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The Holy Spirit University of Kaslik (USEK) cordially invites you to

Doctoral Studies Days Middle East Edition

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May 21–23, 2025



USEK

COLLEGE OF
DOCTORAL STUDIES

Wednesday, May 21

Program

1:00–2:00 PM **Registration**

2:00–2:30 PM **Opening Ceremony**

Prof. Ranya Salameh, Dean of the College of Doctoral Studies, USEK

Rev. Fr. Talal Hachem, President of USEK

H.E. Prof. Tamara El Zein, Minister of Environment.

H.E. Dr. Nizar Hani, Minister of Agriculture.

Masters of Ceremony Ms. Sitrida Beaino (MTV) and Dr. Rabi Nabhan (USEK)

2:30–3:45 PM **Session 1: Agriculture and Environmental Sustainability**

Chair: Prof. Richard Maroun, USJ – Lebanon

Co-Chair: Prof. Lara Hanna Wakim, USEK – Lebanon

Presentation 1: A Highly Efficient Iron Doped UiO-66 for Rapid Removal of Tetracycline Antibiotic from Water
Ghadeer Jaloul, AUB – Lebanon

Presentation 2: Microplastic Inputs to the Mediterranean Sea During Wet and Dry Seasons: the Case of Two Lebanese Coastal Outlets
Rosa Sawan, CNRS-L – University of Littoral Côte d'Opale, Lebanon–France

Presentation 3: Perception locale de la foresterie urbaine dans la commune de Mbour, Sénégal
Papa Diène Faye, Senghor University of Alexandria – Egypt

Presentation 4: Training Program in Environmental Education/Secondary Schools
Nada Bouhamdan, LU – Lebanon

Presentation 5: Effect of Nanoparticles on In Vitro Propagation and Secondary Metabolite Profiling in the Endangered Wild *Origanum petraeum* Danin
Tamara Al Qudah, University of Jordan – Jordan

Jury Members:

H.E. Prof. Tamara El Zein, Minister of Environment ,H.E. Dr. Nizar Hani, Minister of Agriculture, Prof. Antoine Al Samarani (UA), Dr. Carla Khater (CNRS-L), Dr. Wadih Skaff (USJ), Prof. Nabil Nemer (USEK)

4:00–5:00 PM **Session 2: Health and Medical Sciences**

Chair: Prof. Georges Nemer, Hamad Bin Khalifa University – Qatar

Co-Chair: Dr. Elissar Hayek, USEK – Lebanon

Presentation 1: Imiqualine Family: A Promising Class of Drugs with Enhanced Anti-Parasitic Activity
Sana El Sayyed, AUB – Lebanon

Presentation 2: Déterminants de la double charge de la malnutrition chez les enfants de moins de cinq ans à Djibouti
Hassan Abdourahman Awaleh, Senghor University of Alexandria – Egypt

Presentation 3: Food Hypersensitivity: Distinguishing Allergy from Intolerance, Main Characteristics, and Symptoms; a Systematic Review
Gregory Hage, USEK – Lebanon

Presentation 4: Les facteurs associés à l'hésitation vaccinale en Afrique au sud du Sahara
Amadou Tila Kebe, Senghor University of Alexandria – Egypt

5:15–6:30 PM Session 3: Health and Medical Sciences

Chair: **Prof. Tarek Ghaddar**, AUB – Lebanon
Co-Chair: **Dr. Jithesh Veettil**, Hamad Bin Khalifa University – Qatar

Presentation 1: Investigating the Impact of BTK Inhibitors on CA1 Pyramidal Neuron Firing Patterns in an EAE Model of Multiple Sclerosis
Elias Antoun, AUB – Lebanon

Presentation 2: Mapping the Circular RNA Landscape in Breast Cancer: Highlighting Their Prognostic and Therapeutic Potential
Dania Awata, Hamad Bin Khalifa University – Qatar

Presentation 3: Electrophysiological Characterization of the Mutations Behind Sudden Cardiac Arrest in Young Lebanese Patients
Myriam El Haddad, AUB – Lebanon

Presentation 4: Changes in the Intrinsic Properties of Corticomotor Neurons of Mice Exhibiting TDP-43 Accumulations Associated with ALS
Reem Debian, AUB – Lebanon

