
	<i>Thursday, May 10</i>
9:00 - 9:30 am	<i>Opening: Opening Ceremony</i> <i>OS1: Oral Session 1- Microbiology, Pharmacology, Molecular Biology</i>
9:30 - 11:00 am	<i>OS2: Oral Session 2- Civil and Architecture Engineering</i> <i>OS3: Oral Session 3- Mathematics</i> <i>OS4: Oral Session 4- Immunology and Toxicology, Epidemiology, Clinical Research</i> <i>OS5: Oral Session 5- Biomedical, informatics, Electrical</i>
11:00 - 11:30 am	<i>CB1: Coffee Break</i> <i>OS6: Oral Session 6- Mechanics and Renewable Energy</i> <i>OS7: Oral Session 7- Biotechnology, Chemistry, Agriculture</i>
11:30 am - 1:00 pm	<i>OS8: Oral Session 8- Earth and environmental sciences and nutrition</i> <i>OS9: Oral Session 9- Telecommunications and electronics</i> <i>OS99: Oral Session 10- Applied and Fundamental Physics, Material Sciences and nano sciences</i>
1:00 - 2:00 pm	<i>Lunch: Lunch</i> <i>PS1: Poster Session 1- Physics, Material Sciences and Nanosciences</i> <i>PS2: Poster Session 2- Mathematics</i>
2:00 - 4:00 pm	<i>PS3: Poster Session 3- Biology and Bioactives Molecules, clinical research</i> <i>PS4: Poster Session 4- Telecom and Networking</i> <i>PS5: Poster Session 5- Earth and Environmental sciences and nutrition</i> <i>PS6: Poster Session 6- Biomedical, Control, Informatics, Electronics, Civil</i>

Thursday, May 10

Thursday, May 10, 09:00 - 09:30

Opening: Opening Ceremony

Thursday, May 10, 09:30 - 11:00

OS1: Oral Session 1- Microbiology, Pharmacology, Molecular Biology

Chairs: Hasna Bou Haroun (Lebanese University, Lebanon), Ali Chokr (Université Libanaise, Lebanon), Helene Greige (Lebanese University, Lebanon)
Biodiversité des Aspergillus de la section 'Flavi' (approche morphologique, moléculaire et métabolique), souches responsables de la synthèse des Aflatoxines, dans les aliments commercialisés au Liban

Joya Makhoulf (EDST, LIBAN ; INPT (INRA TOXALIM) TOULOUSE FRANCE)

Characterization of dynamic gene networks of control ischemic reperfused mouse heart

Sally Badawi (Claude Bernard University Lyon 1, France); Mazen Kurdi (Lebanese University, Lebanon); Michel Ovize, Lionel Augeul and Bruno Pillot (CarMen Laboratory-Team 5, France); Gabriel Bidaux (Claude Bernard University Lyon 1, France)

Synthèse et développement de nouvelles molécules hétérocycliques tricycliques. Etude de leurs propriétés immunomodulatrices

Nour Bou Karroum (Montpellier University, Lebanon); Issam Kassab (Université Libanaise, Lebanon)

Novel methods for detoxification of aflatoxin M1 in milk using different kind of adsorbents

Jean Claude Assaf (Saint Joseph University & Lebanese University, Lebanon); Ali Atoui (CNRS, Lebanon); Andre EL Khoury (Saint-Joseph University, Lebanon); Nicolas Louka (Saint Joseph University, Lebanon); Ali Chokr (Université Libanaise, Lebanon)

Study of olive oil quality during storage and the possible interaction between olive oil components and the packaging polymer

Carla Zarazir and Houssam Obeid (Lebanese University, Lebanon)

OS2: Oral Session 2- Civil and Architecture Engineering

Chairs: Nada Chbat (Université Libanaise, Lebanon), Rouba Dalati (Lebanese University, Lebanon), Fadi Hage Chehade (Lebanese University & University Institute of Technology, Lebanon)

Maîtrise De La Prévision Des Déformations Différées Des Nouveaux Bétons Par Les Méthodes Probabilistes - Amélioration Des Modèles Existants - Développement D'un Nouveau Modèle

