

LAU Research Day 2025 Posters' Session

April 30, 2025, 01:30-03:30
LAU Beirut Campus-AKSOB Area



Business

Posters' Session

Presenter	Program	Research Title
Jad Zahy Ramadan	BS in Business	AI avatars and co-creation in the metaverse
Wissam Yasser Dergham, John-Alex Samir Zalami	BS in Business	Uper Echelon Theory, Enablers, Effective Strategies, Crisis
Lynn Ali Mansour	BS in Business	ESG-Resilience Index: A Global Standardized Metric for Measuring Corporate Resilience and Sustainability
Raghad Ziad Rashed	BS in Business	Unlocking the Potential of AI in STEM Education: A Systematic Review and Meta-Analysis of Learning Outcomes and Pedagogical Impact
Selena Khaled Dakkak Chami	BS in Business	Harnessing Artificial Intelligence to Combat Corruption: Opportunities, Challenges, and Governance Implications in Lebanon

Economics

Posters' Session

Presenter	Program	Research Title
Adnan Mohammad Jameel Moumneh	BS in Economics	Healthcare and Pharmaceutical Industry in Lebanon: Report on Progress on SDG3 in Lebanon
Hadi Jihad Moursel	BS in Economics	What Determines the Probability of Job Promotion?
Razan Jamil Zwein	BS in Economics	The Impact of Female Migration on Household Dynamics and Socioeconomic Outcomes in Egypt

Posters' Session

Presenter	Program	Research Title
Reem Hamad Shehayib*	BE in Computer Engineering	Time-Domain Simulation of Nonlinear Circuits using Physics-Informed Neural Networks
Cynthia Roy Allabaky	BE in Mechanical Engineering	Application of AI imaging to optimize the micro manufacture of surface texture
Vanessa Marwan Hanna	BE in Mechatronics Engineering	Efficient Modeling and Simulation of Track-and-Hold Circuits
Mohamad Ayman Ezzeddine	BE in Computer Engineering	Enhancing Workplace Productivity Through AI-Driven Training & Development
Lourdes Elias Gerges	BE in Electrical Engineering	SLIPT-Based Hybrid VLC/RF Cooperative Communication through Harvest-Store-Use (HSU) Relays
Hassan Bassam Tfaily	BE in Mechatronics Engineering	Multi-Modal Deep Learning for Enhanced Seizure Detection: Integrating EEG and EKG Signals
Nour Tanios Mikhael	BE in Computer Engineering	State of Health Estimation of Lithium-ion Capacitors using Machine Learning
Amir Ali Amine	BE in Computer Engineering	Agentic Large Language Model Workflows for Autonomous Cyber Security Penetration Testing
Marc Antoine Farah	BE in Computer Engineering	Patient-Specific Deep Learning for Seizure Prediction: EEG-Based Modeling and Explainability
Cesar Nader Al Ayache	BS in Computer Science	CodeRealm- A Virtual Reality Application for Interactive Python Learning
Hasan Housam Eid	BS in Computer Science	Vol-Aware Energy-Efficient UAV-Assisted Data Collection Using Genetic Algorithms
Lana Zeid Saab	BS in Computer Science	The Invisible Hand: "A Machine Learning Model for Detecting Dyslexia and Facilitating the Learning Experiences"
Ghady Mounir Eid	BE in Mechatronics Engineering	Multi-Energy Domain Simulation of MEMS Devices using Modified Nodal Analysis
Jana Ahmad Rima, Sarah Nour Joseph Roukos	BE in Civil Engineering	An Agent-based Construction Bidding Framework Under a Multi-Criteria Bid Selection Approach

