

**19th LAAS International Science Conference**  
**LAU-April 5-6, 2013**  
**ACCEPTED ABSTRACTS**

Abstract Title	Area	presentation
Functional epistatic interaction between rs6046G>A in F7 and rs5355C>T in SELE modifies systolic blood pressure levels	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
Antimicrobial Potential of Lebanese Cedar Extract Against Human Pathogens and Food Spoilage Microorganisms	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
Keratin degradation by bacteria	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
Lon protease quality control of presecretory proteins in <i>Escherichia coli</i> and its dependence on the SecB and DnaJ (Hsp40) chaperones	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
The anti-proliferative and pro-apoptotic mechanism of action of kefir and its effect on the motility of breast and colon cancer cell line	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
Production of pigments by bacteria	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
Antioxidant activities of flower extracts and essential oils of <i>Carthamus tinctorius</i> and <i>Borago officinalis</i>	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
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	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
The effect of IL-6 on ox-LDL induced immunomodulation in atherosclerotic patients and healthy subjects	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
The Effect of StarD13 on Colorectal Cancer Proliferation and Invasion	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
Effect of a <i>Candida albicans</i> cell wall protein mutation on yeast phagocytosis by mammalian macrophages	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
Micropalaeontological investigation of the Mdairej Formation or "Falaise de Blanche"	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
Study of two new rays species (Rhinobatidae; Rajiforms) from the Cenomanian limestone of Lebanon	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
Cetoniidae (Coleoptera) of Lebanon	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
The Regulation of RhoA by StarD13 in Focal Adhesions is Essential for Astrocytoma Cell Motility	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
Effect of Connexin 43 Loss on Polarity and Initiation of Tumorigenesis in the Normal Mammary Epithelium	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
Over-expression of Connexin 43 induces partial Mesenchymal-Epithelial Transition in breast cancer cells.	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
Signaling Mechanisms of the Zinc Chelator TPEN in Human Colon Cancer Cells	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral

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Abstract Title	Area	presentation
Control of adult neural stem cells (NSCs) by the retinoblastoma protein, pRb in vitro	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
Role of the retinoblastoma protein, pRb, in the development of the olfactory system	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
Inhibition of Glycosidases in Experimentally Diabetic Rats	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
Optimization of Organic Acid Extraction Protocols for MALDI typing of Staphylococcus aureus	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
Nanoparticle Encapsulation of Thymoquinone Enhances its Anticancer Potential	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
Sea Cucumber Extracts Selectively Inhibit The Proliferation Of Normal Rodent Mammary Cells and Partially Revert The Tumor Phenotype Of Breast Cancer Cells.	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
The effects of the exposition to Captan, a fungicide, on mammalian slow-twitch skeletal muscle	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
Identification and Characterization of Novel Anticancer Sesquiterpene Lactones Isolated from the Indigenous Middle Eastern Plant <i>Achillea falcata</i>	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
Comparing the Anticancer Properties and Sesquiterpene Lactones Profile in Wild versus Cultivated <i>Achillea falcata</i>	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
Inhibition of cell division suppresses heterocyst development in <i>Anabaena</i> sp. strain PCC 7120.	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
Enumeration of Picocyanobacteria in the Sargasso Sea (USA) and a Freshwater Ecosystem (Annaya, Lebanon) Using Quantitative Real-Time PCR Based on hcpGene	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
An Investigation into the effects of Glucosinolates and their degradation products on human colorectal adenocarcinoma cells	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
Fragile sites and Cancer: Molecular Mapping of aphidicolin-induced hotspots of breakages at the common fragile site FRA11D	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
Proteomic Approach for <i>S. aureus</i> Typing	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
The Effect of Ethanol on Paracellular Permeability and Claudin Expression in Caco-2 Cells during the Course of Differentiation	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
The Role of Claudins in the Increase in Paracellular Permeability Induced by TNF $\alpha$ in Caco-2 Cells	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
Gallotannin induces senescence and DNA damage in colon cancer cell lines	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
Molecular Typing of <i>Candida albicans</i> Isolates from Lebanese Hospitals in Correlation to: Phenotypic Identification, Epidemiology, Antifungal Resistance Profile, and Biofilm Formation.	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral

