Forum Doctoral 2024
17-18 September 2024

Program

Day 1: 17 September 2024

9:00 Opening Ceremony
The Forum and its importance. Pr. Kassem Hamze, Dean of DSST

Session 1: Room1, Biotechnology, Agriculture, Earth Sciences, 9:30-12h00

9:30	Choker	Jana	Enhancements in the micropropagation of autochthonous olive trees (Olea europaea L.) in Lebanon, alongside a genome-wide association study of select agronomic traits
9:50	Zayour	Fatima	Essential oils from Rosemary, Thyme, Orange, and Pomegranate extract: Comparative analysis and application on jam and Bread
10:10	Kashmar	Rayan	Choice and culture of oleaginous strains for the energy valorization of biogenic effluent
10:30	Rammal	Jana	A new biofilter for water remediation. New method for water softening using biomaterials
10:50	AL Najjar AL Kassir	Rayan	Investigating the synergistic Effects of Algae Extract, Collected from the Lebanese coast, and 5-FU on Colon Cancer Cells

Session 2: Room 2, Engineering, Computer, 9:30-12h00

9:30	Ghanem	Mustafa	Title: Physical Layer Security with VLC for (6G) Wireless communication Systems
9:50	Naserdeen	Roxane	Deriving the Soil Ground Profiles Based on Artificial Intelligence Models
10:10	Khaled	Loubna	Development and Optimization of an Energy System for Sustainable Agriculture: A Global Approach for Enhanced Energy Management
10:30	Bayad	Israa	DeeTrack: Deep Learning for Real-Time Detection and Tracking
10:50	Ragheb	Ghassan	Etude de la dynamique de collision électronique des atomes et de petites molécules d'intérêt atmosphérique
11:10	Shebly	Daniella	Embedded Machine Learning

11:30	Ibrahim	Hiyam	An Innovative Immersive Exergame for training Postural Instability among Patients with Multiple Sclerosis: A Crossover Study

Session 3: Room 3, Biology, 9:30-12h00

9:30	Choueiry	Georges	Health Research in the Middle East and North Africa: Analyzing 30-Year Patterns and Relevance to Public Health Needs
9:50	Al Jassem	Omar	Surveillance and Trends of Antimicrobial Resistance Among Clinical Isolates of Strict Anaerobes in Lebanese Hospitals
10:10	Shahin	Hoda Helene	Antibacterial effect of essential oils and/or their major components against Pseudomonas aeruginosa carbapenemase producer
10:30	Aoun	Pamela	The complex issues surrounding the use of glyphosate and its broader impacts
10:50	Albahri	Ghosoon	Phytochemical Analysis, Antioxidant, Anti-inflammatory, Anti-cancerous, and Anti-bacterial Activities of Various Medicinal Plants on Breast Cancer Cells
11:10	Rahme	Deema	The management of urinary tract infection and community acquired pneumonia in hospitals in Lebanon
11:30	Ismail	Khadija	Surgical Management with Cohen and Lich-Gregoir of children with Unilateral Vesicoureteral Reflux (VUR) and Recurrent UTIs
11:50	Naji	Hiba	Genotypic and phylogenetic analysis of a collection of unidentifiable clinical isolates belonging to the group of "Non fermenting Gram-Negative bacilli": Potential description of new species

Session 4, Room 4, Math, 9:30-12h00

9:30	ALHUSSEIN	Aya	Kings in Tournaments and Edge Packing Coloring of Graphs
9:50	Al Achaal	Batoul	Etude de la dynamique des dislocations dans un cadre bidimensionnel déterministe et stochastique
10:10	Abdallah	Ghadi	Espaces de Jets des Singularités Quasi-Ordinaires
10:30	AL BAZZAL	Hadeel	S- Packing Coloring of Subcubic Graphs

10:50	Alsayed Houssein	Rana	Etude de valeurs propres du modèle de Rabi
11:10	Abou Assali	Rodolphe	Problème de Steklov biharmonique sur les formes différentielles
11:30	Khalifeh	Youssef	Control and Observation of a Korteweg-de Vries (KdV) Type System

