

19th LAAS International Science Conference

POSTERS

April 5, 9:00 a.m. – 11:00 a.m.

Lebanese American University, Business Building Lobby

Biology	Keratin degradation by bacteria Olama, Z.; Yusef, H. and Fayad, L.	The Effect of Ethanol on Paracellular Permeability and Claudin Expression in Caco-2 Cells during the Course of Differentiation Elias Assaf , Omar Itani
	Production of pigments by bacteria Shatila, F.; Holeil, H. and Yusef, H	Epidemiological Typing & Characterization of Streptococcus pyogenes in Lebanon Karaky, Nathalie & Tokajian, Sima
	Antioxidant activities of flower extracts and essential oils of Carthamus tinctorius and Borago officinalis Nidhal Salem, Wissal Dhifi, Kamel Msaada, Ferid Limam, Marc El Beyrouthy and Brahim Marzouk	Influence of whey protein isolates hydration state and denaturation on acid gel formation Marie Céleste Karam, Claire Gaiani, Chadi Hosri, Raza Hussain, Jennifer Burgain, Reine Barbar, Joel Scher
	NMDA receptor activation increases PDE4A/B activity due to a PKA-dependent phosphorylation of PDE4A5 and PDE4B1/3 in rat primary cortical cultures; PKG keeps PDE4A5 activity elevated under control conditions Hassan S. Hajjhussein , S. W. Bahouth , George Baillie , Miles Houslay , and James M. O'Donnell	Time and Thyroid hormone Coordination of Cell Differentiation During Chondrogenesis of Forelimbs of Tadpoles of Ranaridibunda Frogs Kourani, Kawthar and Moussad, Essam El Din
	Effect of a Candida albicans cell wall protein mutation on yeast phagocytosis by mammalian macrophages Lakis Emile, Khalaf Roy, El-Sibai Mirvat	Characterization of the ubiquitin ligase activity of human Upf1: the central effector of Nonsense mediated mRNA decay K. Ayoub, M.T. Saliba, M. Al-Sayed, H. Chamieh
	Micropalaeontological investigation of the Mdairej Formation or "Falaise de Blanche" Sibelle Maksoud, Bruno Granier and Dany Azar	Effect of Daucus Carota major compound on malignancy as well as metastasis in a screen of cancer cell lines Najm Paul; Mroueh Mohammad, Daher Costantine and El-Sibai Mirvat
	Cetoniidae (Coleoptera) of Lebanon Younna Salame, Raymond Geze, Dany Azar	Effect of Nigella Sativa Oil Treatment on Aryl Sulfatases A and B in Streptozotocin-induced Diabetic Rats Rima Samarji and Mahmoud Balbaa
	The Regulation of RhoA by StarD13 in Focal Adhesions is Essential for Astrocytoma Cell Motility Khalil Bassem, Bechara A. Saykali, Mirvat El-Sibai	Effect of Daucus Carota fractions on cancer cell malignancy and metastasis Zgheib Perla; Mroueh Mohammad, Daher Costantine and El-Sibai Mirvat
	Over-expression of Connexin 43 induces partial Mesenchymal-Epithelial Transition in breast cancer cells. Elia T. El Habrea, Marwan E. El-Sabbanb and Rabih S. Talhouka	The Antioxidant Effects of Wild Carrot Oil Fractions. Shebaby W, Daher CF, El-Sibai M, Smith KB, Karam MC, Daher JC, Jaha M, Mansour A, Mawla S, Taleb R, Diab-Assaf M., Mroueh M
	Role of the retinoblastoma protein, pRb, in the development of the olfactory system Jaafar Carine, Al Lafi Sawsan, Ghanem Noël	Effect of Anthrax Toxin on Rho GTPases and Cell Motility S. Al-Dimassi, R. Abi Habib, M. El-Sibai