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Abstract Title	Area	presentation
Validity of Serum Surfactant Protein D as a Lung-Specific Biomarker in Monitoring Asthma, Chronic Obstructive Pulmonary Disease and Chronic Bronchitis in Lebanese Patients: Preliminary Results	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
Epidemiological Typing & Characterization of Streptococcus pyogenes in Lebanon	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
Influence of whey protein isolates hydration state and denaturation on acid gel formation	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
Time and Thyroid hormone Coordination of Cell Differentiation During Chondrogenesis of Forelimbs of Tadpoles of Ranaridibunda Frogs	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
Characterization of the ubiquitin ligase activity of human Upf1: the central effector of Nonsense mediated mRNA decay	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
DCQ is a hypoxia-activated drug that induces ROS-mediated apoptosis and reduces breast cancer metastasis in vitro and in vivo	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
Cloning And Purification Assays Of The Human Recombinant Stem Loop Binding Protein (SLBP): An Essential Protein Regulating Histone mRNA expression	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
MOLECULAR MECHANISMS OF HYPERTENSION-INDUCED HYPERTROPHY AND LEPTIN EXPRESSION IN VASCULAR SMOOTH MUSCLE	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
Effect of Daucus Carota major compound on malignancy as well as metastasis in a screen of cancer cell lines	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
Serine protease homologs are central regulators of complement activation in the malaria vector Anopheles gambiae	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
The Effect of Thymoquinone on the Antitumor and Proapoptotic Activity of Topotecan in Human Colorectal Cancer Cell	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
Effect of Nigella Sativa Oil Treatment on Aryl Sulfatases A and B in Streptozotocin-induced Diabetic Rats	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
Glucagon-Like-Peptide Receptor and Insulin Receptor Signaling upon Treatment of Diabetic Rats with Insulin, Exendin-4 or Selenium	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
Effects of Selenium, Exendin-4, and insulin on selenoproteins expression in the liver of diabetic rats	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
Effect of Daucus Carota fractions on cancer cell malignancy and metastasis	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
The Antioxidant Effects of Wild Carrot Oil Fractions.	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER

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Abstract Title	Area	presentation
Caractérisation de biomarqueurs d'exposition au benzo(a)pyrène par spectrométrie de masse quantitative	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
Effect of Anthrax Toxin on Rho GTPases and Cell Motility	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
Sensitivity of Human Acute Myeloid Leukemia Cells to Human Recombinant Arginase I (Co)-PEG5000 [HuArgI (Co)-PEG5000]-Induced Arginine Depletion	Biological, Medical Pharmaceutical, and Health Sciences BIO	oral
Community Associated Methicillin-Resistant Staphylococcus aureus Clonal Complex 80 Type IV (CC80-MRSA-IV): The Middle Eastern Clone!	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
Studying the role of Rho GTPases in the radiation resistance of stem-like cancer cells in neuroblastoma	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
A Comparative Study of the Antiproliferative Effect of Kohlrabi and Green Cabbage on Colorectal Cancer Cell Lines	Biological, Medical Pharmaceutical, and Health Sciences BIO	POSTER
Hyponchondriasis: A Disease of Imagined Disease A Cognitive Conceptualization	Biological, Medical, Pharmaceutical, and health Sciences HEALTH SC	oral
The relation between maternal serum leptin levels and gestational weight gain, hypertensive disorders of pregnancy, gestational diabetes and postpartum weight retention.	Biological, Medical, Pharmaceutical, and health Sciences HEALTH SC	oral
Smoking Patterns among University Students in the Rural Bekaa Province of Lebanon	Biological, Medical, Pharmaceutical, and health Sciences HEALTH SC	oral
Cigarette and Waterpipe Smoking Patterns Among University Students, a Cross-sectional Lebanese Study, 2010-2012	Biological, Medical, Pharmaceutical, and health Sciences HEALTH SC	POSTER
End Stage Renal Disease is Not Associated with a Higher Likelihood of Hypercoagulable Disorders	Biological, Medical, Pharmaceutical, and health Sciences MED	oral
La protéine Core du Virus de l'Hépatite C diminue l'expression de la phosphatase SHIP2, et conduit à la perte de la polarité cellulaire.	Biological, Medical, Pharmaceutical, and health Sciences MED	oral
Mutant Prevention Pharmacodynamic Parameters of Carbapenems against Clinical Isolates of Pseudomonas and Acinetobacter	Biological, Medical, Pharmaceutical, and health Sciences MED	oral
THE EFFECT OF GENDER AND HIGH-FAT DIET ON EXPRESSION OF UNCOUPLING PROTEIN 3 IN APOLIPOPROTEIN E KNOCKOUT MOUSE HEART	Biological, Medical, Pharmaceutical, and health Sciences MED	POSTER
DIFFERENTIAL CHANGES IN PRO AND ANTI- APOPTOTIC PROTEIN EXPRESSION IN MICE FED HIGH-FAT DIET	Biological, Medical, Pharmaceutical, and health Sciences MED	POSTER

