

Reports on Completed Research Projects – 2013

نتائج مشاريع الابحاث المنتهية

Below is a list of researchers who have completed their research projects in 2013, 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 باسماء الباحثين الذين انجزوا ابحاثهم، يمكنك التعرف على نتائج ابحاث كل منهم من خلال الملف المرتبط باسم كل منهم أو بعنوان بحثه. يهيم 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 للقارىء مراجعة الباحث نفسه عن طريق عنوانه أو رقم هاتفه الوارد في تقريره للاستفسار عن اية نتيجة علمية يكون قد توصل اليها.

***Agricultural Sciences**

Name	Project Title
Ali Chalak	Consumers' Demand for Mitigating Foodborne Risks and the Role of Awareness Campaigns in Adding Value to Microbiological Safety in Food Markets of Lebanon
Nada Usayran	The nutritional value of locally cultivated low-toxin faba bean and its incorporation in poultry rations
Toufic Rizk	Banque de données sur les rapports D/H (deutérium/hydrogène) de l'éthanol des vins finis du Liban
Total	3

***Basic and Engineering Sciences**

Name	Project Title
Ali Chehab	A Hybrid Distributed and Centralized Trust and Competence-Based Energy Aware Routing Scheme for Mobile Ad-Hoc Networks
Ayman Kayssi	BGP-Inspired Autonomic Service Routing for Multi-Provider Composite SaaS Architectures in Cloud Computing
Fadi Hage Chehade	Modélisation numérique du comportement des pieux et des groupes des pieux en zones sismiques – Effet de l'inclinaison
Fouad El Haj Hassan	Theoretical and experimental investigations of SnO2 thin film for gas sensor application
George Turkiyyah	An Interactive 3D Virtual Simulator For Surgical Cutting and Suturing
Imad Elhadj	IP Address Spoofing Detection
Jacques Harb	Use of Geotechnical laboratory facilities to investigate the stability and formwork pressure of self-consolidated concrete and its applications and use in Lebanon
Jean-Paul Arnaout	A Throughput Simulation of Port of Beirut: Natural Disasters & Security Risk Analysis

Jihad Sidawi	Évaluation et Revue des Caractéristiques de Cellules Solaires Photovoltaïques
Madona Boulos	Elaboration de poudres de titanates par mecosynthèse, caractérisation, mise en forme de céramiques et propriétés électriques. Applications aux matériaux à très fortes valeurs de permittivité
Mariette Awad	Using Exact Penalty Functions for State Estimation of Smart Grid Discrete and Continuous Variables
Mohammad Hajjar	Génération automatique d'un dictionnaire électronique sémantique et collaboratif de la langue arabe
Mohammad Mansour	A Novel Scheme for Computing the Data Retention Voltage of Large SRAM Arrays
Nathalie Bassil	Decomposition of plastic wastes by condensed light energy
Pierre Matar	L'utilisation des agrégats recyclés dans les blocs en béton : un pas vers la construction durable
Ramsey Hamade	Sustainable and Safe Driving = Networked Car, Driver, and Passenger
Shadi Najjar	New Design Methodology for the Use of Soil/Fibers/Cement Composites in Engineering Systems
Tarek Ghaddar	Cyclometalated Ruthenium Complexes for Dye-Sensitized Solar Cells
Yolla Kazzi	Calorimetric approach for the detection of modified silica efficiency as chelating agent for heavy metal ions
Youssef Nasser	Hybrid Mobile Terminal Positioning Estimators through the Interaction with Cooperative Communications
Zaher Dawy	Novel Y2H Pooling Designs for Efficient Protein-Protein Interaction Inference using Construction Methods from Coding Theory
Total	21

*Environmental Sciences

Name	Project Title
Antoine Gauch	Treatment of organic contaminants in water by thermally activated persulfate at circumneutral pH
Iyad Nasib Karamah	Cheap Technology Based on Modified Saw Dust for the Removal of Toxic Metal Cations from Polluted Water
Chawki Saliba	Emballages Alimentaires au Liban
Farkad Assi	تصنيف وتوضيب عناكب منطقتي كسارة وقوسايا
Ghassan Jaradi	Impact of habitat evolvement and human disturbance on the birds of littoral areas in Lebanon
Habib Basha	Groundwater Flow Modeling in a Karst Environment
Hussein Abou-Hamdan	Rôle des communautés macrophytiques dans le fonctionnement du Ghouzaïel, affluent en rive gauche du Litani (plaine de Békaa). Relation macrophyte – qualité des eaux
Ihab Jomaa	Mapping and monitoring juniper forests in Lebanon, creating a standard methodology using remotely sensed data
Rosette Daoud	Etude de la Rosa damascena au Liban, qualité de l'huile essentielle et polymorphisme génétique
Roula Abdel-Massih	Evaluation of Hospital Wastewater Genotoxicity in a Lebanese University Hospital
Zeina Dagher	Effect of atmospheric nanoparticles from the city of Beirut on the human respiratory epithelium