Elise Zgheib (UL and USJ, Lebanon); Ibrahim Moukarzel (Lebanese University & Faculty of Engineering, Lebanon); Pierre Matar (Lebanese University, Lebanon); Wassim Raphael (Université Saint Joseph, Lebanon)

Gestion Optimale de la Production Hybride ou Collective d'Energie dans le Cadre des Villes Intelligentes

Nivine Attoue (Université Libanaise, Lebanon); Rafic Younes (Lebanese University, Faculty of Engineering, Lebanon); Hussein Mroueh (Université

Lille I Sciences et Technologies, France)

Seismic evaluation of dams in Lebanon

Sobhi Al mawla (USJ- Lebanese University, Lebanon); Fadi Hage Chehade (Lebanese University & University Institute of Technology, Lebanon); Fouad Kaddah (Université Saint Joseph, Lebanon)

Systèmes complexes, un nouveau langage urbain: Le cas de Horch Beyrouth

Joumana Stephan (Lebanese University & Université de Versailles Saint Quentin en Yvelines, Lebanon)

Conflits et enjeux des échelles d'aménagement territoriales, le cas de la future autoroute arabe au Liban

Clea Abi Khalil (Lebanese University & Université de Versailles, Lebanon)

Les Cours d'Eau au Liban: Facteurs de Division ou de Développement Territorial ?

Christelle Tohme (Lebanese University, Lebanon); Nada Chbat and Nouha Ghosseini (Université Libanaise, Lebanon); Paolo Amaldi (Université de Versailles Saint Quentin en Yvelines, France)

OS3: Oral Session 3- Mathematics

Chairs: Hyam Abboud (Lebanese University, Lebanon), Ali Wehbe (Lebanese University, Lebanon), Ibrahim Zalzali (Lebanese University, Lebanon)

Trend detection for heteroscedastic extremes

Aline Mefleh (Lebanese University & Bourgogne Franche-Comte University, Lebanon); Hassan Zeineddine (Lebanese University, Lebanon); Zaher Khraibani (Université Libanaise, Lebanon); Clément Dombry and Romain Biard (Bourgogne Franche-Comte University, France)

On the Motion of Several Disks in an Unbounded Viscous Incompressible Fluid

Lamis Marlyn Kenedy Sabbagh (Laboratoire de Mathématiques, Ecole Doctoral des Sciences et Technologie EDST, Université Libanaise, Lebanon); Raafat Talhouk (Lebanese University, Lebanon); Matthieu Hillairet (Montpellier, France)

Fluid-Structure Interaction Problems: Mathematical Analysis and Simulations of Blood Flow in Stenosed Arteries

Fatima Abbass and Ayman Mourad (Lebanese University, Lebanon)

OS4: Oral Session 4- Immunology and Toxicology, Epidemiology, Clinical Research

Chairs: Ziad Fajloun (Lebanese University, EDST, Centre Azm for Biotechnology & EDST, Azm Center for Research in Biotechnology, Lebanon), Majida Jalbout (Université Libanaise, Lebanon), Samar Rachidi (Université Libanaise, Lebanon), Pascale Salameh (Lebanese University, Lebanon)

Impact of Influenza type A virus infection on myelopoiesis

Ranin Beshara (Lebanese University & Pasteur Institute of Lille, Lebanon)

Heterocyclic aromatic amines (HAA) interaction with organic cation transporters (OCT)

Katia Sayyed (Lebanese University & Rennes 1 University, Lebanon); Ziad Abdel-Razzak (Lebanese University, Lebanon); Olivier Fardel (Université de Rennes 1, France)

Deciphering the anti-inflammatory effect of new gem-difluorobisarylic derivatives

Abeer Ayoub (Lebanese University, Lebanon); Aida Habib (American University of Beirut, Lebanon); Ali Hachem, Eva Hmeide and Layal Hariss (Lebanese University, Lebanon); Sandra E. Ghayad (Lebanese University & Faculty of Science II, EDST, Lebanon); Ghewa Antoine El-Achkar (American University of Beirut, Lebanon); Bassam Badran (Lebanese University, Lebanon); René Grée (Université de Rennes 1, France)