Presentation 5: Radiobiology of Image-Guided Radiotherapy: In Vitro Impact of Computed Tomography on the Radiosensitivity of Lung Cancer
Rana El-Hassan, AUB – Lebanon

Jury Members: **Prof. Jocelyn Dejong (AUB)**, **Prof. Naseem Fares (USJ)**, **Prof. Raghida Abou Merhi (LU)**, **Prof. Ziad Sleiman (HLG-LU)**, **Prof. Walid Hleihel (USEK)**, **Prof. Raghid Khoury (NDS-USEK)**

9:30–10:45 AM **Session 4:** Education

Chair: Rev. Prof. Wadih Skayem, LU – Lebanon
Co-Chair: Dr. Linda Maloul, Effat University – KSA

Presentation 1: Plurilingualism and Translanguaging in FLE: Pedagogical Approaches to Promote the Teaching of French in Greece
Eftychia Kelianopoulou, University of Cyprus – Cyprus

Presentation 2: Artificial Intelligence System Based on Multiple Intelligence for Cycle I Students: Design, Application, and Study of Its Effect on Cognitive Ability
Amena Allouch, USEK – Lebanon

Presentation 3: Exploring the Association of Perceived Interpersonal Competence in Nurses and Competency-Based Nursing Programs: A Mixed Methods Study
Shams Issa, AUB – Lebanon

Presentation 4: Application of Bandura's Model to Evaluate a Simulation-Based Training Program for Medical Interns
Maher Abdessater, USEK – Lebanon

Presentation 5: Rethinking Arabic Alphabet Instruction: A Comparative Study of Learning Strategies for Non-Native Speakers
Younna Chami, USEK – Lebanon

Jury Members: Prof. Shereen Kakish (University of Jordan), Dr. Rima Mattar (USEK), Prof. Rima Mawloud (UL), Dr. Mireille Riachi (Balamand), Dr. Rima Soueidi (USEK)

11:00 AM–12:15 PM **Session 5:** Languages, Translation, and Communication

Chair: Prof. Nahed Emaish, University of Jordan– Jordan
Co-Chair: Prof. Hayssam Kotob, LU – Lebanon

Presentation 1: Le culturel dans les œuvres de Mohamed Moussa. Traduction et étude analytique
Salma Mohamed Mahmoud Moussa, Ain Shams University – Egypt

Presentation 2: Cultural Identity and Social Advocacy Rhetoric: The Palestinian Cause Through a Socio-Cognitive Lens
Rima Malkawi, University of Sharjah – UAE

Presentation 3: Revitalizing Verbal Interactions: A Multidisciplinary Intervention to Alleviate Negative Language in University Communication
Manal Ahmad, USEK – Lebanon

Presentation 4: Analyse du discours humoristique dans le one-man-show
Sara Fouad Aboubakr, Ain Shams University – Egypt

Presentation 5: الفكاهة كلفة خطاب وتشكلها كأدب فكاهي، المقامات أنموذجاً
Hamda Alawadhi, University of Sharjah – UAE

Jury Members: Dr. Linda Maloul (Effat University – KSA), Prof. Nicole Chalhoub (USEK), Dr. Rima Bahous (LAU), Dr. Gisèle Al Riachi (LU), Dr. Marianne Noujaim (USJ), Dr. Maya El Hajj (NDU)

12:20–1:30 PM USEK Archeological Museum Guided Tour and Lunch

1:30–2:30 PM Session 6: Posters in Humanities

Category 1:

Languages

- Teacher and Student Perspectives on AI in the Foreign Language Classroom: A Thematic Review, **Maria Kadi**, USEK – Lebanon
- Does Translanguaging Shape Attention? A Study on the Cognitive Side of Language Mixing, **Ghadir Soueidan**, USEK – Lebanon

Education

- Simulation Training of Surgical Interns Based on Kolb's Learning Cycle: A Multilevel Assessment Study, **Maher Abdessater**, USEK – Lebanon
- Amélioration de l'apprentissage des élèves autistes: Élaboration d'un site Web de soutien, **Jessica Zoghby**, USEK – Lebanon
- L'évolution de l'école vers l'inclusion scolaire: Différentes approches éducatives et innovation institutionnelle, **Nicole Issa Hajj**, USEK – Lebanon