Session 5: Room 3, Clinical Research, Public Health, 12h00-14h30

12:00	Reva	Mosleh	Evaluation of Maternal and Neonatal Outcomes Among Lebanese Women Conceived by Assisted Reproductive Technology
12:20	Saleh	Nour El Hoda	Spinal Cord Injury Rehabilitation Programs in Lebanon: Evaluation of Knowledge, Practices, Access to Services, Lived Experience, Unmet Needs, and Outcomes
12:40	Saker	Zahraa	Clinical Profile of Heart Failure Patients and the Current Management Status in the Lebanese Population
13:00	Barakat	Zainab	Exploring the Burden on Caregivers of Community-Dwelling Elderly in Lebanon
13:20	Hassouna	Hiba	Individualisation de l'intensité du réentrainement chez les patients fragiles basée sur l'oxygénation musculaire
13:40	Nehme	Malak	Anatomical Variations and Pathology of the Maxillary Sinuses as Identified by Cone Beam Computed Tomography in Lebanese Population

Session 6, Room 1, Agriculture, Earth Sciences, 12h00-14h30

12:00	Rammal	Marwa	Plante médicinale: etude chimique, evaluation biologique et application potentielle .
12:20	Slim	Farah	Strategies for Rebuilding Food Security in Lebanon After a Prolonged Polycrisis
12:40	Abou Abbass	Fatima	Assessment of water consumption in water-scarce region by using statistical analysis: Case study at Maten Region, Lebanon.
13:00	El Rafei	Bayane	Lait comme bio-moniteur: presence des pesctides

13:20	Abdallah	Abbass	Identification and characterization of landrace of tomato in Lebanon
13:40	Karaki	Mohamad	Assessment of the efficiency of Managed Aquifer Recharge at a pilot scale using experimental and numerical models

Session 7, Room 4, Architecture, 12h00-14h30

12:00	Kawekji	Dana	L'Impact des Valeurs et Normes Sociales sur la Conception, la Gestion et la Qualité des Espaces Verts Urbains : Étude de Cas de Tripoli, Liban
12:20	Najjar	Rayan	Cultural Tourism and Sustainable Urban Development Challenges A Case Study in the historical core of Tripoli Al Tall - North Lebanon
12:40	El Naghi	Wassim	An evaluation framework for sustainable revitalization of modern heritage arhitecture a case study on the rachid karami international fair in tripoli, lebanon
13:00	Diab	Jinane	Transposer les ambiances dans les nouveaux espaces reconstruits, le cas du camp Nahr El Bared et les quartiers devastes de Beyrouth apres la double explosion de 4 aout 2020

Session 8, Room 2, Engineering, Computer, 12h00-14h40

12:00	Sultan	Malak	Advances in Neural Network Approaches for Gain and Directivity, Prediction of a Microstrip Patch Antenna
12:20	Itani	Noureddine	Modeling and optimization of Multigeneration source triplecomponent chiller co-supplied with renewable energy and waste heat recovery
12:40	Salman	Reem	Integration of Remote Sensing, GIS and Machine Learning for WildFire Detection and Management in Lebanon
13:00	Al Saiid	Sabrine	Optimisation des paramètres de CBCT pour ajuster le positionnement du patient
13:20	Haidar	Mirna	Dynamic wireless caching solutions for cellular network
13:40	Jammoul	Racha	Landfills and soil contamination
14:00	Moghnieh	Hawraa	Conception d'antenne à faible risque sanitaire

14:20	Neaimeh	Nemer	Cyclotron production of 68Ga via the 68Zn(p,n)68Ga reaction in aqueous solution
14:40	Almousawi	Mohammad	Characterization of Trivalent Doping on Magnetic Mixed Typical Spinel Nanoferrites for the Treatment of Contaminated Water