Shavenbaby proteins orchestrate the proliferation versus differentiation switch of Intestinal Stem Cells

Sandy Al Hayek (Lebanese University & Université Toulouse III Paul Sabatier, Lebanon); François Payre (Université de Toulouse III-Paul Sabatier, France); Dani Osman (Lebanese University, Lebanon)

Sperm transcriptome profiling in infertile men using next generation sequencing

Fadi Choucair (Université de Nice Sophia Antipolis, Lebanon); Mira Hazzouri (Lebanese University, Lebanon)

OS5: Oral Session 5- Biomedical, informatics, Electrical

Chairs: Jamal Charara (Lebanese University & Faculty of Sciences, Lebanon), Bilal Chbaro (Lebanese University, Lebanon), Clovis Francis (Lebanese university, Lebanon)

Conception et Développement d'un Convertisseur Matriciel Reconfigurable pour l'Intégration de Panneaux Photovoltaïques au Réseau

Amira Ammar (Lebanese University-Graduate School of Science and Technology-EDST, Lebanon); Nazih Moubayed (CRSI, Faculty of Engineering, Lebanese University, Lebanon)

Diagnostic de défauts de roulements en mode de variation de vitesse

Souhayb Kass (Lebanese University, Lebanon & INSA-Lyon, France)

Effet des Divers Stimuli Cognitifs sur la Performance Motrice

Joy Khayat (Lebanese University & Université Claude Bernard Lyon 1, Lebanon)

Brain network estimation from dense-EEG: application to neurological diseases

Aya Kabbara (Lebanese University, Lebanon); Mohamad Khalil (Lebanese University & Doctoral School of Sciences and Technology, Lebanon); Wassim El Falou (Lebanese University, Lebanon); Mahmoud Hassan (University of Rennes I, France); Fabrice Wendling (INSERM, France)

Modélisation et commande des robots portables pour la réhabilitation et l'assistance humaine

Fatima el zahraa Wehbi (Lebanese University & Université Paris-Est, LISSI, UPEC, Lebanon); Mohamad Khalil (Lebanese University & Doctoral School of Sciences and Technology, Lebanon); Maher El Rafei (Lebanese University, Faculty of Engineering, Branch 1, Lebanon); Yacine Amirat (LISSI Laboratory, France); Samer Mohammed (University of Paris-Est Creteil Val de Marne, France)

Segmentation Of Heterogeneous Multivariate Genome Annotation Data

Halima Saker (LU, Lebanon); Ahmad M. Shahin (Lebanese University, Lebanon); Peter Stadler (Leipzig University, Germany)

Thursday, May 10, 11:00 - 11:30

CB1: Coffee Break

Thursday, May 10, 11:30 - 13:00

OS6: Oral Session 6- Mechanics and Renewable Energy

Chairs: Khalil Khoury (Lebanese University, Lebanon), Nazih Moubayed (CRSI, Faculty of Engineering, Lebanese University, Lebanon)

Développement d'Outils Méthodologiques et Techniques pour Accompagner l'Adhésion des Municipalités de Sud-Méditerranée à la Convention des Maires pour une Energie Locale Durable

Sabine Saad (Lebanese University & University saint Joseph, Lebanon); Adel Mourtada (UL-ALMEE, Lebanon); Marwan Brouche (Saint Joseph University, Lebanon)

Development of rating for energy efficiency in industry sector

George El-Jamal (Univeriste Saint Joseph- ESIB, Lebanon); Adel Mourtada (Lebanese University, Lebanon); Fouad Kaddah (Université Saint Joseph, Lebanon)

Optimal design of renewable energy solution sets for net zero energy buildings

Fatima Harkouss and Farouk Fardoun (Lebanese University, Lebanon)

OS7: Oral Session 7- Biotechnology, Chemistry, Agriculture

Chairs: Antoine El Semrani (Lebanese University, Lebanon), Samir Taha (Lebanese University, Lebanon), Hosni Takache (Lebanese University & Faculty of Agricultural Sciences, Lebanon)

Supercritical extraction and fractionation of lipids from untreated microalgae *Nannochloropsis oculata* and *Chlorella vulgaris*