Psychology and Sociology

- Exploring, Characterizing, and Conceptualizing Brownout Among Nurses: A Mixed Method Study Using Grounded Theory and Survey Research, **Roula Shehadeh Joudi**, AUB – Lebanon
- Brands as Catalysts for Women Empowerment in the Lebanese and Saudi Societies, **Salma Kabbara**, LU – Lebanon

Cinema and Television

- Exploration du cinéma libanais contemporain à travers les narrations fragmentées de l'histoire du Liban, **Michael Issa El Helou**, USJ – Lebanon

Category 2: Economics and Business Sciences

- Analyse de la contribution des organisations de développement à l'entrepreneuriat social pour la résilience socio-économique en période de crise, **Sylva Harb**, LU – Lebanon
- The Influence of AI on the Quality and Performance of Accounting Information Systems and Precision of Reporting of Financial Data, **Jean Elia**, **Mireille Karam**, **Joseph Serghani**, LU – Lebanon
- Facteurs déterminants de la compétitivité des échanges extérieurs au Liban, **Tania Mallo**, LU – Lebanon
- La viabilité des startups féminines dans un Liban en crise, **Amal Torbey**, USJ – Lebanon

Category 3: Law and Political Science

- Multinational Companies Acts under the Regulations of Modern Laws
Rudaina Muhtar, LU – Lebanon
- Smart Contracts on Ethereum Blockchain, **Hadil El Haje Ismail**, LU – Lebanon
- Environmental Security in the Context of Adaptation and Climate Change,
Mariam Khachouf, LU – Lebanon
- International Humanitarian Law Towards Artificial Intelligence in Armed Conflicts,
Bassem Abboud, LU – Lebanon
- La justice internationale comme facteur de paix ou une arme politisée: La corrélation entre paix et justice, **Rania El Hindy**, LU – Lebanon
- Civil Society & Human Rights, **Mona Faysal Tohme**, LU – Lebanon
- التعاقد بغير العملة الوطنية تحريراً وإيفاءً, **Elie Gebrayel**, LU – Lebanon
- بشرط حسن السيرة والسلوك فى الوظيفة العامة/ رؤية تحليلية نقدية **Ali Aljefairi**, University of Sharjah – UAE
- نظام الشركات السعودي كنموذج للتهجين القانوني: بين مرجعية الشريعة وتحديات الشركات العائلية
Nada Baraké, USEK – Lebanon

Jury Members:

Category 1: Prof. Tahany Youssef (Ain Shams University), Prof. Philippe Wellnitz (Montpellier University), Prof. Hayat El Khatib (AOU), Dr. May Akl (NDU), Dr. Stephanie Jabre (USJ), Prof. Elsa Ghossoub (LU)

Category 2: Dr. Ursula Hage (USJ), Dr. Alain Osta (Sagesse), Dr. Nancy Saliba (ACIE–USEK), Dr. Walid Marrouch (LAU)

Category 3: Dr. Nadine Najem (USJ), Dr. Yasmina Malek (Sagesse), Dr. Céline Baaklini (USEK), Dr. Haïssam Fadlallah (LU), Dr. Bechara Karam (USEK), Prof. Laurent Sermet (Université Française d’Egypte)

1:30–2:30 PM Session 7: Posters in Sciences

Category 1: Applied Sciences & Technology

- Enhancing Neuronal Modeling: A Modified Hodgkin-Huxley Approach for Ion Channel Dynamics, **Batoul Saab**, AUB – Lebanon
- Rewiring the Network: Computational Modeling of Neural Sequence Generation in the Premotor Cortex, **Fatima Dia**, AUB – Lebanon
- Biophysical Network Modeling of Temporal and Stereotyped Sequence Propagation of Neural Activity in the Premotor Nucleus HVC, **Fatima Fneich**, AUB – Lebanon

