

LAU Research Day 2026 Posters' Session

April 30, 2026, 01:30-03:30
LAU Byblos Campus, Frem Multipurpose Room

Business

Posters' Session

Presenter	Program	Research Title
Lana Moustafa Shaaban - Lara Faour	BS in Business	Strategic Planning Renewal without Reboot: Through a Frame-Engine-Rhythm Model
Nadia Mohamad Abou Hussein	BS in Business	Artificial Intelligence and Gender Inequality in Entrepreneurship: A Systematic Literature Review
Maya Nayef Al Hassanieh	BS in Business	Nostalgia or Ideology? How AI-Amplified Nostalgia Marketing Shapes Brand Loyalty under Ideological Misalignment among Gen Z

Engineering and Technology

Posters' Session

Presenter	Program	Research Title
Charbel Maurice Karam	BE in Mechanical Engineering	Numerical Simulation of Shrubland-Fire Spread: A Parametric Study
Charbel Youssef Farhat	BE in Mechanical Engineering	Effectiveness of Fuel Reduction Against Surface Fire Propagation
Maroun Emile Eid- Charbel Kaddoum	BE in Computer Engineering	Achieving Full Power-Supplied Relay Performance with Hybrid Power-Supplied and Energy-Harvesting Relays
Samir Jacques Daou	BE in Chemical Engineering	Strain-Induced Band-Gap Transitions in Hexagonal Boron Nitride
Anita Andre Massoud, Kiryl Irani, Roy El Khoury, Jean-Paul Bou-Assaf	BE in Mechanical Engineering	Theoretical and computational characterization of the mechanical properties of 2D material heterostructures
Hassan Zouheir Bitar	BE in Mechatronics Engineering	Time-Varying Robust Sampled-Data High-Order Control Barrier Functions with Variable Sampling
Ali Houssam Sleiman	BE in Electrical Engineering	A Novel Impedance Modeling Approach for Energy Storage Systems
Wajih-Georges Dani El Tayar, Nancy Zayour	BE in Mechatronics Engineering	Beyond Torque: Battery-Aware Reinforcement Learning MPC for Energy Efficient Representation-Free Quadruped Locomotion
Nour Tarek Doughan	BE in Chemical Engineering	A mechanistic model of phloem transport with concentration-dependent sugar sinks
Kevin Wassim Aoun, Charbel Al Bateh	BE in Mechatronics Engineering	Quantum Deep Learning: Data Compression Across Modalities
Bader Ahmed Damaj	BE in Mechanical Engineering	Revisiting Optimal Sugar Transport in Plant Phloem
Christophe Lebnen Abboud	BE in Mechanical Engineering	3D-Printed Soft Sensors Empowered by Augmented Reliability for Rehabilitation Applications
Razan Mohamad Hmede	BE in Mechatronics Engineering	Contact-Only Probabilistic SLAM for Quadruped Robots via Active Leg Probing
Karen Samir El Khoury	BE in Civil Engineering	Soil Improvement through Mixed Culture Microbially Induced Calcium Carbonate Precipitation (MICP)

Health Sciences

Posters' Session

Presenter	Program	Research Title
Patil Joseph Assadourian	BS in Nursing	Knowledge, Perceptions and Uptake of Ashwagandha Products Among Sportspeople: a cross sectional study from Lebanon
Leen Moeen Ghannam	BS in Nursing	Production and Evaluation of an Evidence-based Health Awareness Video on Precautionary Measures Against Respiratory Infectious Diseases: A Randomized Controlled Trial on Public Transportation Drivers (HAV-RID Study)
Maha Omar Mansour	BS in Nursing	Cleaning and Disinfecting Public Transportation Vehicles Against Respiratory Infectious Diseases: A Cross-Sectional Study
Arwa Bassam Darwich	BS in Nursing	Exploring risk perceptions of airborne respiratory infectious diseases among university students using the public transportation system
Mariam Ali Al Flity, Lyllaf Youssef, Malak Al Toryaki	BS in Nursing	Smoking and Obesity among Public Transportation Drivers in Lebanon
Rhea Zaki Balka	BS in Nutrition & Dietetics	Acrylamide Reduction in Starchy Foods
Aya Imad Al Tabesh	BS in Nutrition & Dietetics	Nutritional Status of Chemo-naïve Individuals with Stage IV Colorectal Cancer in Lebanon: A Preliminary Analysis
Aya Issam Ghamloush	BS in Nutrition & Dietetics	Validated Dietary Assessment Tools in the MENA Region: A Preliminary Analysis
Leen Mohamad Alaa Eddin	BS in Nutrition & Dietetics	Cultural Adaptation of the Traqq Dietary Assessment App in Lebanon: A Preliminary Analysis
Batoul Hussein Khalil	BS in Nutrition & Dietetics, BA in Psychology	The Relationship between Breakfast Nutrient Composition and Academic Self-efficacy & Motivation: The Role of Anxiety & Depression
Donia Mohamad Yassine	BS in Nutrition & Dietetics	Evaluating Food Safety Practices in Correctional Facilities in Lebanon