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Abstract Title	Area	presentation
Effect of serial subcultivation on the ability of human adipose derived-stem cells to proliferate and differentiate into osteoblastic lineage	Biological, Medical, Pharmaceutical, and health Sciences MED	oral
A new and simple method to isolate human adipose derived stem cells of mesenchymal origin	Biological, Medical, Pharmaceutical, and health Sciences MED	oral
Differential expression of prostaglandin type E receptors (EP1, 2, 3 and 4) mRNAs during the osteogenic process of human adipose-derived stem cells	Biological, Medical, Pharmaceutical, and health Sciences MED	POSTER
Uncovering the role of tau proteins in microtubule reorganization in podocytes	Biological, Medical, Pharmaceutical, and health Sciences MED	oral
Genetic and haplotype analysis of CDAN1 gene in a Lebanese family with congenital dyserythropoiesis anemia type I (CDAI)	Biological, Medical, Pharmaceutical, and health Sciences MED	POSTER
Detection and Analysis of Multi Drug Resistant Gram Negative Bacilli in the Waste Water of a General Hospital in Beirut	Biological, Medical, Pharmaceutical, and health Sciences MED	oral
Cross-disciplinary Learning of Histology, Histopathology and Clinical Manifestations Through Virtual Microscopy: OUWB School of Medicine Experience	Biological, Medical, Pharmaceutical, and health Sciences MED EDU	POSTER
Assessing the emotional impact and perception of human body dissection by medical students at the American University of Beirut	Biological, Medical, Pharmaceutical, and health Sciences MED EDU	POSTER
Radioprotection of patients treated by radioiodine and public around them	Biological, Medical, Pharmaceutical, and health Sciences MED SC	POSTER
Surveys of patient dose and image quality in selected hospitals for establishing a dose reference level in diagnostic radiology examinations in Lebanon	Biological, Medical, Pharmaceutical, and health Sciences MED SC	oral
Molecular Epidemiology of ESBL-producing Escherichia coli and Klebsiella pneumoniae in North Lebanon	Biological, Medical, Pharmaceutical, and health Sciences MED SC	oral
Effets des inhibiteurs de la télomérase sur l'expression de l'alphafoetoprotéine et sur le pouvoir métastatique des cellules C3A du carcinome hépatocellulaire : Études in vitro et in vivo	Biological, Medical, Pharmaceutical, and health Sciences MED SC	oral
Caloric Restriction Decreases Telomerase Activity and Enhances its Inhibitors Response on Breast Cancer Cells: Possible Modulation of Mitochondrial Metabolism	Biological, Medical, Pharmaceutical, and health Sciences MED SC	POSTER
Study of the functions and the intracellular traffic of Sodium Iodide Symporter (NIS) in non-thyroid cancers.	Biological, Medical, Pharmaceutical, and health Sciences MED SC	oral
Protective effect of saffron extract against oxidative damage induced by doxorubicin compared to electrolysis in isolated rabbit heart	Biological, Medical, Pharmaceutical, and health Sciences MED SC	oral