Session Online, Students only registered in UL, 15h00-18h00

15:00	Alsaedi	Zinah	An enhanced machine learning model for network intrusion dedication system
15:20	Al-Almani	Ebrahim	HCareTracker: A smart healthcare pervasive platform for tracking and monitoring the evolution of critical diseases.
15:40	Abdulsattar	Yousif	Seizure prediction using deep learning approaches
16:00	Al-Maliki	Laheab	Climate Change Impact on Water Resources in Arid and Semi-Arid Region: Iraq as A Case Study
16:20	Daamouch	Moussa	A study on Seymour's second neighborhood conjecture
16:40	Abdul Aljabbar	Ahmed	Developing a 3D Land Administration System as a requirement of detailed planning for the proposed smart cities Using GIS-BIM Integration Techniques
17:00	Kadhim	Ihsan	Using GIS concept for management and enhancement of the sewage system in cities with sudden population change. Application for the city of Karbala-Iraq
17:20	Qays	Jabbar	Enhancing the Security of Cloud Data Using Data Fragmentation and Homomorphic Encryption

Session Online, Students only registered in UL, 15h00-18h00

15:00	Hamdan	Lynn	Amélioration des stratégies urbaines pour plus d'autonomie et d'efficacité énergétique appliquées aux bâtiments.
15:20	Hamze	Baraa	Study on Atorvastatin-induced myopathy and possible prevention by using Co-Administration of NAC (N-acetyl-cysteine) and CoQ10 (Coenzyme Q10)
15:40	Moghnie	Sara	Development of new approaches for the molecular charecterization of OM within a peat bog

16:00	Pano	Nathalie	Food system model resilient for climate change: via prevention of food waste
16:20	Qasim	Shaymaa	Anticancer Activity of Allium sativum Extracts, and their Antitumor Inhibition of Liver Cancer HepG-2 cell.
16:40	Al Rahy	Nadim	Inducing Immune Regulation in Transplantation
17:00	Al Chaar	Soltan	CD8 regulatory T cells

Day 2: 18 September 2024

Session 8, Room 1, Biology, Public Health, 9h00-11h00

9:00	Kawtharani	Inass	Molecular Epidemiology of Different Bacterial Pathogens and Their Resistance Genes among Patients with Surgical Site Infections in Lebanon: A Multi-Central Study
9:20	Nasr	Ramona	Macrolides usage as anti-inflammatory agents in the treatment of community acquired pneumonia and ventilator associated pneumonia using the MRC framework
9:40	Abou Staiteieh	Soumaiah	Investigating the combination effect of the DNA polymerase inhibitor ST1926 analogs and etoposide in primary effusion lymphoma
10:00	Kassem-Moussa	Sondos	Effect of Sertraline on depressive-like behavior following early-life hypoxic seizures: a behavioral and a molecular study
10:20	Akkouch	Nisreen	Agricultural Pesticide Management in Akkar Governorate, Lebanon: Assessing Farmer Awareness and the Efficacy of Digital Educational Intervention
10:40	Dabboussi	Nour	Pathophysiological aspects of the role of inflammation and gut microbiota in mood disorders, and their therapeutic implications in a cohort of the Lebanese population
11:00	Nour	Dalal	Caractérisation génotypique des lignées circulantes du SRAS-CoV-2 et cinétique des titres d'anticorps anti-Spike chez les adultes vaccinés au Liban

Session 10, Room 2, Physics, 9h00-11h00

9:00	Hamieh	Malak	Synthesis and Characterizations of a Novel Hybrid Catalytic System Incorporating Quantum-Dots- Enhanced Mesoporous Silica and Biomass-Derived Activated Charcoal for Environmental Remediation
9:20	Barakat	Nourhan	Thermal transport simulations in high boundary density nanostructures using ab-initio techniques
9:40	Ghandour	Fatima	Couplage neutronique thermohydraulique d'un petit reacteur modulaire (Small Modular Reactor)

Online Session 1: Room 3: Agriculture, Immunology, Public Health, 9h00-12h00

9:00	Nassif	Marwa	Impact de la diversité des communautés microbiennes des laits fermentés et des variétés de blés sur la qualité nutritionnelle du Kishk
9:30	Fawaz	Sally	Microalgae Grown in Agri-Food By-Products as an Alternative Protein Source (PROALGAE)
10:00	Chaouk	Hamdi	The Application of Unsupervised Machine Learning for Characterization of Physical/Chemical and Operational Features in Membrane Technology
10:30	Tauk	Alain	Comparative Evaluation of Mechanical Properties of Direct Printed Aligners and Thermoformed Aligners: Assessing the Advantages and Testing New Resins
11:00	Kataya	Ghenwa	Carbon materials (hydrochars/biochars) for energy, environmental and agronomic applications