Natural Sciences A

Posters' Session

Presenter	Program	Research Title
Zahraa Srour	BS in Chemistry	From Waste to Soil Fertility: Nutrient Recovery Efficiency and Biological Enhancement in Manure-Food Waste Amended Soils
Moustafa Abdel Rahman Ammar Baroudi	BS in Chemistry	Secondary Organic Aerosol Formation from Daytime and Nighttime Oxidation of PAHs, Phenols, and Precursor Mixtures.
Reem Walid Barakji	BS in Biology	Perception of teaching effectiveness in undergraduate Biology courses: comparison between lecture-based, blended, and flipped classroom
Raffi Vicken Yeznig Agochian	BS in Biology	Genomic and Phenotypic Analysis of Recurrent <i>Candida albicans</i> Infections from Lebanese Patients Reveals Patterns of Microevolution and Reinfection
Nicolas Johnny Constantinidis	BS in Biology	Integrated Genomic, Phenotypic, and In Vivo Virulence Characterization of Clinical <i>Candida albicans</i> Lebanese Isolates Reveals Divergent Virulence and Antifungal Resistance Strategies
Kevin Jean Chaar, Ghady Abou Tayeh, Margret Ziadeh	BS in Biology	Shotgun Metagenomic Characterization of the Bovine Fecal Microbiome and Resistome in Lebanese Cattle: Health Status, Antibiotic Exposure, and One Health Implications
Hussein El Hussein	BS in Bioinformatics	Comparative evaluation of MOB-Typer rep_cluster and PlasmidFinder incompatibility typing in <i>Klebsiella pneumoniae</i> : concordance, phylogenetic validation, and pangenome characterization of plasmid diversity
Heros Ardzev Jirair Batouzian, Tia Clara Chaaya	BS in Biology	Whole-Genome Sequencing of Clinical <i>Brucella melitensis</i> from Lebanon: Phylogeographical Structure and Genomic Characteristics
Christina Imad Bou Harb	BS in Biology	Whole-Genome Sequencing of Clinical <i>Staphylococcus aureus</i> Isolates from Lebanon: Resistance Profiles, Virulence Determinants, and Phylogenetic Structure
Oula Mahmoud Mehdi	BS in Biology	Quantifying Refractive Index Changes and Detection Limits of Sugar Derivatives Using SPR
Ariana Khajak Papazian	BS in Chemistry	Computational exploration of Isoindigo compounds toward fluorescence probe applications

Natural Sciences B

Posters' Session

Presenter	Program	Research Title
Andrew Antoine Semaan	BS in Chemistry, Teaching Diploma	Flavor Categories Shape the Toxicant Profile Emissions in Disposable E-Cigarettes
Abraham Jean Yazbeck	BS in Biology	PEGylated Vitamin E: Decoding the molecular pathways in triple-negative breast cancer cells in vitro
Aziz Joseph Habib	BS in Biology	The role of flax seed derivatives in promoting doxorubicin cytotoxicity in ovarian cancer cells
Mirella Moussa Mekdad	BS in Chemistry	Exposure to Forever Chemicals from Rice Consumption
Eddy Georges Jean Nassif	BS in Biology	Modulation of Stress-Induced Behavioral Alterations by <i>Ruta graveolens</i> in a Chronic Social Defeat Stress Model
Mery Charbel Matta	BS in Biology	<i>Ruta graveolens</i> Enhances Spatial Learning and Memory in Mice
Karine Jihad ElSabeh	BS in Biology	Investigation of the Chemical Composition and Anti-Cancer Potential of Floral Hydrosols
Jean Fadi Fakhoury	BS in Biology	Phenotypic and Genomic Characterization of Clinical <i>Stenotrophomonas maltophilia</i> Isolates: Antimicrobial Resistance, Virulence Determinants, and Sequence Type Diversity
Anthony Naji Haddad- Farah Abi Tayeh- Elias Al Nacouzi	BS in Biology	β -Lactam-Resistant <i>Escherichia coli</i> , <i>Klebsiella pneumoniae</i> , and <i>Acinetobacter pittii</i> from Fecal-Contaminated Agricultural Soils in Lebanon: Genomic Characterization and One Health Implications
Issam Fawaz Mahfoud	BS in Biology	The anti-proliferative Effects of PEGylated- α -tocopherol in breast cancer cells in vitro
Toni Elie Nmeir, Yara Daccache	BS in Biology	Whole-Genome Sequencing and Comparative Analysis of <i>Citrobacter</i> spp. from Human Bloodstream Infections and Bovine Feces in Lebanon: Resistance Mechanisms and Plasmid Diversity