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Abstract Title	Area	presentation
Effect of free radicals generated by argyle smoke compared to cigarette smoke: in vitro and ex vivo study	Biological, Medical, Pharmaceutical, and health Sciences MED SC	POSTER
Preparation and Characterization of liposomes encapsulating eugenol by the ethanol injection method	Biological, Medical, Pharmaceutical, and health Sciences PHARM	oral
Polysaccharides of different species of brown and red algae growing on the Lebanese coast: Isolation, structural features with antioxidant, anticoagulant and antitumor activities	Biological, Medical, Pharmaceutical, and health Sciences PHARM	oral
Novel and Sensitive Spectrophotometric method for the Determination of Tetrahydrocurcumin: A versatile cosmeceutical	Biological, Medical, Pharmaceutical, and health Sciences PHARM	POSTER
Berberis Lebanonica extract induces apoptosis by a cox-2 dependent mechanism	Biological, Medical, Pharmaceutical, and health Sciences PHARM	oral
The Antioxidant Properties of Some Herbal Infusions in the Lebanese Market	Biological, Medical, Pharmaceutical, and health Sciences PHARM	POSTER
Cyclooxygenase Inhibition Partly Mediates the Anti-inflammatory Properties of Few Lebanese Medicinal Plants	Biological, Medical, Pharmaceutical, and health Sciences PHARM	oral
eIF4E/4E-BP Ratio during Colorectal Carcinogenesis	Biological, Medical, Pharmaceutical, and health Sciences PHARM	oral
Language Frames, Cognition and Behaviour	EDUCATION	oral
Investigating Difficulties Faced By Grade 1 To 6 Students While Learning Geometry Based on the Lebanese Curriculum's Objectives and Content	EDUCATION	oral
Facebook® as an Educational Tool in University Science Courses: The Case of Ecology at the Lebanese American University	EDUCATION	oral
Gender, Language and Science: Myth or Methodology?	EDUCATION	oral
A Study of the Alignment between the Lebanese Secondary-Level National Math Exams for the Literature and Humanities Track and the Reformed Math Curriculum	EDUCATION	oral
Étude exploratoire des conceptions épistémologiques des enseignants universitaires de sciences, d'une Faculté de science Libanaise et francophone, concernant la science et son	EDUCATION	oral
New method of multiple model estimation using belief function theory	Engineering	oral
Urban Planning and General Directory Plans Case Study: Baalbeck City	Engineering	POSTER
Design of low cost muscles pressure measurement machine	Engineering	POSTER
An Overview of Fractional Calculus and its Applications in Several Engineering Domains	Engineering	oral
Pumped-Storage Hydro Electricity System	Engineering	oral

