

Reports on Completed Research Projects – 2015

نتائج مشاريع الابحاث المنتهية

Below is a list of researchers who have completed their research projects in 2015, with the titles listed by speciality. The report on the work done by each researcher is given by clicking on the title of the project. The CNRS would like to warn readers that it does not accept responsibility for the contents of the reports or for the language in which they are written. For any questions regarding the reports, please contact individual authors using the address or phone number given in the report.

فيما يلي لائحة باسما الباحثين الذين انجزوا ابحاثهم، يمكنك التعرف على نتائج ابحاث كل منهم من خلال الملف المرتبط باسم كل منهم أو بعنوان بحثه. يهمل المجلس ان يعلن أن النتائج المعلنة عن كل بحث هي على مسؤولية الباحث نفسه، ولا يتحمل المجلس اية مسؤولية علمية أو لغوية من جراء نشر هذه التقارير. يمكن للقارئ مراجعة الباحث نفسه عن طريق عنوانه أو رقم هاتفه الوارد في تقريره للاستفسار عن اية نتيجة علمية يكون قد توصل اليها.

· Agricultural Sciences

Name	Projects
Omar Obeid	Paameal phosphorus supplementation for reducing energy intake and body weight
Mustapha Haidar	Reduced rates of metribuzin and hilling for weed management in potato
Pauline Aad	The search for parameters and markers of oocyte quality in Awassi sheep
Ali Atoui	Occurrence of mycotoxins content in some traditional Lebanese food products
Rabih El Roummouz	Qualité et Sécurité de la Viande chez les Races Ovines au Liban
Lamis Chalak	Assessment of the Genetic Diversity of Lebanese Barley Germplasm for Malting Quality and Adaptation to Climate Change
Ali Chalak	Value chain analysis of wheat landraces and wheat-based traditional foods in relation to agrobiodiversity

· Basic and Engineering

Name	Projects
Hala Naja	Modélisation d'architectures logicielles à base de services évolutifs multi-granularités/multi-points de vues
Fatima Abu Salem	Parallel and cache-efficient Hensel lifting for bivariate polynomial factorisation.
Elie Hantouche	Seismic bond strengthening of the critical splice region in wide reinforced concrete columns confined with Carbon Fiber

	Reinforced Polymer (CFRP) Laminates about their weaker axis.
Wissam Joumaa	Effects of Electromagnetic waves (GSM) on Mammalian skeletal muscles
Ahmad Nasri	A Sketch based Interface for Generating Subdivision Objects in Computer Graphics
Daoud Nawfal	Synthesis and characterization of new hydroborate derivatives of closo-decahydrodecaborate [B₁₀H₁₀]²⁻ containing nano-luminescent particles.
Michel Kazan	Optimization of materials and heterostructures for high efficiency thermoelectric conversion
Mohamad Awad	Mapping Pinus Pinea (Stone Pine) forests in Lebanon using hyperspectral satellite images
Bilal Kaafarani	Preparation and Exploitation of Novel Fluorescent Anion Sensors
Yehia Dao	Development of models and casting techniques to evaluate characteristics and improve durability of underwater injection cement grouts and mortars
Abdulwahed Abbass	T-Spline Polygonal Complexes
Mohamad Ali Kobeissi	Investigation of Radon Gas Anomalies detected along Active Tectonic Faults in Lebanon for Earthquake Prediction
Mounib Eleid	Evolution of Low and Intermediate-Mass Stars with Element Formation
Iyad Karame	Nouveaux catalyseurs homogènes pour la valorisation du CO₂ en carbonates cycliques. Synthèse et évaluation de complexes de fer et de manganèse comme catalyseurs innovants pour la réaction de cycloaddition d'époxydes et de CO₂
Wassim Itani	An Energy-Aware Service Routing Protocol for Collaborative Cloud Computing Architectures
Mohamad Hrajli	Seismic Behavior of Concealed Beam-Column Joints
Issam Srour	The path towards zero waste in construction: The case of Lebanon
Georges Ayoub	Transfer of Bacteria and Pharmaceuticals via Vapor in Solar Desalination Units

