Publications

2018:


- Kazem Zibara1, Nissrine Ballout1, Nabil Karnib1, Naify Ramadan5, Saad Omais, Ali Nabbouh, Daniela Caliz, Angelica Clavijo, Zhen Hu, Noël Ghanem, Shyam Gajavelli, * and Firas Kobeissy Combination of Drug and Stem cells Neurotherapy: Potential Interventions in Neurotrauma and Traumatic Brain Injury. Submitted

2017:


- Damage-Induced Cell Regeneration in the Midgut of Aedes albopictus Mosquitoes Maria Janeh, Dani Osman & Zakaria Kambris. Scientific Reports | 7:44594 | DOI: 10.1038/srep44594 2, 2017


**2016:**

- Role of Rb during Neurogenesis and Axonal Guidance in the Developing Olfactory System. Carine Jaafar, Saad Omais, Sawsan Al Lafi, Nadim El Jamal, Mohammad

- Renaud Vandenbosch, Alys en Clark, Bensun C. Fong, Saad Omais, Carine Jaafar, Delphie Dugal-Tessier, Jagroop Dhaliwal, Diane C. Lagace, David S. Park, Noël Ghanem* and Ruth S. Slack* *Co-corresponding authors. RB regulates the production and the survival of newborn neurons in the embryonic and adult dentate gyrus', Hippocampus, DOI: 10.1002/hipo.22613 2016. IF: 4.162

- Encapsulation of curcumin in cyclodextrin-metal organic frameworks: Dissociation of loaded CD-MOFs enhances stability of curcumin Food Chemistry, doi:10.1016/j.foodchem.2016.06.013


- Role of the Retinoblastoma protein, Rb, during adult neurogenesis in the olfactory bulb. Rayan Naser,*, Renaud Vandenbosch, Saad Omais, Dayana Hayek, Carine Jaafar, Sawsan Al Lafi, Afaf Saliba, Maarouf Baghdadi1, Larissa Skaf & Noël Ghanem. Scientific Reports | 6:20230 | DOI: 10.1038/srep20230

2015:


2014:


- Mai Mouslmani, Digambara Patra*, Revoking excited state intra-molecular hydrogen transfer by size dependent tailored made hierarchically ordered nanocapsules, RSC Advances, 4, 8316 – 8320 (2014)


- Jaafar, M., Baalbaki, R., Daher, N., Shihadeh A., Sioutas, C., Saliba, N.A., 2014. Dust episodes and their effect on the redox activity of coarse and fine particles in an urban
background site in an east Mediterranean city. Atmospheric Environment, Accepted manuscript.

- Mai Mouslmani, Digambara Patra*, Revoking excited state intra-molecular hydrogen transfer by size dependent tailored made hierarchically ordered nanocapsules, RSC Advances, 4, 8316 – 8320 (2014)


2013:


2012:

- Digambara Patra*, Nagham N. Malaeb, Fluorescence modulation of 1,7-bis(4-hydroxy-3-methoxyphenyl)-1,6-heptadiene-3,5-dione by silver nanoparticles and its possible analytical application, Luminescence, 27, 11-15 (2012)

- Infrared analysis of the effect of Ge at the interface between 3C-SiC and Si; M. Kazan, M. Tabbal, M. Masri; Diamond and Related Materials, Vol. 22, p. 23 (2012)


- Digambara Patra*, Nagham N. Malaeb. Fluorescence modulation of 1,7-bis(4-hydroxy-3-methoxyphenyl)-1,6-heptadiene-3,5-dione by silver nanoparticles and its possible analytical application, Luminescence, 27, 11-15 (2012)


- Infrared analysis of the effect of Ge at the interface between 3C-SiC and Si; M. Kazan, M. Tabbal, M. Masri; Diamond and Related Materials, Vol. 22, p. 23 (2012)


- Authors: L. Moubarak and G. Antar,
Title: DYNAMICS OF A TWO-DIMENSIONAL FLOW SUBJECT TO STEADY ELECTROMAGNETIC FORCES

2011:

- Arlin Jose Amali, Nour H. Awwad, Rohit Kumar Rana*, Digambara Patra*, Nanoparticle Assembled Microcapsules for Application as pH and Ammonia Sensor, Analytica Chimica Acta, 708, 75 - 83 (2011)


2010:

- Article title: Mercury removal from aqueous solutions using silica, polyacrylamide and hybrid silica-polyacrylamide aerogels.