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Growth and 4-ethylphenol production by Brettanomyces yeast isolated from Lebanese wine	Engineering	oral
An Evaluation of Pavement Roughness Effects on Vehicle Acceleration and Fuel Consumption	Engineering	POSTER
Emission Tomography using a Regularized Image Reconstruction Technique for high density elements	Engineering	oral
A Hybrid Image Despeckling Technique Based on Wavelets and Adaptive Kuan Filter	Engineering	POSTER
Advanced Abdomen Development for Crash Test Devices	Engineering	oral
NanotexturedSilicon for Biomedical Applications	Engineering	oral
3D modeling of bond-slip relationship between concrete and reinforcement by ABAQUS	Engineering	oral
A Robust Binaural Sound Source LocalizationApproach	Engineering	oral
An Evacuation Strategy during Disasters: Application for Greater Beirut Area	Engineering	oral
THREE DIMENIONAL NUMERICAL MODELLING OF PILES GROUP UNDER SEISMIC LOADINGIN FRICTIONALSOIL : INCLINATION EFFECT	Engineering	POSTER
NUMERICAL ANALYSIS OF STABILITY OF A ROCK MASS IN LEBANON UNDER SEISMIC CONDITIONS	Engineering	oral
Modeling ITS Communication in High Mobility Scenarios	Engineering	oral
Energy-Aware Virtual Desktop Service Provisioning	Engineering	oral
A Throughput Simulation of Port of Beirut	Engineering	POSTER
Faisabilité de la mesure de champs par stéréo corrélation d'images enconditions restrictives.	Engineering	oral
Detectionof Preterm Deliveries using EHG signal.Proposition of a New Parameters Selection Method.	Engineering	POSTER
Study of two steganography methods and their enhancement by using chaotic sequences	Engineering	POSTER
Developing a Didactic Single/Three Phase Motor Controller using Thyristors	Engineering	oral
Antimicrobial activity and chemical composition of the essential oil of Daucuscarota subsp. maximus growing wild in Lebanon	Food security, environment, and Agriculture AGRI	oral
Contribution to the in vitro and in vivopropagation of Origanumsyriacum and Origanumehrenbergigrowing wild in Lebanon	Food security, environment, and Agriculture AGRI	POSTER
Essential oil composition of Teucriumcreticum L. growing wild in Lebanon	Food security, environment, and Agriculture AGRI	POSTER

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Assessing the efficacy of the essential oils of <i>Thymbra spicata</i> , <i>Coridothymus capitatus</i> , <i>Satureja cuneifolia</i> , and <i>Origanum syriacum</i> insecticides and repellants against <i>Bemisia tabaci</i> (Hemiptera: Aleyrodidae)	Food security, environment, and Agriculture AGRI	POSTER
Chemical composition and in vitro anthelmintic effects on <i>Haemonchus contortus</i> of <i>Thymus capitatus</i> from Tunisian south	Food security, environment, and Agriculture AGRI	POSTER
Chemical composition and insecticidal properties of essential oils of four Lamiaceae plants growing wild in Lebanon against <i>Rhynchophorus ferrugineus</i> (Coleoptera: Curculionidae)	Food security, environment, and Agriculture AGRI	oral
Antimicrobial activity and chemical composition of the essential oil of <i>Origanum syriacum</i> L. from Lebanon and comparison with its major components	Food security, environment, and Agriculture AGRI	oral
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	Food security, environment, and Agriculture AGRI	POSTER
THE OCCURRENCE OF BURROWING NEMATODES ON BANANA IN LEBANON AND THEIR CONTROL USING PLANT EXTRACTS AND ESSENTIAL OIL OF ORIGANUM SP	Food security, environment, and Agriculture AGRI	oral
Seed germination of <i>Spartium junceum</i> growing wild in Lebanon	Food security, environment, and Agriculture AGRI	POSTER
Chemical composition of the essential oil of <i>Cupressus sempervirens</i> leaves growing in Tunisia	Food security, environment, and Agriculture AGRI	POSTER
Study of BTEX Compounds in Surface Water of Nahr Ibrahim River	Food security, environment, and Agriculture ENV	POSTER
Identification of Orchid-Rich Sites as an Indicator of Critical Habitats	Food security, environment, and Agriculture ENV	POSTER
Sea water chlorophyll-a extraction using Landsat ETM+ satellite image and Artificial Neural Networks	Food security, environment, and Agriculture ENV	POSTER
Status of Heavy Metals in Water and Bed Sediments of Al-Ghadir River, Mount Lebanon	Food security, environment, and Agriculture ENV	oral
Estimating turbidity in the coastal area of Tripoli (Lebanon) with neural networks	Food security, environment, and Agriculture ENV	oral
SOME MEDICINAL & AROMATIC PLANTS FROM LEBANON	Food security, environment, and Agriculture ENV	POSTER
Dynamique des stocks de carbone dans les sols : identification des usages et des pratiques	Food security, environment, and Agriculture ENV	oral
Identification of homologous genes to PA1b, a cysteine-rich plant peptide in <i>Medicago truncatula</i>	Food security, environment, and Agriculture ENV	oral
Toxicological effects of Red 195 Dye on oxidative enzymes in tilapia <i>Oreochromis niloticus</i>	Food security, environment, and Agriculture ENV	POSTER
Spatial Analysis of Ibrahim River Watershed: Environmental Changes During the Last Four Decades	Food security, environment, and Agriculture ENV	oral