Posters' Session

Presenter	Program	Research Title
Zahra Shan Salem Bader	BS in Nursing	COVID-19 Risk Perceptions Among Commuters Utilizing the Lebanese Public Transportation System: A Cross-Sectional Study
Wael Mahmoud El Chaar	BS in Nursing	The Perceived Severity of and Susceptibility to COVID-19 Among Public Transportation Drivers and Commuters in Lebanon: A Cross-Sectional Study
Alaa Marwan Kamel	BS in Nursing	COVID-19 Risk Perceptions Among Public Transportation Drivers in Lebanon: A Cross-Sectional Study
Aya Marwan Bahsoun	BS in Nutrition & Dietetics	Feasting and Wasting: A Study of Food Waste Generation Before and During Ramadan in Greater Beirut
Jenifer Akram Khoneizer	BS in Nutrition & Dietetics	Impacts of social media on Eating Behaviors and Body Image among female versus male University Students
Lynn Jihad El Kurdi	BS in Nutrition & Dietetics	The Impact of Stress on Eating Habits Among College Students from different Majors
Lea Maria Imad Lahoud	BS in Nutrition & Dietetics	Impact of Stress on Eating Habits Among Male Versus Female College Students
Healn Wissam Mtanus	BS in Nutrition & Dietetics	Social Media Influence on Eating Choices in healthy versus overweight university students
Ahmad Mohammad Houssam Kaddoura	BS in Pharmacy	Phase II National Study: Job Satisfaction and Workplace Environment Among Community Pharmacists in Lebanon: Pre and Post Economic Crisis

Natural Sciences A

Posters' Session

Presenter	Program	Research Title
Perla Boutros Nafeh	BS in Biology	Urtica dioica Leaf Infusion Enhances Cisplatin-Induced Apoptosis in Ovarian Cancer Cells in Vitro
Razane Mohammed Hammoud	BS in Biology	Exploring the Mediterranean Diet Adherence Profile and its Association with Disease Severity in Individuals with Familial Mediterranean Fever
Karine Jihad El Sabeh	BS in Biology	Optimization of an SPME-GC-MS method for the determination of the chemical composition of Lavender hydrosols
Layla Samih Hassoun	BS in Biology	The effects of high voltage e-cigarette devices on cytotoxicity in vitro
Tasnim Khaled Khaled Ahmad Ibrahim	BS in Biology	Nose only e-cigarette toxicity assessment in BALBC mice
Sami Hicham Saliby	BS in Bioinformatics	Resolving Classification Gaps in Klebsiella pneumoniae Plasmids Using Comparative Analysis of MOB-typer and PlasmidFinder
Marilynn Pierre Abi Atme	BS in Biology	Environmental Stenotrophomonas maltophilia from Vegetables: A Reservoir of Resistance and Virulence
Rita Georges Rizkallah	BS in Bioinformatics	Genomic characterization of multi-drug-resistance Pseudomonas aeruginosa strains isolated from urinary tract infection patients from a tertiary care center in Lebanon
Sandra Naji Haddad	BS in Biology	Molecular Characterization of Escherichia coli from Bovine Feces Harboring mcr-1.1 on a Novel IncHI2A/FIC Plasmid
Louna Joseph El Bitar	BS in Biology	Enhancing Ovarian Cancer Treatment: The Promising Role of Flaxseed Derivatives in Augmenting Doxorubicin Cytotoxicity In Vitro
Maria Farid Abou Abdallah	BS in Chemistry	Exposure of Toxic Metals from the Consumption of Cereals
Lara Adnan Hashem	BS in Chemistry	Hydrogels for Biomedical and Environmental Applications
Sara Kamal El Hallany	BS in Chemistry, Teaching Diploma	Phthalocyanines as Aggregation Inhibitors in Drug Discovery for Neurodegenerative Diseases