· Medical Sciences

Name	Projects
Bassam Badran	Study of the molecular mechanisms implicated in CCR7 expression in T cells and investigating the role of microRNAs in this expression
Jihad M. Attieh	Recherche de substrats d'une nouvelle famille de protéines kinases bactériennes
Ghada Hajj Fleihan	National Core Collaborative Research Center on Hypovitaminosis D and Metabolic Disorder
Assaad Eid	Mechanism of kidney cells injury in Diabetes

Elias Baydoun	Synthesis of Libraries of Anti-Cancer Agents by Biotransformation-a Novel Approach towards Anti-cancer Agents
Georges Azzi	Conception et fabrication d'un muscle artificiel implantable biocompatible avec une réponse instantanée à un stimulus biologique.
Georges Daoud	Signaling pathways controlling trophoblast differentiation in human placenta
Hayat Azouri-Tannous	Effets des métaux allergisants sur les cellules dendritiques et les macrophages humains dans les allergies cutanées
Nayef Saadeh	Possible involvement of proinflammatory cytokines and neurotrophins in the mediation of chronic pain: a study in rats sustaining local inflammation or chronic nerve lesion
Rami Mahfoauz	Detection of BRAF, Ras, EGFR, and RET/PTC fusion Gene Mutations in Papillary Thyroid Gland Carcinoma
Raya Saab	SAHA as a novel treatment of the childhood tumor Rhabdomyosarcoma
Wassim Abou-Kheir	Establishing a clinically relevant in vitro model of prostate cancer
Dolla Sarkis	Detection and identification of carbapenemases produced by Lebanese gram-negative bacilli
Georges Hilal	Effets des inhibiteurs de la télomérase sur l'expression de l'alphafœtoprotéine et sur le pouvoir métastatique des cellules C3A du carcinome hépatocellulaire: Etudes <i>in vitro</i> et <i>in vivo</i>
Mazen Kurdi	Mitochondrial role of STAT3 in cardiac hypertrophy and dysfunction
Sandra Rizk	Niemann Pick type C disease: Pathophysiology and the search for biomarkers
Mohammad Ezzeddine	Etude des mécanismes moléculaires de l'expression du gène IL-21 dans les cellules T et rôle de la structure chromatinienne dans cette expression
Mira Chaar	Molecular detection of respiratory viral infections in children in a combined community and hospital study in Lebanon

· Environmental

Name	Projects
MUTASEM EL-FADEL	Simulation of mixing determinants in anaerobic digestion of the organic fraction of municipal solid waste
Yolla EL-MAKHOUR	Sénescence systémique et facteurs environnementaux : influence des métaux présents dans l'eau de surface et les sédiments de la rivière Al-Ghadir (Mont-Liban) sur la longueur des télomères
Antoine El-Samrani	

	Contribution of phosphate and sulfate fertilizers in trace metal addition to the Lebanese soils: Investigation on their behavior and transfer mechanisms
Chadi Abdallah	Establishing High resolution Digital Elevation Model for Lebanon
Antoine Tabet	Mesure et analyse de la pollution particulaire et bactériologique de l'air intérieur dans les différentes ecoles Linanaïses et evaluation de la toxicité
Safaa Baydoun	Assessment of Macrophytic Community of Litani River and Qaraoun Lake
Nijad Kibara	Assessment of Some Water Quality Parameters Along the Lebanese Coast Using MODIS and SeaWiFS Data
Hassan Hammoud	Bioremediation of Nitrate from Ground Water in Bekaa Valley

· Human Sciences

Name	Projects
Nizar Atrissi	The real options: a model assessing the flexibility and hte uncertainty. Applied study on the Lebanese oil sector
Nazir Hawi	Potential Risks of Sedentary Screen Time in Young Lebanese Children
Abla Sibaii	Living arrangements of older adults in Lebanon