Category 2: Basic/Fundamental Sciences

- Evaluation of the Antineoplastic Effects of Imipridone Derivatives in Prostate Cancer: Novel Therapeutic Opportunities, **Fatima Ghamlouche**, AUB – Lebanon
- The Paradox of Individual Branched-Chain Amino Acids: Identical Metabolism, Yet Distinct Effects on Energy Balance! **Layal Jaafar**, AUB – Lebanon
- The Effects of Endosomal Toll-Like Receptor 9 Inhibition in an EBV DNA-Exacerbated Rheumatoid Arthritis Mouse Model, **Nour Sherri**, AUB – Lebanon
- Deciphering the Role of CLIPA14 and CTL4 in the Melanization of Late Stages of P. Berghei Infection in A. Gambiae, **Suheir Zeineddine**, AUB – Lebanon
- Investigating the Role of Copper in HT-29 CRC Cell Lines under the Effect of Thymoquinone, **Diana Ismail**, AUB – Lebanon

Category 3: Health and Medical Sciences

- Bacterial Infection and Antibiotic Susceptibility Patterns in Surgical Site Infections in Lebanon, **Inass Kawtharani**, LU – Lebanon
- Drosophilamodels of Sensorimotor Gating: A Gateway to Understanding Schizophrenia, **Muhammad Marwan**, Hamad Bin Khalifa University – Qatar
- Macrolides Usage as Anti-Inflammatory Agents in the Treatment of CAP and VAP: A Systematic Review, **Ramona Nasr**, LU – Lebanon
- Advancing Neurostimulation Therapy for Obstructive Sleep Apnea: Does the Hyoid Bone Hold the Answer? **Marie-Michele Serghani**, AUB – Lebanon
- Friedreich's Ataxia and DNA Repair: Frataxin Deficiency Can Impair DNA Damage Mechanisms, **Rafka Challita**, AUB – Lebanon
- Études des facteurs favorisant l'état nutritionnel des femmes enceintes et ses conséquences sur les nouveaux nés en milieu pauvre de la RDC, **Michel Mirindi Kulondwa**, Université Senghor – Egypt

Category 4: Agriculture and Environmental Sustainability

- Biodiversity Conservation Outside PAs Network: Role of Connectivity. A Case Study on the Methodological Framework of Northern Lebanon, **Mariane Fahed**, USEK – Lebanon
- Characterization of Air Pollutants in Lebanon and Identification of the Contamination Sources, **Christelle Boulos**, USEK – Lebanon
- Spectroscopic Analysis and Chemometrics for Multidimensional Characterization of Lebanese Wine Terroir from Autochthonous Grape Varieties, **Grace Saad**, USEK – Lebanon
- Using Banana Peel Waste for Sustainable Solutions: Transforming the Production of Biodegradable Plastic, **Jana Rammal**, LU – Lebanon
- Analyse du comportement de poutres mixtes avec connecteurs démontables dans une approche de réemploi, **Lina Bassil**, LU – Lebanon

Jury Members:

Categories 1, 2, and 4: Prof. Roger Lteif (USJ), Dr. Elise Njeim (CNRS-L), Prof. Joseph Saab (USEK), Prof. Elie Hajj Moussa (LU)

Category 3: Dr. Athar El Khalil (AUB), Dr. Charbel Al Khoury (LAU), Dr. Iman Abbas (CNRS-L), Dr. Elie Jacques Fares (AUB), Dr. Elissar Hayek (USEK)

2:00–3:15 PM Session 8: Economics and Business Sciences

Chair: Prof. Selim Mekdessi, LU – Lebanon
Co-Chair: Prof. Nehmé Azoury, USEK – Lebanon

Presentation 1: Impact des pratiques de gestion des crises sur la résilience des employés de l'enseignement supérieur public
Marzouka Chokor, LU – Lebanon

Presentation 2: The impact of Financialization on Premature Deindustrialization: A Comparative Analysis Between East Asia and Latin America
Elie Kamouh, USJ – Lebanon

Presentation 3: The Impact of Digital Forensics Tools on Audit Efficiency and Fraud Detection Accuracy in Forensic Accounting
Hasan El Komati, LU – Lebanon

Presentation 4: Restructuring of Commercial Banks Through Macroprudential Supervision and Fintech: The Case of Lebanon
Insaf Karbajha, USJ – Lebanon