Online Session 2, Room 4, Computer, Engineering, 9h00-13h00

9:00	Abdel Aziz	Bouchra	Exploration et Exploitation des Potentiels de Fusion Multimodale dans l'Analyse de Données Hyperspectrales et Polarimétriques grâce à l'Intelligence Artificielle
9:30	Al Zareef	Diana	Convergence result for a non-local eikonal equation modeling dislocation dynamics
10:00	Dahash	Fadhil Ketab	Development of protective shields against ionizing radiation from nanocomposite materials
10:30	Ammar	Hadi	Prediction of preterm delivery by hypergraph analysis and classification with convolutional neural networks on EHG signal
11:00	Oleiwi	Hussein	Navigate of multi sensor mobile robot mobile robot based on geographical information system.case of Iraq
11:30	Alkhazraji	Ali	DipMed: A smart approach for early Disease prediction based on patient's evolutive Medical profile
12:00	Mosa Merza	Hayder	Changes detection in aerial images with missed geographic information
12:30	Al-Kadir	Yaser	Edu4all : A smart country-wide E-education strategy as alterntive to the traditional educational method

13:00	Fahad	Fadheelah	Finding a general methodology to evaluate dynamical behavior of network structures based on micro mechanical schemes

Poster Session 1: Hall Poster, Engineering, Computer, September 18, 9h00-14h00

1	Termos	Mortada	Détection d'anomalies de sécurité dans les réseaux IoT par réseaux complexes et techniques d'IA
2	Akiki	Elissa	Identification des sources de bruit pour le controle passif des stuctures
3	Gerges	Isabelle	Formulation of 3D printed mortar mix and assessment of its performance at fresh and hardened states
4	Bassil	Lina	Analyse du comportement de poutres mixtes avec connecteurs démontables dans une approche de réemploi.
5	Assaf	Mostafa	Modélisation thermique transitoire pour la conception préliminaire des systèmes embarqué
6	Zaraket	Hawraa	Singular elastic\viscoelastic transmission problem of two wave equations coupled through kelvin-voigt dampin
7	Chawraba	Assil	Application of low-cost, low power microwave technologies for real-time detection of gravity-driven natural disasters.
8	Abboud	Aline	Gestion intelligente de l'énergie dans la ville du futur : vers une approche multi-objectifs basée sur l'apprentissage fédéré
9	Choaib	Mohammad	Une approche et un procédé basé sur les CPS (Cyber Physical Systems) et le deep learning pour la gestion du sommeil et de l'éveil: application aux courses de voiliers au large
10	Bitar	Rina	Etude de la consommation énergétique et Optimisation thermique d'une maison individuelle avec prise en compte du confort de l'usager
11	Khalil	Mai	Contribution of grammatical and lexical information to semantic categorization in Arabic in a Big Data context
12	Saliba	Adib	An Integrated Social Data Analysis with GIS to Enhance Homeland Security
13	Hemade	Hiba	Quelques problèmes de contrôle optimal pour la fabrication additive de la céramique

Poster Session 2, Hall Poster, Food Sciences, Earth Sciences, Public Health, September 18, 9h00-14h00

14	Bechara	Pamela	Development of novel protein-rich and sensory appealing bakery products using adapted autochthonous starters and legumes flours
15	Al Hosry	Rachelle	Diversité microbienne de levains boulangers autochtones libanais issus de fermentation de légumineuses et leur valorisation par l'étude de leurs propriétés technologiques et boulangères
16	Rached	Eliane	Effet du calcul mental et de la comparaison des nombres sur le control postural et la performance motrice chez des patients souffrant de troubles neurologiques
17	Makhoul	Perla	Molecular investigation of the cytotoxic and immunomodulatory anticancer effect of a member of the imiqualine family against solid and liquid tumors.
18	Mohsen	Heba	Depression among Lebanese elderly residents in long term care facilities
19	Saliba	Vincent	Predictive Criteria for postoperative pain after Oral Surgery