**The 15th Scientific Congress of the Association of Pharmacy Colleges in the Arab World**

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**The 3rd International Conference of The Faculty of Pharmacy / The University of Jordan**

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

**Amman – Jordan (October 9th-11th, 2012)**

**Scientific Program**

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| **First Day (Tuesday - Oct 9th, 2012)** | | |
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|  | **08:00-09:00** | **Registration** |
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|  | **09:00-09:45** | **Opening Ceremony**  **Bahjat Altalhouni auditorium / Medical Complex** |
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|  | **09:45-11:00** | **Opening of the Exhibition and Coffee Break** |
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| **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* |
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|  | **13:15-14:30** | **Lunch Break** |
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| **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 Elsisi - Tanta University, Egypt* |
| Day 1/SL-2 | 14:45-15:00 | The effect of β3-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* |
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| **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 Abulateefeh – The University of Jordan, Jordan* |
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|  | **15:45-16:15** | **Coffee Break** |
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| **Session 3:** | **16:15-17:30** | **Bahjat Altalhouni auditorium / Medical Complex**  **Moderators: Dr. Rana Abu-Dahab & Dr. Ikhlas Hadidi** |
| Day 1/SL-11 | 16:15-16:30 | Treatment related problems for outpatients with chronic diseases in Jordan. |
|  | *Presenter:* | *Dr. Iman Basheti - Applied Science University, Jordan* |
| Day 1/SL-12 | 16:30-16:45 | Impact of academic stress on the immune response. |
|  | *Presenter:* | *Dr. Areej Assaf - The University of Jordan, Jordan* |
| Day 1/SL-13 | 16:45-17:00 | Hepatic histological alterations induced by sildenafil overdoses. |
|  | *Presenter:* | *Prof. Bashir Jarrar - AL-Jouf University, Saudi Arabia* |
| Day 1/SL-14 | 17:00-17:15 | Predicted and measured amikacin levels in critically ill Kuwaiti patients. |
|  | *Presenter:* | *Dr. Kamal Matar - Kuwait University, Kuwait* |
| 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. |
|  | *Presenter:* | *Dr. Mohammed Shamssain - Ajman University, United Arab Emirates* |
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|  | **17:30-19:30** | **Poster Session I (Posters 1-20 )** |
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| **Second Day (Wednesday - Oct 10th, 2012)** | | |
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| **Session 4:** | **09:30-11:00** | **Bahjat Altalhouni auditorium / Medical Complex**  **Moderators: Prof. Sulaiman Olimat & Dr. Taher Shakhshir** |
| Day 2/PL-1 | 09:30-10:15 | Molecular targets of natural drug substances: Idiosyncrasies and preferences. |
|  | *Presenter:* | *Prof. Peter Imming - Martin-Luther-University Halle-Wittenberg, Germany* |
| 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. |
|  | *Presenter:* | *Prof. Tawfeeq Kaimari - Al-Khalil University, Palestine* |
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|  | **11:00-11:15** | **Coffee Break** |
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| **Session 5:** | **11:15-13:00** | **Bahjat Altalhouni auditorium / Medical Complex**  **Moderators: Prof. Rula Darwish & Dr. Amjad Aryan** |
| Day 2/PL-3 | 11:15-12:00 | Resistance and tolerance to biocides: Can we learn our lessons from antibiotics resistance? |
|  | *Presenter:* | *Dr. Phillip Collier - University of Abertay Dundee, United Kingdom* |
| Day 2/SL-1 | 12:00-12:15 | Phenytoin: Is it genotoxic in isolated cultured human lymphocytes without metabolic activation? |
|  | *Presenter:* | *Prof. Mohamed Abdel-Aziz - Salman Bin Abdulaziz University, Saudi Arabia* |
| Day 2/SL-2 | 12:15-12:30 | Saliva versus plasma pharmacokinetics, theory and application of a salivary excretion classification system. |
|  | *Presenter:* | *Prof. Nasir Idkaidek - Petra University, Jordan* |
| Day 2/SL-3 | 12:30-12:45 | Pushing pharmacy towards public health and evidence-based practice: The impact of clinical knowledge. |