Natural Sciences C

Posters' Session

Presenter	Program	Research Title
Anthony Lotfi Ibrahim	BS in Biology	Colistin Resistance Induction in <i>Klebsiella pneumoniae</i> : Genomic Characterization and Phenotypic Adaptation
Joya Maria Antoine Mrad	BS in Biology	The Therapeutic Impact of PT(IV)P-PENT and PT(IV)P-HEX on Acute Myeloid Leukemia in vitro and in vivo
Marc Antoine Moussa	BS in Chemistry	Synthesis and Biological investigation of Platinum Complexes
Elie Georges Al Aaraj	BS in Biology	Public Health in Times of War: Linking Psychological Trauma, Physical Health Outcomes, and Drinking Water Hardness in Lebanon
Sami Hicham Saliby	BS in Bioinformatics	Effect of Calcination Temperature and Nanoparticles Size on the Mechanical and Cytotoxic Properties of Zinc Oxide Nanoparticles for Dental Fillings
Raghd Yasser Bou Karroum	BS in Biology	Influence of Concentration and Composite Ratio on the Anticancer Activity of ZnFe ₂ O ₄ Nanoparticles and ZnFe ₂ O ₄ /Prussian Blue Nanocomposites
Jack Abdallah Metri	BS in Biology	Evaluation of the Toxicity and Synergistic Effects of Novel Platinum(IV) Complexes P-HEX, P-DEC, and P-DEC(MONO) Combined with Cisplatin in Triple-Negative Breast Cancer
Aya Maria Hadi Charara, Audrey Sawaya	BS in Biology	Meta-Analysis of Senescent Cell Transcriptomes Identifies Common and Specific Features of Distinct Senescent Phenotypes: A Tool for Developing New Senotherapeutics
Ghida Bilal Abou Zaher	BS in Chemistry	Phthalocyanine-Based Strategies for Drug Discovery in Alzheimer's Disease
Anthony Youssef Choufani	BS in Chemistry	Optimization of Bioactive Compound Extraction from <i>Salvia officinalis</i>
Jinane Mohamad El Dawud	BS in Chemistry	Advances in ICP-MS Techniques for Microplastic Detection in Complex Aqueous Systems

Social Sciences and Humanities A

Posters' Session

Presenter	Program	Research Title
Nala Bilal Koleilat	BA in English	Forging the Third Eye: Transculturation and the Aesthetics of Seeing in Orhan Pamuk's My Name Is Red
Asmaa Abd Al Mohti Al Masri	BA in Psychology	Social Engagement as a Predictor of Life Satisfaction Among Syrian Youth
Jad Tarek Abi Farraj	BA in Psychology	The Cognitive Impact of Artificial Intelligence.
Cynthia Nader Fayssal	BA in Psychology	Language Entropy, Epistemic Flexibility, and Social Openness Among Lebanese Adults: A Cross-Sectional Multilingual Study
Mahmoud Rabih Kobtan	BA in Psychology	Psychedelic use and mental Health Outcomes in Lebanon: The mediating Role of Surrender and Psychological Integration
Leen Zouhair Atieh	BA in Psychology	The Relationship Between Imposter Syndrome and Emotional Exhaustion in Lebanon Across Levels of Self-Esteem and Perceived Social Support
Ghina Makram Bou Kamel	BA in Psychology	The Influence of Attachment Style on Young Adults' Psychological Resilience with Self-compassion and Self-esteem as Mediators and Gender as a Moderator
Nathalie Jihad Zeayter- Farah Mohamad Kilani	BA in Psychology	"The Mediating Roles of Resilience and Emotional Suppression in the Relationship Between Perceived Stress and Daily Functioning Among Lebanese Adults"
Sam Maher Chaaban	BA in Psychology	The Age of Main Character Syndrome: Scale Development, Personality Correlates, and Social Media's Influence