	Nanoparticle Encapsulation of Thymoquinone Enhances its Anticancer Potential Isabelle Fakhoury, Kamal Bou Hadir, Walid Saad, Hala Muhtasib	Community Associated Methicillin-Resistant Staphylococcus aureus Clonal Complex 80 Type IV (CC80-MRSA-IV): The Middle Eastern Clone! Houda H. Harastani and Sima T. Tokajian
	Sea Cucumber Extracts Selectively Inhibit The Proliferation Of Normal Rodent Mammary Cells and Partially Revert The Tumor Phenotype Of Breast Cancer Cells. Kareh Mike, Al-Ghadban Sarah, Nahas Rana, Al-Araj Lamis3, Saliba Najat, El-Sabban Marwan, Talhouk Rabih	Studying the role of Rho GTPases in the radiation resistance of stem-like cancer cells in neuroblastoma El-Hassan Marwa, Thamara Abou-Antoun and Mirvat El-Sibai
	Comparing the Anticancer Properties and Sesquiterpene Lactones Profile in Wild versus Cultivated Achillea falcata Rita Tohme, Lamis El-Aaraj, Hala Muhtasib, Salma N. Talhouk, Nadine Darwiche, and Najat A. Saliba	A Comparative Study of the Antiproliferative Effect of Kohlrabi and Green Cabbage on Colorectal Cancer Cell Lines Valia Zorzour, Omayr Tarras, Sandra Rizk
	Fragile sites and Cancer: Molecular Mapping of aphidicolin-induced hotspots of breakages at the common fragile site FRA11D Khalil, Cynthia, El Achkar, Eliane	Protective effect of saffron extract against oxidative damage induced by doxorubicin compared to electrolysis in isolated rabbit heart N. Chahine, J. Hanna, H. Makhoul, L. Duca, L. Martiny, R. Chahine
	Validity of Serum Surfactant Protein D as a Lung-Specific Biomarker in Monitoring Asthma, Chronic Obstructive Pulmonary Disease and Chronic ... R. Jounblat, M Waked, Z. Akiki, P. Salameh, H. Tayoun, I. Tornøe, G.L. Sørensen, S. Chamat	Design, hemisynthesis and biological evaluation of ferutinin analogs as potent agents for breast cancer therapy Rémi Safia, Evelyne Delfourneb, George Hilal, Youssef Diaba, Mona Diab Assafa, Fadia Najjar
Engineering	Urban Planning and General Directory Plans Case Study: Baalbeck City M. Abboud*; J. Haidar; A.H. Machlab	A Throughput Simulation of Port of Beirut Samar Hallab, Caline El Khoury, Jean-Paul Arnaout
	An Evaluation of Pavement Roughness Effects on Vehicle Acceleration and Fuel Consumption Ahmad Ghaddar, Makram Daou, John El Khoury, Barbar Akle	Detection of Preterm Deliveries using EHG signal. Proposition of a New Parameters Selection Method. Dima Alamedine ^{1, 2} , Mohamad Khalil ² , Catherine Marque
	A Hybrid Image Despeckling Technique Based on Wavelets and Adaptive Kuan Filter Adib Akl, Charles Yaacoub	Study of two steganography methods and their enhancement by using chaotic sequences D. Battikh, S. El Assad, B. Bakhache, O. Deforges, M. Khalil
	Three Dimensional Numerical Modelling Of Piles Group Under Seismic Loading in Frictional Soil : Inclination Effect Fadi Hage Chehade, Marwan Sadek and Douaa Bachir	
Agriculture; Environment; Food	Contribution to the in vitro and in vivo propagation of <i>Origanum syriacum</i> and <i>Origanum ehrenbergii</i> growing wild in Lebanon Gilbert Elian, Marc El Beyrouthy, Chantal Abou Jaoudeh, Lamis Chalak	SOME MEDICINAL & AROMATIC PLANTS FROM LEBANON Rabia Wahid Sfeir