|  | *Presenter:* | *Dr. Abduelmula Abduelkarem - Ajman University, United Arab Emirates* |
| Day 2/SL-4 | 12:45-13:00 | Formulation and process for the preparation of modafinil. |
|  | *Presenter:* | *Prof. AlSayed Sallam - STD, Jordan* |
|  | **13:00-14:30** | **Lunch Break** |
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|  | **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** |
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|  | **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** |
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|  | **17:30-19:30** | **Poster Session II (Posters 21-40 )** |
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|  | **17:30-19:30** | **Meeting of the deans of the “Association of the Faculties of Pharmacy in the Arab World”** |
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|  | **20:30** | **Gala Dinner** |
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| **Third Day (Thursday - Oct 11th, 2012)** | | |
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| **Session 6:** | **09:30-11:00** | **Bahjat Altalhouni auditorium / Medical Complex**  **Moderators: Prof. Abla Bsoul & Dr. Mahmoud Omari** |
| Day 3/PL-1 | 09:30-10:15 | Postgraduate pharmacy training: A focus on residencies and fellowships. |
|  | *Presenter:* | *Prof. Michael Jann - Mercer University, United States* |
| Day 3/PL-2 | 10:15-11:00 | Selected flavonoid-rich plants from Jordan with pancreatic and extrapancreatic propensities. |
|  | *Presenter:* | *Prof. Fatma Afifi - The University of Jordan, Jordan* |
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|  | **11:00-11:30** | **Coffee Break** |
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| **Session 7-A:** | **11:30-13:00** | **Bahjat Altalhouni auditorium / Medical Complex**  **Moderators: Dr. Mohammad Hudaib & Dr. Laila Jarrar** |
| Day 3/PL-3 | 11:30-12:15 | The recent developments of pharmaceutical research in the Arab World. |
|  | *Presenter:* | *Dr. Adel AbuShofa - Libyan Society for Pharmaceutical Sciences, Libya* |
| 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. |
|  | *Presenter:* | *Prof. Hussein Kanaan - Lebanese University, Lebanon* |
| Day 3/SL-2 | 12:30-12:45 | Naproxen cromolyn as new glycogen synthase kinase 3β inhibitors: By molecular modeling techniques and subsequent *in vitro/ in vivo* biochemical evaluation to be used in the treatment of diabetes and obesity. |
|  | *Presenter:* | *Prof. Tarek Motawi - University of Cairo, Egypt* |
| Day 3/SL-3 | 12:45-13:00 | High performance liquid chromatography in determination of diclofenac sodium in plasma of the rat. |
|  | *Presenter:* | *Prof. Basil Mohammed - University of Mosul, Iraq* |
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| **Session 7-B:** | **11:30-13:15** | **Room 102/ Medical Complex**  **Moderators: Prof. Khaled Al-Fawares & Prof. Imad Hamdan** |
| **This session is part of the**  **“Fourth Conference for Graduate Studies Research”**  **that is held at the University of Jordan on October 9th-10th, 2012** | 11:30-12:15 | Natural alkaline mineral water advantages and benefits. |
| *Presenter:* | *Dara Madanat, MSc- Adan Water, Amman, Jordan* |
| 12:15-12:30 | Evaluation of intermittent fasting effect on oxidative stress using isoprostane biomarker in the urine of human volunteers. |
| *Presenter:* | *Rand Nidal, MSc - The University of Jordan, Jordan* |
| 12:30-12:45 | Screening and valuation of available hypoglycemic agents for their potential protective and treating effects of diabetic retinopathy. |
| *Presenter:* | *Nida Zalome, MSc - The University of Jordan, Jordan* |
| 12:45-13:00 | Aspirin resistance among Jordanian population. |
| *Presenter:* | *Eman Elayeh, MSc - The University of Jordan, Jordan* |
| 13:00-13:15 | The potential protective effect of ginger (*Zingiber officinale*) crude extract for diabetes in rats. |
| *Presenter:* | *Ms. Ihsan Al-Omari - The University of Jordan, Jordan* |
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|  | **13:15-14:30** | **Lunch Break** |
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| **Session 8-A:** | **14:30-16:00** | **Bahjat Altalhouni auditorium / Medical Complex**  **Moderators: Prof. Yousef Al-Hiary & Dr. Eid Abu Dalbouh** |
| Day 3/SL-4 | 14:30-14:45 | Pancreatic lipase inhibition activity of trilactone terpenes of *Ginkgo biloba*. |