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Abstract Title	Area	presentation
The impact of the creation of a Water Users Association (WUA) on the development of Marjeyoun-Khiam Plain, Lebanon	Food security, environment, and Agriculture ENV	oral
Secondary Pollen Presentation in Bellflowers Revisited: The Curious Case of the Eastern Mediterranean Endemic <i>Michauxiacampanuloides</i> L'Hér.	Food security, environment, and Agriculture ENV	oral
Potential of <i>Opuntia ficus indica</i> as a biointegrator of atmospheric pollution	Food security, environment, and Agriculture ENV	oral
Impact of the Addition of Carbon Co-Substrates on the Aerobic Biodegradation of Carbamazepine by the Fungus <i>Trametes versicolor</i>	Food security, environment, and Agriculture ENV	POSTER
THE MARBLED SPINEFOOT RABBITFISH <i>Siganus rivulatus</i> : THE PROMISE OF A MARINE ALGAEVORE	Food security, environment, and Agriculture ENV	POSTER
Impact of agricultural practices on water resources. A case study of ten potato fields in the central Bekaa Valley, Lebanon.	Food security, environment, and Agriculture ENV	oral
Integrated Pollution Evaluation of Al-Ghadir River in Mount Lebanon	Food security, environment, and Agriculture ENV	oral
Future of Renewable Energy in Lebanon as We Head towards the Gas and Oil Era	Food security, environment, and Agriculture ENV	POSTER
NUTRITIONAL COMPOSITION AND TECHNOLOGICAL CHARACTERISATION OF THE LEBANESE KISHK DAIRY PRODUCT	Food security, environment, and Agriculture FOOD	POSTER
Assessment of Metal Concentration in Lebanese Marketed Canned Food	Food security, environment, and Agriculture FOOD	oral
Phthalates Exposure: Impact on Nutrition/Human Health and Environment	Food security, environment, and Agriculture FOOD	POSTER
Study of complex coacervation between protein/polysaccharides systems: optimal conditions for interaction and food applications	Food security, environment, and Agriculture FOOD	oral
Study of the cultural effect on the relationship between odor and color in Lebanon	Food security, environment, and Agriculture FOOD	POSTER
Molecular Gastronomy in Lebanon	Food security, environment, and Agriculture FOOD	oral
A cafeteria diet worsens alimentary obesity and its metabolic consequences in mice	Food security, environment, and Agriculture FOOD	oral
Consumers and food safety: Comparison between Lebanon and Australia	Food security, environment, and Agriculture FOOD	POSTER
Multi-Version Program Analysis of Refactoring Transformations	Mathematics and Computer Science COMP	oral
Curriculum Based Course Timetabling	Mathematics and Computer Science COMP	oral
A Biologically Inspired Tuning Algorithm for Multivariable Genetic –Fuzzy Systems	Mathematics and Computer Science COMP	oral