Essential oil composition of <i>Teucrium creticum</i> L. growing wild in Lebanon Arnold Nelly ¹ , Antoine Abou-Kais ² , Fabrice Cazier ³ , Marc Beyrouthy ⁴	Toxicological effects of Red 195 Dye on oxidative enzymes in tilapia <i>Oreochromis niloticus</i> Insaf Ayadi, Luis Felix, Imed Regaya, Marc El Beyrouthy; Francisco Peixoto, Wissem Mnif
Assessing the efficacy of the essential oils of <i>Thymbraspicata</i> , <i>Coridothymus capitatus</i> , <i>Satureja cuneifolia</i> , and <i>Origanum syriacum</i> insecticides and repellants against <i>Bemisia tabaci</i> (Hemiptera: Aleyrodidae) Charbel Fakhr, El Beyrouthy Marc, & Nemer Nabil	Impact of the Addition of Carbon Co-Substrates on the Aerobic Biodegradation of Carbamazepine by the Fungus <i>Trametes versicolor</i> S. Semrany, L. Favier, H. Djelal, S. Taha, A. Amrane
Chemical composition and in vitro anthelmintic effects on <i>Haemonchus contortus</i> of <i>Thymus capitatus</i> from Tunisian south Ramzi Boubaker Elandalousi ^{+,b*} , Hafidh Akkari ^a , Fatma B'chir ^c , Mohamed Gharbi ^a , Moez Mhadhbi ^a , Soufia Awadi ^d , Marc El Beyrouthy ^e and Mohamed Aziz Darghoutha	THE MARBLED SPINEFOOT RABBITFISH <i>Siganus rivulatus</i> : THE PROMISE OF A MARINE ALGAEVORE Imad Patrick Saoud
Antimicrobial activity and chemical composition of the essential oil of <i>Coridothymus capitatus</i> (L.) Reichenb. fil from Lebanon and comparison with its major components Aline Gebrayel, Monay Al Hafi, El Beyrouthy Marc, Arnold-Apostolides, Lara Hanna Wakim, Naim Ouaini	Future of Renewable Energy in Lebanon as We Head towards the Gas and Oil Era Ibrahim Assi and Ali Assi
Seed germination of <i>Spartium junceum</i> growing wild in Lebanon Mira Boustany, Marc El Beyrouthy	Nutritional Composition And Technological Characterisation Of The Lebanese Kishk Dairy Product alameh Ch., Hosri Ch. & Barbar R
Chemical composition of the essential oil of <i>Cupressus sempervirens</i> leaves growing in Tunisia Wissal Dhifi, Nidhal Salem, Ines Chamroukhi, Marc El Beyrouthy and Wissem Mnif	Phthalates Exposure: Impact on Nutrition/Human Health and Environment Georges Rammouz ^a , Carlos Youssef ^b , Mazin Moufarij ^a and Najib Haddad
Study of BTEX Compounds in Surface Water of Nahr Ibrahim River Carlos Youssef, Georges Rammouz, Mazin Moufarij, Georges Gharios, Rami Achkar, Emile Saadeh, Salam Messaikeh, Georges Gharios ¹ and Najib El Haddad	Study of the cultural effect on the relationship between odor and color in Lebanon Barbar, R.a, Zeaiter, R. a, Maric, Y. b, Jacquot, M.b
Estimating turbidity in the coastal area of Tripoli (Lebanon) with neural networks N.Kabbara and M.Awad	Consumers and food safety: Comparison between Lebanon and Australia Lara Hanna Wakim, Marc El Beyrouthy, John Coveney, Loreen Mamerow, Anne Taylor, Paul Ward, Julie Henderson and Samantha Meyer

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April 6, 10:00 a.m. – 12:00 p.m.