|  | *Presenter:* | *Dr. Ihab Almasri - Al-Azhar University, Palestine* |
| 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 *Sarcopoterium spinosum.* |
|  | *Presenter:* | *Dr. Violet Kasabri - The University of Jordan, Jordan* |
| 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. |
|  | *Presenter:* | *Dr. Ashok Shakya - Al-Ahliyya Amman University, Jordan* |
| Day 3/SL-7 | 15:15-15:30 | *In vivo* analgesic and anti-inflammatory activities of two Libyan medicinal plants- *Helianthemum lippii* and *Launaea residifolia.* |
|  | *Presenter:* | *Mr. Sami Alsabri - National Center for Medical Research, Libya* |
| Day 3/SL-8 | 15:30-15:45 | Design, synthesis and biological evaluation of achiral thiolactomycin analogues as potentials anti-tubercular agents |
|  | *Presenter:* | *Mr. Salah Mohamed - National Center for Medical Research, Libya* |
| Day 3/SL-9 | 15:45-16:00 | Synthesis and biological screening of some new sulfanilamides Schiffs base. |
|  | *Presenter:* | *Mr. Sofian Mohamed - National Center for Medical Research, Libya* |
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| **Session 8-B:** | **14:30-15:45** | **Room 102/ Medical Complex**  **Moderators: Dr. Mayyada Shehadeh & Dr. Mukhtar Shehabuddin** |
| Day 3/SL-10 | 14:30-14:45 | Biomedical applications of gold nanotechnology. |
|  | *Presenter:* | *Dr. Alaaldin Alkilany - The University of Jordan, Jordan* |
| Day 3/SL-11 | 14:45-15:00 | Screening for bromociptine effect on spontaneous motor activity using albino mice. |
|  | *Presenter:* | *Dr. Madiha Al-Gdamsi - Tripoli University, Libya* |
| Day 3/SL-12 | 15:00-15:15 | Minimizing the influence of pH variations on loratadine release using liquisolid compacts technique. |
|  | *Presenter:* | *Dr. Mazen El-Hammadi - International University for Science and Technology, Syria* |
| Day 3/SL-13 | 15:15-15:30 | Molecular detection of MecA and FemA genes in methicillin resistance *Staphylococcus aureus* isolated from patients with skin infections. |
|  | *Presenter:* | *Dr. Mushtak Al-Ouqaili - University of Al-Anbar, Iraq* |
| Day 3/SL-14 | 15:30-15:45 | A bacteriological compare between a normal and an inflamed appendix. |
|  | *Presenter:* | *Dr. Yasser Al-Janabi - University of Al-Anbar, Iraq* |
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|  | **16:00-16:15** | **Coffee Break** |
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| **Session 9:** | **16:15-17:30** | **Bahjat Altalhouni auditorium / Medical Complex**  **Moderators: Prof. AlSayed Sallam & Dr. Maysa Suyagh** |
| Day 3/SL-15 | 16:15-16:30 | Drug prescribing trends in Libya (1991-2012): A vision for the future. |
|  | *Presenter:* | *Dr. Salma Bukhatwa - Benghazi University, Libya* |
| Day 3/SL-16 | 16:30-16:45 | Treatment related problems associated with metabolic complications of chronic kidney disease in Jordanian hemodialysis patients. |
|  | *Presenter:* | *Dr. Nailya Bulatova - The University of Jordan, Jordan* |
| 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. |
|  | *Presenter:* | *Ms. Mais Urabi Saleh - University of Jordan, Jordan* |
| Day 3/SL-18 | 17:00-17:15 | Pharmaceutical care system using artificial neural network. |
|  | *Presenter:* | *Mr. Hamzah Mohammad - The University of Jordan, Jordan* |
| 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. |
|  | *Presenter:* | *Mr. Sami Saqf el Hait - University of Sydney, Australia* |
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| **Session 12:** | **17:30-18:00** | **Closing Ceremony**  **Bahjat Altalhouni auditorium / Medical Complex**  **Moderators: Prof. Talal Aburjai & Dr. Mohammad Ababneh** |

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| **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. Ebtesam Abosmaha - National Center for Medical Research, Libya* |
| **P-04** | Studying the effect of specific wave length light-activation of photosensitiser-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 Suaifan - 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 Shamssain - 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 Sental 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. Muhannad 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-Zaytoona University of Jordan, Jordan* |
| **P-36** | Pharmacokinetics of spironolactone in children. |
|  | *Dr. Abdel Qader Al-Bawab - Al-Zaytoona University of Jordan, Jordan* |