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Abstract Title	Area	presentation
A comparison study between the Theoretical perception of IT ethics and the actual practice in Lebanon	Mathematics and Computer Science COMP	POSTER
Mining Breast Cancer Genetic Data	Mathematics and Computer Science COMP	POSTER
An implementation of matrix transposition using SSE instructions	Mathematics and Computer Science COMP	POSTER
Query Reformulation Using Cluster Buckets	Mathematics and Computer Science COMP	POSTER
Optimal Dimension Resolution in Latent Semantic Indexing	Mathematics and Computer Science COMP	oral
Test For Primality by the Generalized Fibonacci and Lucas Sequences	Mathematics and Computer Science MATH	oral
A Probabilistic Version of the Tits Alternative	Mathematics and Computer Science MATH	oral
Convergence analysis of numerical schemes for a degenerate chemotaxis model with general tensors	Mathematics and Computer Science MATH	POSTER
Estimating the distance to the Cube through the restricted invertibility principle	Mathematics and Computer Science MATH	oral
Stability Analysis of Control Systems: The Extended Routh Array and Further Challenges	Mathematics and Computer Science MATH	POSTER
A POSTERIORI ANALYSIS OF ITERATIVE ALGORITHM FOR NONLINEAR PROBLEMS	Mathematics and Computer Science MATH	oral
Economic Impact of the July 2006 War on the Agricultural Production in Lebanon: An Inter-temporal Assessment Approach	Social, Economic, and Behavioral Sciences ECO	oral
Will Nature-Based Tourism Prosper Sustainable Development and Ecological Preservation? An Economic Optimization Approach	Social, Economic, and Behavioral Sciences ECO	oral
Board of Directors Effects on Financial Distress:	Social, Economic, and Behavioral Sciences ECO	oral
Economics and the Exact Science Complex	Social, Economic, and Behavioral Sciences ECO	oral
The Collective Approach to Culture	Social, Economic, and Behavioral Sciences SOC SC	oral
Emergence of Business Team Leaders: Virtual Groups in MENA	Social, Economic, and Behavioral Sciences SOC SC	oral
Virtual Challenges: Online Leadership Success in MENA	Social, Economic, and Behavioral Sciences SOC SC	POSTER
Toward a New Strategy for Business and IT Alignment	Social, Economic, and Behavioral Sciences SOC SC	oral

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Abstract Title	Area	presentation
Characteristics of Process Reengineering Evolutionary Models: Theory and Related Research	Social, Economic, and Behavioral Sciences SOC SC	oral
Living in History in Lebanon: The influence of chronic social upheaval on the organization of autobiographical memories	Social, Economic, and Behavioral Sciences SOC SC	oral
The impact of emotional intelligence on job performance: The case of Lebanese Family Firms	Social, Economic, and Behavioral Sciences SOC SC	POSTER
Mg-based Hydrides for Energy Storage	Theoretical and Experimental Chemistry and Physics CHM	oral
Receptor mediated transcytosis for enhancement of tumor penetration by drug loaded nanoparticles	Theoretical and Experimental Chemistry and Physics CHM	oral
Design, hemisynthesis and biological evaluation of ferutinin analogs as potent agents for breast cancer therapy	Theoretical and Experimental Chemistry and Physics CHM	POSTER
Removal of Chromate and Phosphate Anions Using Polypyrrole Polymer	Theoretical and Experimental Chemistry and Physics CHM	oral
Copper Adsorption onto NaXZeolite	Theoretical and Experimental Chemistry and Physics CHM	POSTER
Innovative Methodology for Desalination of Water Based on Modified Silica	Theoretical and Experimental Chemistry and Physics CHM	POSTER
Synthesis & biological evaluation of pyrimidine-based nucleosides for diabetic nephropathy	Theoretical and Experimental Chemistry and Physics CHM	oral
Synthesis and characterization of uracil- and thymine-based hydrazones for diabetic nephropathy	Theoretical and Experimental Chemistry and Physics CHM	POSTER
Comparative Analysis of Lead and Cadmium Levels in Various Brands of Canned and Processed Meat Products in Lebanon	Theoretical and Experimental Chemistry and Physics CHM	oral
Removal of malachite green dye from water using bio-char prepared by hydrothermal carbonization of pine needles	Theoretical and Experimental Chemistry and Physics CHM	oral
Targeted Functional Nanomaterials for Advanced Biomedicine: Detection and Molecular Imaging of Atherosclerosis	Theoretical and Experimental Chemistry and Physics CHM	oral
Chemokine C Receptor 7 (CCR7): New players (NFAT, SP1, miR-21) regulating its expression in mature dendritic cells	Theoretical and Experimental Chemistry and Physics CHM	oral
Molecular Cloning, Characterization and Genetic and Epigenetic Regulation of the Human IL-21 Promoter	Theoretical and Experimental Chemistry and Physics CHM	oral
APPLYING HOMOGENOUS CATALYSIS TO THE SYNTHESIS OF PEPTIDMIMETICS	Theoretical and Experimental Chemistry and Physics CHM	oral
Investigating the Role of MicroRNAs in the Expression of Leukemia Inhibitory Factor (LIF)	Theoretical and Experimental Chemistry and Physics CHM	POSTER