Posters' Session

Presenter	Program	Research Title
Elham Shadi Diab	BS in Chemistry, Teaching Diploma	Simultaneous Method for Extracting and Quantifying Benzoic and Salicylic Acids in E-cigarettes
Lama Attallah Saadeh	BS in Chemistry, Teaching Diploma	Synthesis and Characterization of SmIG Nanoparticles Co-doped with different Elements for High Frequency Applications
Rami Ghassan Beainy	BS in Chemistry	Sustainable Water Treatment: Degradation of Organic Pollutants Using Iron-Based Nanoparticles
Kinda Jihad Abdallah	BS in Chemistry, Teaching Diploma	Phytochemical Extraction, Quantification, and Spectroscopic Analysis of <i>Platandra elegantissima</i>
Clara Samir Shayya	BS in Chemistry	Quantification of Phenolic Compounds in E-Cigarette Aerosols
Maya Rida Fadel	BS in Chemistry	On the content of Per- and Polyfluoroalkyl Substances (PFAS) in Lipsticks from the Local Market: Potential Health Hazards on the Lebanese Female population
Anthony Maroun Sokhn	BS in Chemistry	The Photochemistry and Potential Copper Sensing Ability of Ru(II) Complex Bearing 2,5-diamino-1,4-benzoquinonediimine Ligand.
Chris Wissam Abou Jaoude	BS in Biology	Investigation of the potential therapeutic effect of 1,8-cineole on acute myeloid leukemia
Joe Gaby Bou Gharios	BS in Biology	1,8-cineole: A potential chemotherapeutic agent against breast cancer in vitro and in vivo
Saba Youssef Al Alam	BS in Biology	Therapeutic effect of 1,8-Cineole against high fat diet-induced metabolic syndrome in rats
Roudy Georges Bou Francis	BS in Bioinformatics	Exploring the Druggability of CCN1: In-Silico Investigation of Potential Therapeutic Targets
Omar Ziad Naja	BS in Bioinformatics	Machine Learning-Based Computational Ligand Screening for the Sigma-2 Receptor
Khadija Mohamad Nour Alabed Allah	BS in Chemistry	Detection and Quantification of Polycyclic Aromatic Hydrocarbons (PAHs) Levels in Black and Green Tea in Lebanon
Clara Tanous Al Akoury	BS in Chemistry	Carcinogenicity and Neurotoxicity of Dietary Acrylamide in Breakfast Cereals Marketed in Lebanon and the UAE

Posters' Session

Presenter	Program	Research Title
Talia Raed Wehbe	BS in Chemistry	Molecular Interactions Between Cyclic di-nucleotides and PstA Protein in Bacterial Signal Transduction
Pia Georges Khattar	BS in Chemistry	Pharmaceutical By-products Contamination in Surface Water
Moustafa Abdel Rahman Ammar Baroudi	BS in Chemistry	Optimization of a detection method for atmospheric microplastics using On-line Proton Transfer Reaction- Time of Flight - Mass Spectrometry
Andrew Antoine Semaan	BS in Chemistry, Teaching Diploma	Are Green Spaces an Effective Way to Remove Air Pollution in Urban Area of Beirut, Lebanon
Raghid Chawki Hassan	BS in Chemistry	Determination of Nicotine in Electronic Cigarettes Using GC-MS Analysis and the Emission of Toxicants.
Youssef Ali Harb	BS in Chemistry	Uncovering the Dual Effect of Menthol and Nicotine Levels in Electronic Nicotine Delivery Systems on Pulmonary Surfactant Function
Lana Mahmoud Sidani , Fatima Ali Sharara, Jana Mohamad Tfaily	BS in Biology	Digital Psychiatry: Opportunities, Challenges, and Future Directions
Alaa Ramzi El Moghrabi , Marylouise Salim Kayal	BS in Biology	The emerging role of artificial intelligence in the diagnosis and treatment of autism spectrum disorder and attention-deficit/hyperactivity disorder
Alex Vahe Nazaret Aprahamian	BS in Biology	When Chemo Accelerates Aging: The Mystery of Senescence in Breast Cancer
Mariam Moustafa Dakramanji	BS in Biology	Senescence Pathway Analysis and Therapeutic Hub (SENPATH): In Vitro Platform to Study and Fight Cellular Aging
Ariana Khajak Papazian	BS in Chemistry	Computational study of geometric, electronic, and optical properties of organic compounds for fluorescence probe applications
Marc Rajeh Ayoub	BS in Biology	Lung Aging and Fibrosis: The Unexpected Consequences of Chemotherapy
Dea Walid Karam	BS in Bioinformatics	Exploring GSK3 β Inhibitors Through Bioinformatics: Implications for Type 2 Diabetes and Alzheimer's Disease
Joe Chucri El Hage	BS in Biology	Assessing awareness of danger signs of pregnancy and its associated factors among pregnant women in Libya: A cross-sectional study