Presentation 5: The Impact of Circular Economy Strategies on Sustainable Economic Growth of Oil-Exporting and Oil-Importing Countries in the MENA region
Sara Abilmona, LU – Lebanon

Jury Members: Dr. Etienne Harb (Sagesse), Dr. Roula Al Daia (Balamand), Dr. Zahy Ramadan (LAU), Dr. Mario Sassine (USEK)

3:30–4:30 PM Session 9: Fundamental Sciences

Chair: Prof. Roger Lteif, USJ – Lebanon
Co-Chair: Prof. Tilda Akiki, USEK – Lebanon

Presentation 1: Advancing Diabetic Kidney Disease Research Through Innovative Kidney Tubuloid Model
Tala Kaddoura, AUB – Lebanon

Presentation 2: Functional and Molecular Characterization of the IMD Pathway in the Anti-Microbial Defense of African Malaria Mosquito Anopheles Gambiae
Amani Audi, AUB – Lebanon

Presentation 3: S-Packing Coloring of Subcubic Graphs
Hadeel Al Bazzal, LU – Lebanon

Presentation 4: NPM1: A Potential Therapeutic Target in Metastatic Breast Cancer
Maya Abdel Khalek, AUB – Lebanon

Jury Members: Prof. Marie Abboud (USJ), Prof. Joseph Saab (USEK), Dr. Zakaria Kambris (AUB), Dr. Natahlie Estephan (USEK), Dr. Rolland Bejjani (LAU)

4:45–5:45 PM Session 10: Social Sciences

Chair: Prof. Tahany Youssef, Ain Shams University – Egypt
Co-Chair: Prof. Mirna Mzawak, USEK – Lebanon

Presentation 1: وسائل التواصل الاجتماعي بين قيم ومبادئ المواطنة الرقمية لدى طلاب الجامعة اللبنانية – معهد العلوم الاجتماعية نموذجاً
Elie Al Najjar, LU – Lebanon

Presentation 2: Le favoritisme politique et son impact sur l'immigration clandestine: La maquette de la ville de Bebrin Al Abdeh dans le gouvernorat du Akkar
Najat Salim, LU – Lebanon

Presentation 3: Hégémonie occidentale au Liban: Lire ses effets sur les pratiques du pouvoir et le système politique
Nazir Yaghi, LU – Lebanon

Jury Members: Prof. Samah Nasr (Ain Shams University), Prof. Azize Nehmé (Sagesse), Prof. Philippe Wellnitz (University of Montpellier), Dr. Joanna Azar (USEK)

Friday, May 23

10:00–11:15 AM **Session 11:** Applied Sciences and Technology

Chair: Prof. Hadi Kanaan, USJ – Lebanon
Co-Chair: Dr. Faten El Hage, USEK – Lebanon

Presentation 1: A Novel Reinforcement Learning Algorithm for HVAC Energy Optimization for Smart Buildings
Rouaa Jurdi, University of Balamand & University of the Basque Country – Lebanon–Spain

Presentation 2: Modeling Soil Pollutants Surrounding the Badush Cement Factory Using Geographic Information Systems
Hussein Mohsen, LU – Lebanon

Presentation 3: A Novel Approach to Estimate the Power Peaking Factors in a Complex Geometry iPWR Inspired by Carem 25 Using GEANT Toolkit
Fatima Ghandour, USJ – Lebanon

Presentation 4: Integration of GBA and Hybrid TESLA for Securing IoT Authentication in 5G and 6G
David Khoury, University of Balamand & University of Littoral Côte d'Opale – Lebanon–France

Presentation 5: Valorization of Apple Surplus and Wastes by Kombucha Production: Optimization of the Fermentation Parameters
Myriam El Teklé, USEK – Lebanon

11:30 AM–12:30 PM **Session 12:** Applied Sciences and Technology

Chair: Prof. Majed Youssef, Beirut Arab University – Lebanon
Co-Chair: Prof. Sandy Rihana, USEK – Lebanon