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Investigating the Role of MiR-24, MiR-181/26 and MiR-27/128 in Interferon Gamma (IFN- $\gamma$ )	Theoretical and Experimental Chemistry and Physics CHM	POSTER
Studying the aromatic profile of the must and wine Syrah in function of geographic origin of the	Theoretical and Experimental Chemistry and Physics CHM	oral
Separation of Bi(III) from Cu(II) by XAD-1180 resin containing	Theoretical and Experimental Chemistry and Physics CHM	oral
Pre-concentration of Bismuth using Emulsion Liquid Membrane - Technique (ELM)	Theoretical and Experimental Chemistry and Physics CHM	POSTER
Effects of Different Surfactants on Indomethacin Microspheres	Theoretical and Experimental Chemistry and Physics CHM	oral
Investigation of the Inhibiting Effect of Urea and Thiourea on the Corrosion of Mild Steel in Acidic Solutions.	Theoretical and Experimental Chemistry and Physics CHM	oral
Removal of Malachite Green Dye from Aqueous Solution by Cobalt Phenanthroline Nanostructure	Theoretical and Experimental Chemistry and Physics CHM	oral
Water Analysis of Persistent Organic Pesticides by SPE-GC/MS in South Lebanon	Theoretical and Experimental Chemistry and Physics CHM	oral
Electronic structure and rovibrational studies of diatomic Zinc compounds	Theoretical and Experimental Chemistry and Physics PHYS	POSTER
Theoretical studies of a diatomic florid of alkaline-earth compound	Theoretical and Experimental Chemistry and Physics PHYS	oral
Rovibrational study and dipole moment calculation of the molecule Arsenic Monochloride AsCl	Theoretical and Experimental Chemistry and Physics PHYS	oral
Ab initio calculations and rovibrational studies of the calcium halides diatomic molecules	Theoretical and Experimental Chemistry and Physics PHYS	oral
Electronic structure with dipole moment of diatomic helium compounds	Theoretical and Experimental Chemistry and Physics PHYS	POSTER
Prospects of Laser cooling in the Yttrium-Nitride Molecule from Relativistic Ab-initio Calculations	Theoretical and Experimental Chemistry and Physics PHYS	oral
Theoretical calculation with rovibrational study of a metal nitrate	Theoretical and Experimental Chemistry and Physics PHYS	oral
Theoretical calculations of Zinc halide diatomic molecules	Theoretical and Experimental Chemistry and Physics PHYS	POSTER
Effect of size and shape of single silver nanoparticles on the optical response	Theoretical and Experimental Chemistry and Physics PHYS	POSTER
Optical properties of core/shell Ag-Au nanoparticle	Theoretical and Experimental Chemistry and Physics PHYS	POSTER
Mercury's Exosphere: MESSENGER and ground-based data.	Theoretical and Experimental Chemistry and Physics PHYS	oral

**19th LAAS International Science Conference**  
**LAU-April 5-6, 2013**  
**ACCEPTED ABSTRACTS**

<b>Abstract Title</b>	<b>Area</b>	<b>presentation</b>
Radiation protection and Quality Assurance Requirements for the Establishment of a New Cyclotron Facility	Theoretical and Experimental Chemistry and Physics PHYS	POSTER
A new analytical method to calibrate well-type NaI (TI) and HPGe detectors	Theoretical and Experimental Chemistry and Physics PHYS	oral
Exploring the Potential Energy Surfaces of Biological Molecules Using Population Transfer Spectroscopy	Theoretical and Experimental Chemistry and Physics PHYS	oral