Total	11
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*Human and Social Sciences

Name	Project Title
Abdulrazzak Charbaji	Readiness Assessment of NGOs to implement micro- insurance activities in Lebanon through the Solidarity Fund
Ahmad Salloume	Dépenses publiques et croissance économique au Liban
Antoine Hokayem	Les bouleversements de l'année 1920 au Proche-Orient: le sort des territoires ottomans occupés
Bilal Chehaita	Utilisation rationnelle des terres "Almachaat" et son impact sur le processus de développement au Liban
Chawki El Moussawi	Relation causale entre déficit budgétaire et déficit commercial extérieur au Liban
Hassan Saleh	The Perception of Lebanese Students towards Choosing a Career in Entrepreneurship: An Empirical Study
Mohammad Houjairi	Le premier livre des Sphériques de Ménélaüs d'après la Tradition Sphérique Arabe
Nader Sraj	La demeure et ses dénominations et son rôle culturel et sociétal
Najwa Yahfoufi	Stressors and its relationship with quality of life among Lebanese universities students

Name	Project Title
Nasser Yassin	Risky Behaviors and Protective Factors among the Youth in Lebanon: A Qualitative Approach
Nuwar Diab	The effect of form-focused corrective feedback on second language acquisition
Sélim Mekdessi	De la gouvernance vers la performance ; Cas du Ministère des Finances
Total	12

*Biological and Medical Sciences

Name	Project Title
Ahmad Beydoun	Prospective Evaluation of Patients with Newly Diagnosed Epilepsy: A Multicenter Study
Camille Nassar	Localization and Expression of Nutrient and Water Transporters in the Small Intestine Pre and Post-Colectomy. Role of the Enteric Nervous System in the Control and Regulation of Transporters'expressions
Chantal Farra	Incidence of Alpha Globin Gene Defect in the Lebanese Population: A Pilot Study
Claudia Djambas Khayat	Molecular factor VIII gene identification and Hemophilia A in Lebanon: Genotype-phenotype correlation. Which relation between molecular anomalies and risk of inhibitor?
Ghazi Zaatari	Epidermal Growth Factor Receptor (EGFR) and K-RAS in Non-Small Cell Lung Cancer: A Retrospective Study of the Lebanese Population
Joseph Maarrawi	Motor cortex stimulation and analgesia : Electrophysiological effects in a chronic cat model
Kazem Zibara	Pro-angiogenic Factors and Hetero-cellular Interaction in Cancer Cell Extravasation: Molecular and Functional studies
Marwan El-Sabban	Heterocellular interaction between cancer cells and stem cells in cancer metastasis

Mira Hazzouri	Exploration de la qualité nucléaire du spermatozoïde humain: Hommes libanais infertiles candidats pour FIV
Mohamed E. Moustafa	A New Pharmaceutical Perspective Using Glucagon-Like Peptide-1 for the Treatment of Diabetes Mellitus
Nada Melhem	Potential Role of HLA and KIR as Correlates of Protection among HBV Vaccinated and non-Vaccinated Subjects
Noël Ghanem	The role of the Rb/E2F pathway in the development and maturation of inhibitory neurons in the brain
Rania Jounblat	Validity of Serum Surfactant Protein D as a Lung-Specific Biomarker in the Diagnosis of Asthma and Chronic Obstructive Pulmonary Disease
Saade Abboud	Management of renal osteodystrophy among Hemodialysis (HD) Patients in Lebanon: Impacting Clinical, Quality of Life (QOL) and Cost Outcomes
Sami El Toum	Localisation génétique d'un caractère familial «cinq incisive mandibulaire»
Sawsan Kreydiyyeh	Effect and mechanism of action of leptin on the Na⁺/K⁺ ATPase and glucose transporters in Caco-2 cells
Suhad Shbeir	Sphingolipid Treatment of Colon Cancer Cells Suppresses Wnt Signaling by Including Dab2 Expression
Wissam Faour	Role of prostaglandin EP receptor subtypes (EP 1-4) in the chondrogenic potential of bone marrow derived mesenchymal stem cells
Ziad Daoud	Clonality and Effect of Antibiotic Consumption on the Resistance of Pseudomonas aeruginosa Isolated From Lebanese Patients with emphasis on MBL Production
Total	19