Sara Obeid (INPT-ENSIACET TOULOUSE, UL EDST LIBAN, France); Ali Ismail (Lebanese University - Faculty of Agricultural Sciences, Lebanon); Hosni Takache (Lebanese University & Faculty of Agricultural Sciences, Lebanon)

Films Multicouches à Base de Chitosane et d'Acide Hyaluronique/Cellules Souches Mésoenchymateuses

Hana Dennaoui (Université Libanaise, Lebanon)

Bioactive compounds isolated from *Calicotome villosa*

Josiane Hage (Université Libanaise, Lebanon); Samir Taha (Lebanese University, Lebanon); Hoda ElBitar (AZM Center for Research in Biotechnology and Applications, Lebanon); Thierry Benvegnu (ENSCR, France)

Novel screening method of natural compounds for new modulators of voltage-gated sodium channels

Joseph Khoury and Ziad Fajloun (Lebanese University, Lebanon)

β -CyD-Mediated Enantioselective Photochemical Electrocyclization of 1,3-Dihydro-2H-azepinone

Ali Mansour (Lebanese University, France)

Les Dechloranes: Contribution À L'évaluation De L'exposition Alimentaire À Ces Contaminants Émergents

Inas Abdel Malak (Université Libanaise, Lebanon); Farouk Jaber (Lebanese University, Lebanon); Ronan Cariou (LUNAM Université, Oniris, LABERCA, Nantes, France)

OS8: Oral Session 8- Earth and environmental sciences and nutrition

Chairs: Dany Azar (Lebanese University, Lebanon), Veronique Kazpard (Lebanese University, Lebanon)

Processus hydrogéochimiques dans un bassin karstique de l'Est de la Méditerranée: Le bassin versant du Nahr Ibahim, Liban

Nour Hanna and Antoine El Semrani (Lebanese University, Lebanon); Bruno Lartiges (Géosciences Environnement Toulouse (GET), Université Paul

Sabatier, France); Veronique Kazpard (Lebanese University, Lebanon)

Adsorption of Nicotine and its Drifts from Wastewater over Activated Montmorillonite (AM). Study of Inorganic Ions Effect on their Removal
Zeinab Ibrahim (Lebanese University, EDST, Lebanon); Bachar Kobeissy (Universite Libanaise, Lebanon); Tayssir Hamieh (Faculté d'Agronomie, Lebanon); Joumana Toufaily and Yehya Mohsen (Lebanese University, Lebanon)

Palatability and Satiety response of "Mankoushe Zaatar" following processed chickpeas flour incorporation
Sahar Dandashi (Université Libanaise, Lebanon); Hiba Mawlawi (Lebanese University- Health 3, Lebanon); Omar Obeid (AUB, Lebanon)

OS9: Oral Session 9- Telecommunications and electronics

Chairs: Ali Beydoun (Lebanese University, Lebanon), Bachar A. ElHassan (Lebanese University, Faculty of Engineering, Branch I & order of Engineers and Architects - Tripoli, Lebanon), Mohammad Rammal (Lebanese University, Lebanon)

Mathematical Model for Leaky Integrate and Fire Neuron
Ali Abou Khalil (University of Genova, Italy)

Direction of Arrival Estimation for LTE-Advanced and 5G in the Uplink
Mohammad Haroun (Lebanese University, Lebanon); Marta Cabedo-Fabrés (Universidad Politècnica de Valencia, Spain); Jalal Jomaah (Lebanese University, Lebanon); Miguel Ferrando-Bataller (Universitat Politècnica de València, Spain); Hussam Ayad (Lebanese University, Lebanon)

Oil Spill Monitoring using Radar Remote Sensing
Bilal Hammoud (IMEP-LAHC Grenoble France, Lebanon & LU, France); Jalal Jomaah and Hussam Ayad (Lebanese University, Lebanon); Ghaleb Faour (CNRS Lebanon, Lebanon); Fabien Ndagijimana (University Joseph Fourier & IMEP-LAHC lab, France)