Social Sciences and Humanities B

Posters' Session

Presenter	Program	Research Title
Sandy Samer El Sawah	BA in Psychology	Parental Incarceration and its Long-term Impact on Depression and Criminal Behavior in Lebanon: A Mixed-Methods Comparative Study
Tony Manuel Alexander Robert Shadi Aramouny	BA in Psychology	The Effect of Virtual Reality Training on Sports Performance and Resilience in Student-Athletes.
Sandra Anwar Farhat	BA in Psychology	The Mediating Role of Perceived Stress Between Body Image Dissatisfaction and Cognitive Performance in Lebanese Women of Reproductive Age with PCOS: A Cross Sectional Study
Danielle Rafik Mikhael	BA in Psychology	Emotional Dissonance and Its Psychological Impact on University Students
Cynthia Charbel Aoun	BA in Psychology	Attentional Bias to Emotionally Salient words: Investigating Associations with Anxiety, Depression and Trauma symptomatology using the Dot-Probe Task
Celena Fouad Azzi	BA in Psychology	The Relationship Between Body-Focused Repetitive Behaviors (BFRBs) and Life Satisfaction Among Lebanese University Students: The mediating role of Automatic Thoughts.
Aya Ali Ballout	BA in Psychology	Effects of Positive Psychological Interventions on Hope and Optimism Among Elementary School Students: The Mediating Role of Self-Esteem and the Moderating Role of Teacher Support.
Talia Spiridon Kahwaji	BA in Psychology	The association between attitudes towards mental health and discriminatory intentions: the mediating role of stereotypes
Emma Maroun Chakkour	BA in Psychology	The Relationship Between Death Anxiety and Political Radicalism, with the Mediating Role of Existential Isolation within the Lebanese Context.

Honors Presentations

Presenter	Program	Research Title
Tala Emile Tabet	BA in Psychology	The Refugee Context: Examining the Return of Syrian Prisoners from Lebanon to Syria
Malak Bilal Hachicho, Maryam Ghader, Lydia Bouezzeddine	BA in English	Trial, Uncuffed: the Prolonged Struggle of the Former Inmate in Free Society
Louna El Mustapha	BA in Psychology	Public perception and reintegration: Perspectives of the Lebanese people on prisoners
Rita Salah Alawieh, Lynne El Tannir, Sandy El Sawah	BA in Psychology	Mental Health of Prisoners and their Families in Lebanon
Serge Joseph Nohra	BA in Political Sc/Int.Affairs	Student Housing Conditions and Academic Stability: A Mixed-Methods Study of Affordability, Quality, and Stress in Lebanese University Contexts
Suha Hussein Mortada Dit Sayed	BA in Political Sc/Int.Affairs	Media Coverage of Lebanese Prisons: Patterns of News Dissemination
Fatima Nabil Amhaz, Aya El Kaderi, Serena Najem Mezher	BA in Psychology	Imprisonment in Lebanon: Impact on Women's Reproductive and Maternal Health
Mariam Khaled Bairakdar	BS in Biology	Beirut Smart Parking: A Mixed-Methods Analysis of Public Acceptance, User Experience and Communication Strategies
Mariya Issa	BS in Biology	Public Perceptions of a Toll-Based Public-Private Partnership on the Byblos–Beirut Highway
Adel Malek Ayoub, Abbas Safar, Jasmine Rabah, Nada Nashawati, Sami Saliby, Stephanie Matta	BS in Biology	Locked Out of Opportunity: Challenges Facing Skill Development in Lebanese Prisons
Loulwa Mohammad El Kilani, Jad Bou Reslan, Rafi Daou, Martin Filfli	BS in Bioinformatics	Juveniles Behind Bars: Punished or Rehabilitated?
Gaëlle Roger Younes	BS in Business	LOCKED IN DELAY: How Judicial Dysfunction and Digital Gaps Drive Overcrowding in Lebanese Prisons
Michele Houayek	BS in Biology	Municipal Governance Capacity and Safety Outcomes in Mandatory Public School Transportation Systems: A Mixed-Methods Study