Presentation 1: Structural, Vibrational, and Magnetic Properties of the Mixed Typical Spinel Nanoferrites $\text{Co}_{0.3}\text{Ni}_{0.3}\text{Zn}_{0.2}\text{Cu}_{0.2}\text{Fe}_2\text{O}_4$ Doped by Lanthanum (La^{3+})
Mohamad Al Moussawi, LU – Lebanon

Presentation 2: Enhancing Cardiovascular Disease Prediction with an Interpretable Machine Learning Framework
Saeed Al Gharib, University of Balamand & University of the Basque Country – Lebanon–Spain

Presentation 3: Advances in Neural Network Approaches for the Gain and Directivity Prediction of the Microstrip Patch Antenna
Malak Sultan, LU – Lebanon

Presentation 4: User to Access Point Distribution: Coded Caching Approach
Mirna Haidar, USJ – Lebanon

Jury Members: Prof. Hyam Abboud (LU), Dr. Rayya Younes (LAU), Prof. Jihad Attieh (Balamand), Dr. Jason Amatoury (AUB), Dr. Ali Rachini (USEK)

12:30–1:30 PM **Lunch**

1:30–2:30 PM Session 13: Law and Political Science

Chair: Prof. Rasha Hattab, University of Sharjah – UAE
Co-Chair: Dr. Rita Khalil, USEK – Lebanon

Presentation 1: Legislative Framework for Space Activities
Nehal Emam, University of Sharjah – UAE

Presentation 2: Climate Justice, Indigenous Knowledge and Policy: Bridging the Gap of a Sustainable Future
Razane Assi, LU – Lebanon

Presentation 3: La prescription en droit international privé
Samantha Abou Harb, USEK – Lebanon

Presentation 4: تأثير النزاعات البحرية على التجارة الدولية والقانون البحري
Moataz Abdallah, LU – Lebanon

2:45–3:45 PM Session 14: Law and Political Science

Chair: Rev. Fr. Wissam Khoury, USEK – Lebanon
Co-Chair: Dr. Reina Sfeir, Sagesse – Lebanon

Presentation 1: Investor Protection in the Financial Advisory Contract: An Analytical Study in UAE Law
Farah Maarouf, University of Sharjah – UAE

Presentation 2: The Game-Changer Role of Drones in Modern Warfare: Strategic, Ethical, and Legal Implications
Moses Nashalian, LU – Lebanon

Presentation 3: Investor Protection in Public Joint Stock Company
Khalid Mahmoud, University of Sharjah – UAE

Presentation 4: Arbitration in Investment and Operation Contracts for Renewable and Non-Renewable Energy
Aman Ibrahim, LU – Lebanon

Jury Members: Prof. Gaby Chahine (Judge & University Professor), Prof. Audine Salloum (LU), Prof. Karim Torbey (USJ), Dr. Linda Jaber (BAU), Dr. Antonio Zeenni (Sagesse), Dr. Ghada Karam (USEK)

4:00–5:00 PM Session 15 (in French):

Doctorants et engagement entrepreneurial: recherche, accompagnement et impact
Doctoral Studies and Entrepreneurship: Research, Mentorship and Impact

Modératrice: Dr. Nancy Saliba, ACIE–USEK – Lebanon

Panélistes:

- Ms. Lynda Achkouty Mouawad, Enseignante UA & Doctorante LU – Lebanon
- Dr. Gilbert Mouawad, USEK Alumnus & Entrepreneur
- Mr. Hani Mawlawi, East International University & Doctorant au Cnam – Paris
- Ms. Nour Sardouk, EC2 USJ & Doctorante au Cnam – Paris

5:00–5:30 PM Live Music Performance– USEK School of Music

5:45–6:30 PM Closing Ceremony

- **Prof. Nabil Nemer**, Director of the HCR and Associate Dean for Science and Technology, College of Doctoral Studies, USEK – Lebanon
- **Ms. Sabine Sciortino**, Cooperation Attaché, University and Scientific Division, Embassy of France in Lebanon
- **Mr. Jean-Noël Baléo**, Director of the French Institute – Cultural and Cooperation Counsellor, Embassy of France in Lebanon
- **Dr. Chady Abdallah**, Secretary General, CNRS-L

Awards Distribution

6:30–7:30 PM Reception in USEK Gardens



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