Conception Et Mise En œuvre Des Fonctions De Hachage Basées Sur Des Cartes Chaotiques Et Des Réseaux De Neurones
Nabil Abdoun (University of Nantes, France); Mohamad Khalil (Lebanese University, Faculty of engineering, SI, Lebanon); Safwan El Assad (École Polytechnique de l'Université de Nantes & IETR Laboratory, France); Rima Assaf (Lebanese University, Lebanon)

OS99: Oral Session 10- Applied and Fundamental Physics, Material Sciences and nano sciences

Chairs: Fouad El Haj Hassan (Lebanese University, Lebanon), Adnan Naja (Lebanese University, Lebanon), Michel Nakhl (Lebanese University, Lebanon)
Snow Depth Retrieval Algorithm from Radar Backscattering Measurements at L- and X- Band Using Multi-Incidence Angles
Fatima Mazeh (Lebanese University, Lebanon)

Measurement of the Triple Differential Cross Section for the Photon+Jet Events with the CMS Detector at a Center of Mass Energy of 13 TeV
Nada Barakat (Lebanese University & MultiDisciplinary Physics Lab, Lebanon); Haitham Zaraket (Lebanese University, Lebanon)

Application of maghemite/polymer hybrid particles to the elaboration of patchy particles for magnetically driven assembly
Elham Yammine (Lebanese University & University of Bordeaux, Lebanon)

Measuring the b-jet spectra in pPb collision at $\sqrt{s} = 5.02\text{TeV}$ with ALICE at the LHC
Hadi Hassan Hassan (Lebanese University, Lebanon & Grenoble University Alpes, France); Haitham Zaraket (Lebanese University, Lebanon); Ingo Schienbein (Grenoble University Alpes, France); Rachid Guernane (CNRS/IN2P3, France)

Development by Plasma Enhanced Chemical Vapor Deposition of Nitrogen doped TiO₂ thin layers for Solar Hydrogen generation
Lorraine Youssef, Mirvat Zakhour and Joëlle Bassil (Lebanese University, Lebanon); Stéphanie Roualdès (University of Montpellier, France)

Effect Of Additives And Processing Conditions On Microstructure And Mechanical Properties Of Alumina-Based Nanocomposites
Wissam Hijazi and Haitham Zaraket (Lebanese University, Lebanon)

Thursday, May 10, 13:00 - 14:00

Lunch: Lunch

Thursday, May 10, 14:00 - 16:00

PS1: Poster Session 1- Physics, Material Sciences and Nanosciences

Chairs: Ziad Adem (UL - Faculty of Sciences II- Fanar, Lebanon), Roland Habchi (Lebanese University, Lebanon), Mirvat Zakhour (Lebanese University, Lebanon), Haitham Zaraket (Lebanese University, Lebanon)

Design of a Broad Band Metamaterial Absorber
Zeinab Fneich (University of Rouen & Lebanese University, Lebanon)

Mécanisme de la nucléation des nanoparticules d'argent dans la méthode de Turkevitch

Sarah Al Gharib (Lebanese University, Lebanon); Adnan Naja (Université Libanaise, Lebanon); Abdelkarim Omar (Lebanese University, Lebanon); Jacqueline Belloni and Mehran Mostafavi (Paris Saclay, France)

Synthesis, Characterization and Thermal Evaluation of New Ceramic Materials

Zeinab Harajli (INSA Lyon, Lebanon); Damien Fabrègue (Université de Lyon MATEIS CNRS UMR 5510, France); Ziad Herro (Lebanese University, Lebanon); Maher Soueidan (Université de Lyon Laboratoire Ampere CNRS UMR 5005 Insa de Lyon, France)

Synthesis of graphene-based nanomaterials for efficient drug delivery under NIR light

Abir Swaidan (Lebanese University, Lebanon); Alexandre Barras (Lille 1, France); Mira Jaafar (Lebanese University, Lebanon); Salah Hamieh (Université Libanaise, Lebanon); Sabine Szunerits (Université Lille 1, France); Joumana Toufaily (Lebanese University, Lebanon); Rabah Boukherroub (Université Lille 1, France); Tayssir Hamieh (Faculté d'Agronomie, Lebanon)

Modèle tridimensionnel pour la caractérisation thermique des films minces par thermoréfectance