CROWNE PLAZA

Health; Medical; Pharmacy	Cigarette and Waterpipe Smoking Patterns Among University Students, a Cross-sectional Lebanese Study, 2010-2012 Mazin A. Moufarij, Georges Saade, Zaher Radwan, Jamil Halabi, Najib El Haddad	Assessing the emotional impact and perception of human body dissection by medical students at the American University of Beirut Abdo Jurjus, Inaya Hajj Hussein, Hisham Daouk, Doreid Oueidat and Rosalyne Jurjus
	The Effect Of Gender And High-Fat Diet On Expression Of Uncoupling Protein 3 In Apolipoprotein E Knockout Mouse Heart Jihad Hawi, Hua Lin, M.-Saadeh Suleiman	Radioprotection of patients treated by radioiodine and public around them Z. Khansa, M. Haidar , Mahmoud I. Abbas
	Differential Changes In Pro And Anti- Apoptotic Protein Expression In Mice Fed High-Fat Diet Jihad Hawi, Hua Lin, Myriam Cherif, Chris L. Jackson, Gianni D. Angelini, M.Saadeh Suleiman	Caloric Restriction Decreases Telomerase Activity and Enhances its Inhibitors Response on Breast Cancer Cells: Possible Modulation of Mitochondrial Metabolism Layal Wardi, George Hilal
	Differential expression of prostaglandin type E receptors (EP1, 2, 3 and 4) mRNAs during the osteogenic process of human adipose-derived stem cells Wassim Shebaby, Eva Hamade, Fadi Saad and Wissam H. Faour	Effect of free radicals generated by argyle smoke compared to cigarette smoke: in vitro and ex vivo study Ranin Zein, Jean Hanna, Sara Fahd, Fadia Najjar and Ramez Chahine
	Genetic and haplotype analysis of CDAN1 gene in a Lebanese family with congenital dyserythropoiesis anemia type I (CDAI) Wissam H. Faour, Wassim Serhal, Riyad Akoum and Hussein Farhat	Novel and Sensitive Spectrophotometric method for the Determination of Tetrahydrocurcumin: A versatile cosmeceutical Riyad Ahmed Al Okab
	Cross-disciplinary Learning of Histology, Histopathology and Clinical Manifestations Through Virtual Microscopy: OUWB School of Medicine Experience Inaya Hajj Hussein, Jennifer Eastwood, Rajwont Malhotra	
Computer Sc; Mathematics	A comparison study between the Theoretical perception of IT ethics and the actual practice in Lebanon Issam Kouatli	Query Reformulation Using Cluster Buckets Fadi Yamout, Issam Moghrabi
	Mining Breast Cancer Genetic Data Rouba Zantout, Nashat Mansour, Mirvat El-Sibai	Convergence analysis of numerical schemes for a degenerate chemotaxis model with general tensors G. Chamouna,b, M. Saada, R. Talhoukb
	An implementation of matrix transposition using SSE instructions Ahmed Sherif Zekri	Stability Analysis of Control Systems: The Extended Routh Array and Further Challenges Ziad Zahreddine

April 6, 2:00 – 4:00 p.m.

CROWNE PLAZA

Chemistry; Physics	Innovative Methodology for Desalination of Water Based on Modified Silica Husein Essa, Ismail I. Abbas and Hassan H. Hammud	Electronic structure and rovibrational studies of diatomic Zinc compounds Abir Youssef and Mahmoud El Korek
	Synthesis and characterization of uracil- and thymine-based hydrazones for diabetic nephropathy Nourhan Chaaban, Rima Hajjar, Ali Koubeissi, Assaad Eid and Kamal Bouhadir	Rovibrational study and dipole moment calculation of the molecule Arsenic Monochloride AsCl T. Harb, M. Korek, K. Mourad, S. N. Abdalal
	Investigating the Role of MicroRNAs in the Expression of Leukemia Inhibitory Factor (LIF) Marwa Sleiman, Hussein Fayad-Kazan, and Bassam Badran	Electronic structure with dipole moment of diatomic helium compounds Sahar Kontar and Mahmoud El Korek
	Investigating the Role of MiR-24, MiR-181/26 and MiR-27/128 in Interferon Gamma (IFN- γ) Expression Maya Fakhry, Eva Hamade and Bassam Badran	Theoretical calculations of Zinc halide diatomic molecules Soumia Elmoussaoui and Mahmoud El Korek
	Pre-concentration of Bismuth using Emulsion Liquid Membrane - Technique (ELM) Nasr-Eddine Belkhouche, Nacera Benyahia	Effect of size and shape of single silver nanoparticles on the optical response S. Marhaba, H. Miari, S. Abboudy
	Copper Adsorption onto NaX Zeolite Zeinab Ezzeddine, Isabelle Batonneau-Gener, Hussein Hamad, Yannick Pouilloux, Zeinab Saad, Veronique Kazpard	Optical properties of core/shell Ag-Au nanoparticle S. Marhaba, I. Haddad, S. Abboudy
		Radiation protection and Quality Assurance Requirements for the Establishment of a New Cyclotron Facility Mohamad H. M. Tamim, Hanna Balaa, Mahmoud I. Abbas
Social Sc.	Virtual Challenges: Online Leadership Success in MENA Caroline Akhras, Chukri Akhras	