Social Sciences and Humanities A

Posters' Session

Presenter	Program	Research Title
Jana Julie Hussein Basma	BA in Psychology	Gender Differences in Self-Esteem and Stress Levels Among College Students in Lebanon
Lana Mahmoud El Zein	BA in Psychology	Reconstruction for Reconciliation: A Gendered Framework to Post Conflict and Post Oppression Peace-building
Aseel Jamal Soboh	BA in Political Sc/Int. Affairs	Arab-Israeli Normalization: Examining Peace Agreements in a Changing Middle East
Rami Jihad El Assaad	BA in Psychology	Lost in the Sauce: Navigating BDSM's Subspace
Abdallah Thabet Almomani	BA in Communication	Imane Khelif: An Intersectional Approach to Online Harassment
Leen Ali Baddour	BA in Psychology, Teaching Diploma	The Moderating Role of Social Anxiety in the Relationship Between Perceived Parenting Styles and Eating Disorders Among Young Adults Aged 18-25 in Lebanon: A Cross sectional Study
Mariam Ibrahim Nassar , Diana Ibrahim Homsj, Pamela Pierre Gemayel	BA in Translation	Artificial Intelligence and Lebanese Dialect in Audiovisuals: Analysis of an AI Translation vs. a Human Translation
Lara Mohammad Younis , Maha Samer Khazna	BA in Translation, BA in English	A Woman Rewritten: On the Reconstruction of Kamila's Character in the Translation of Hanan Al Shaykh's "Ḥikāyatī Sharḥun Yaṭūl"
Abir Abbass Fakih	BA in Psychology	Social media as a refuge: Exploring the link between social media, escaping reality and depression, anxiety and stress.
Lyne Haissam El Masri, Jana Makram Bou Kamel , Adona Mahmoud Hammoud	BA in Translation	War Through Words: A Linguistic Analysis of Arabic and Western News Coverage on the War in Gaza

Social Sciences and Humanities B

Posters' Session

Presenter	Program	Research Title
Ghadir Maher Arbid	BA in Political Sc/Int. Affairs	Balancing power in the UNSC: The question of a collective veto review
Elise Monzer Nasrallah , Nala B. Koleilat	BA in English	Gendered Media Discourse in Gender-Neutral Speaking Countries: The Case of Finnish and Korean
Rym Adnan Badran	BA in Political Sc/Int. Affairs	Beyond Peace Agreements: The Gaps in Transitional Justice Processes Pulling Divided Societies into Relapse
Mariam Layth Yahya	BA in English	Gendered Language and Sociolinguistic Colonial Influence: A Comparative Study of Lebanese and Iraqi Arabic
Sam Maher Chaaban , Rita S. Alawieh	BA in Psychology	Gendered language and androcentric honor charters: Virtue or notoriety?
Sereina Ibrahim Khalife	BA in Political Sc/Int. Affairs	The Evolution of Warfare from conventional to a digital battlefield: An analysis of Cyber technology and Artificial intelligence in the Lebanese-Israel Conflicts
Yara Youssef Hussein	BA in Psychology	College Student Subjective Well-Being: The Relationship between Childhood Trauma and Depression, Anxiety, and Stress with the Mediating Role of Self-Compassion
Nagham Youssif Kamaledine	BA in Psychology, Teaching Diploma	Impact of religious commitment on identity development across different religions in the Lebanese population aged 18 to 25
Lea Mohamad Al Hakim	BA in Psychology	The Influence of Attachment Security on Gamophobia and the Moderating Role of Emotional Regulation among Lebanese Adults
Jessica Shadi Saab	BA in Psychology	The Association Between Parenting Styles and Eating Behaviors in Young Adults Aged Between 18-25 in Lebanon: Exploring the Mediating Role of Social Belonging and Body Image Concerns
Sara Kassem El Izzi	BA in Psychology	Exploring the Effect of Mentalization on Communication Apprehension: The Role of Interpersonal Communication and Gender
Renee Mohamad Ouslati	BA in Psychology	The Mediating Role of Attachment Style in the Relationship Between Trauma, Stress, and Mentalization Among Parents in Lebanon During Wartime: A Cross-Sectional Study.

Leen Ibrahim ElSayyad	BA in Psychology	The Association Between Spirituality and Religion Practiced during the Fall 2024 War and the Current Mental Health of Individuals Aged 18-25 Mediated by Coping Mechanisms: A Cross-Sectional Study
Chakib Yihya Jomaa El Azanki	BA in Psychology	The Effect of AI-Assisted Decision-Making on User Emotional Engagement Moderated by Attachment Styles & Trust in AI Among Young Lebanese Adults
Yara Ali Abd AlSater	BA in Psychology	Between Crisis and Identity: How Cumulative Stressors Shape Mental Health and Functioning in Lebanese Emerging Adults