Elie Badine (Lebanese University & Université du Littoral Côte d'Opale, Lebanon); Abdelhak Hadj Sahraoui (Université du Littoral Côte d'Opale, France); Ziad Herro (Lebanese University, Lebanon); Mathieu Bardoux (Université Littoral Côte d'Opale, France); Nadine Abboud (Lebanese University, Lebanon)

PS2: Poster Session 2- Mathematics

Chairs: Houssam Khalil (Lebanese University, France), Chadi Mir (Lebanese University, Lebanon), Raafat Talhouk (Lebanese University, Lebanon)

Numerical Analysis of a Finite Volume Scheme For a Beeler-Reuter Based Model of Cardiac Electrical Activity

Fatima Mroue (Lebanese University & Ecole Centrale de Nantes, Lebanon); Raafat Talhouk (Lebanese University, Lebanon); Mazen Saad (Ecole Centrale de Nantes, France); Mostafa Bendahmane (Nantes, France)

Extended Green-Naghdi system for flat bottom

Bashar Hussien Elkhorbatly (Lebanese University, Lebanon); Samer Israwl (Universites of LU and AUL, Lebanon)

Indirect Locally Internal Exact Controllability of Two Wave Equations Coupled by Velocities

Chiraz Kassem (Université Libanaise, Lebanon); Ali Wehbi (Lebanese University, Lebanon)

Maximal Forests of Digraphs

Sara Nasser (Université Libanaise, Lebanon); Maidoun Mortada (Lebanese University, Lebanon)

PS3: Poster Session 3- Biology and Bioactives Molecules, clinical research

Chairs: Ziad Abdel-Razzak (Lebanese University, Lebanon), Asma Chibani (Lebanese University- Health 3, Lebanon), Ali Chokr (Université Libanaise, Lebanon), Ziad Fajloun (Lebanese University, Lebanon), Rania Jounblat (Lebanese University, Lebanon), Hiba Mawlawi (Lebanese University- Health 3, Lebanon)

Chemical Composition And Biological Activity Of Thymbra Spicata Extracts

Mohamad Khalil (Université Libanaise, Lebanon); Hala Khalifeh and Ahmad Daher (Lebanese University, Lebanon)

Genetic polymorphisms associated with nicotine dependence and withdrawal in the Lebanese population

Sandrella Bou Malhab (Lebanese University & Saint Joseph University, Lebanon); Nina Saadallah Zeidan (Université Libanaise, Lebanon); Pascale Salameh (Université Libanaise, Lebanon)

Non-gonococcal Neisseria associated with infertility in Lebanese men

May Khoder (Faculté de sante Université Libanaise, France)

The Impact Of Pre-graft Serology On The Risk Of Pathologies Associated With The BK Virus In Post-Renal Transplantation Patients

Fatima El Zahraa Dakroub (Lebanese University, Lebanon); Haidar Akl (Lebanese University, Lebanon)

Immobilization of an antibiotic enhancer on a polymeric surface results in materials capable of preventing colonization by multi-resistant bacterial strains

Hawraa Shahrouh (Lebanese University & University of Navarra, Spain); Israa Dandache and Ali Chokr (Lebanese University Faculty of Sciences 1, Lebanon); Guillermo Martinez de Tejada (University of Navarra, Spain)

Role Of Estradiol And Probiotics In The Crosstalk Between CRC, IBD And Diabetes

Sahar Al Kattar (Lebanese University, Lebanon); Chawki Bou Karim (Université Libanaise, Lebanon)

Validation of the Arabic Version of the Minnesota Living with Heart Failure Questionnaire

Mariam Zahwe (Lebanese University, Lebanon); Amal Al-Hajje (Université Libanaise, Lebanon); Samar Rachidi (Université Libanaise, Lebanon)

Facteurs De Risque Et Prise En Charge De l'Epilepsie Au Liban

Lara Mroueh (Lebanese University, Lebanon); Amal Al-Hajje (Université Libanaise, Lebanon)

Biologic Agents Users and Non-Biologic Agents Users in Rheumatoid Arthritis: A Comparison of Patients Characteristics and Outcomes in Terms of Prognosis and Side Effects According to The First Registry in Lebanon

