29-years-old male patients.  
*Dr. Vesna Radović - STADA Hemofarm A.D., Serbia*
- P-34** Leishmania mexicana promastigotes inhibit macrophage IL-12 production via TLR-4 dependent COX-2, iNOS and arginase-1 expression.  
*Dr. Muhammad Shweash - AL-Anbar University, Iraq*
- P-35** Peptidyl-oligonucleotide chemical ribonucleases: Structural aspects by high-field NMR spectroscopy and molecular dynamics.  
*Dr. Waleed Zalloum, Al-Zaytoonah University of Jordan, Jordan*
- P-36** Pharmacokinetics of spironolactone in children.  
*Dr. Abdel Qader Al-Bawab - Al-Zaytoonah University of Jordan, Jordan*