Houda Ziadeh (Lebanese University, Lebanon); Samar Rachidi (Université Libanaise, Lebanon); Monique Shaya (AUB, Lebanon)

PS4: Poster Session 4- Telecom and Networking

Chairs: Abed Ellatif Samhat (Lebanese University, Lebanon), Youssef Zaatar (Lebanese University, Lebanon)

Decentralized Management of Interconnected Complex System: Applications of Smart Grids

Hala Al Salloum (Université Libanaise & Université De Technologie De Troyes, France)

Contrôle Dynamique Des Communications Véhiculaires Hybrides Dans Une Architecture 5G

Nadia Mouawad (Université Libanaise, Lebanon); Rola Naja (Lebanese University, Prism Lab-Versailles, Lebanon)

PS5: Poster Session 5- Earth and Environmental sciences and nutrition

Chairs: Antoine El Semrani (Lebanese University, Lebanon), Hoda ElBitar (AZM Center for Research in Biotechnology and Applications, Lebanon), Jalal Halwani (Lebanese University, Lebanon)

Multi-crop irrigation system by using IOT

Yerriswamy S and Yerriswamy S (VIT University, India)

L'impact Environnemental Du Changement Climatique, Une Corrélation Avec Le Cycle Hydrologique Et La Concentration De La Pollution Dans La Région Litani

Ali Hayek (Lebanese University, Lebanon); Tayssir Hamieh (Faculté d'Agronomie, Lebanon)

Hypominéralization Moltaire-Incivise au Liban:Prévalence et Étiologie Génétique

Rola El-Zein and Fouad Ayoub (Lebanese University, Lebanon); Eliane Chouery (Saint Joseph University, Lebanon)

Formulation de houmous pour accroître la biodisponibilité du fer et développement de techniques analytiques d'évaluation du fer disponible

Nour Doumani and Jacqueline Maalouly (Lebanese University, Lebanon)

PS6: Poster Session 6- Biomedical, Control, Informatics, Electronics, Civil

Chairs: Oussama Bazzi (Lebanese University, Lebanon), Bassam Daya (Lebanese University & IUT Saida, Lebanon), Fadi Hage Chehade (Lebanese University & University Institute of Technology, Lebanon), Ahmad M. Shahin (Lebanese University, Lebanon)

Homomorphic Encryption for Modern Security Applications

Khalil Hariss and Abed Ellatif Samhat (Lebanese University, Lebanon); Maroun Chamoun (Université Saint Joseph, Lebanon)

Constrained Weighted Feature Selection: Relief-Sc

Samah Hijazi (Lebanese University & ULCO, France)

Fault Tolerant Localization By Tight Coupling Of GNSS Measurements, Proprioceptive Sensors And 3D Mapping

Khoder Makkawi (Lebanese University, Lebanon); Nazih Moubayed (CRSI, Faculty of Engineering, Lebanese University, Lebanon); Maan El Badaoui El Najjar (Université des Sciences et Technologies de Lille, France)

Landmines Detection Using Hyperspectral Imaging

Mahdi Khodor (Lebanese University, Lebanon)

Capteur d'humidité capacitif à base d'oxyde de graphène sur un papier poreux

Rouba Alrammouz (Lebanese University & University of Montpellier, Lebanon); Roland Habchi and Pascale Abboud (Lebanese University, Lebanon); Brice Sorli (University of Montpellier & IES, France); Jean Podlecki (IES, Université Montpellier, Lebanon)

Elaboration et caractérisation de contacts électriques à base de phases MAX sur SiC pour l'électronique haute température

Valdemar Abou Hamad and Youssef Zaatar (Lebanese University, Lebanon); Maher Soueidan (Université de Lyon Laboratoire Ampere CNRS UMR 5005 Insa de Lyon, France)

Beyrouth entre fragmentation et cohésion. La construction d'un nouvel espace métropolitain à travers l'interface

Mezher Nisrine (Lebanese University-EDST & Paris 1 Pantheon Sorbonne, Lebanon); Nadine Cattat (Université Paris 1 Pantheon Sorbonne, France); Nada Chbat (Université Libanaise, Lebanon)