  Journal: Chemical Engineering Journal
  Date: 2010
  Authors: Hiba Ramadan, Aline Ghanem, Houssam El-Rassy
  Department: Chemistry
  Equipment used at the CRSL: BET, AAS, Optical Microscope

2009:

- Article Title: Effect of Chain Length on the Photophysical Properties of Pyrene-Based Molecules Substituted With Extended Chains

  Author: Degheili, J. A.; Moustafa, R. M.; Patra, D.; Kaafarani, B. R.
  Journal: J. Phys. Chem
  Date: January 2009
  Department: Chemistry
  Equipment Used at the CRSL: NMR Spectrometer, Fluorometer, Spectrometer
Article Title: Synthesis and Detailed Photophysical Studies of Pyrene-Based Molecules Substituted with Extended Chains

Author: Moustafa, R. M.; Degheili, J. A.; Patra, D.; Kaafarani, B. R.
Journal: J. Phys. Chem
Date: January 2009
Department: Chemistry


Interleukin-6 and Cyclooxygenase-2 downregulation by fatty-acid fractions of Ranunculus constantinopolitanus. BMC Complementary and Alternative Medicine 9:44


Article title: Cobalt Ferrite Aerogels by Epoxide Sol-Gel Addition: Efficient Catalysts for the Hydrolysis of 4-Nitrophenyl Phosphate.

Journal: Journal of Molecular Catalysis A: Chemical
Date: 2009
Authors: Joelle Akl, Tarek Ghaddar, Aline Ghanem, Houssam El-Rassy
Department: Chemistry
Equipment used at the CRSL: XRD, BET, HPLC-UV


Journal: Chemical Engineering Journal
Date: 2009
Authors: Lara Abramian, Houssam El-Rassy
Department: Chemistry
Equipment used at the CRSL: BET, UV-Vis
- Article Title: Antibiotic removal from water: Elimination of amoxicillin and ampicillin by microscale and nanoscale iron particles

Author: Antoine Ghauch, Almuthanna Tuqan, Hala Abou Assi
Journal: Environmental Pollution
Date: January 2009
Department: Chemistry
Equipment Used at the CRSL: HPLC, LC MS, Spectrophotometer.

2008


2007


**2006**


**2005**

- Article Title: Quinoxaline 1,4-dioxides induce G2/M cell cycle arrest and apoptosis in human colon cancer cells.
  
  Author: Gali-Muhtasib HU, Diab-Assaf M, Haddadin MJ.
  Department: Biology
  Equipment Used: Flowcytometer

- Article Title: Crystal field investigations and magnetic properties of Nd3+ doped Bi4Si3O12Phys.
Author: S. Isber, M. Tabbal, T. Christidis, S. Charar, F. Terki and M. Ishii
Department: Physics
Date: November 2005
Equipment Used: PPMS, XRD


**2004**

- **Quinoxaline 1,4-dioxides Induce Cell Cycle Arrest, Apoptosis and changes in transforming growth factors and Extracellular signal-regulated kinase expression in Human colon cancer cells.** Cancer Chemotherapy and Pharmacology, 55(4):369-378.

- **Article Title: N-(4-Hydroxyphenyl) Retinamide Induces Growth Arrest and Apoptosis in HTLV-I Transformed Cells.**

  Authors: Darwiche, N., Hatoum, A, Dbaibo, G., Kadara, H., Nasr, N., Abou-Lteif, G., Bazzi, R., Hermine, O., de Thé, H. and Bazarbachi, A.

  Department: Biology
  Equipment Used: Flow cytometry

- **Article Title: Stage-Specific Effect of N-(4-Hydroxyphenyl) Retinamide on Cell Growth in Squamous Cell Carcinogenesis.**

  Authors: Kabbout, M., Hatoum, A., Abou-Lteif, G., Chakroun, I., Homaidan, F. and Darwiche, N.

  Department: Biology
  Equipment Used: Flow cytometry, fluorescence microscopy, and dark room (develop X-ray films)

- **Article Title: Molecular pathway for thymoquinone-induced cell-cycle arrest and apoptosis in neoplastic keratinocytes**
- **Article Title**: Quinoxaline 1,4-dioxides are Novel Angiogenesis Inhibitors that Potentiate Antitumor Effects of Ionizing Radiation.

  Author: Hala Gali-Muhtasib, Ph.D., Mazen Sidani, MSc., Fady Geara, M.D., PhD., Assaf-Diab Mona, Ph.D., Josianne Al-Hmaira, BSc., Makhluf J., Haddadin, Ph.D., and Ghazi Zaatari, M.D.
  Department: Biology
  Equipment Used: Flow cytometer, fluorescence microscope

- **Article Title**: Inhibition of proliferation and induction of apoptosis by 2-benzoyl-3-phenyl-6,7-dichloroquinoxaline 1,4-dioxide in adult T-cell leukemia cells.

  Authors: Steve Harakeh, Mona Diab-Assef, Marwan El-Sabban, Makhluf Haddadin, Hala Gali-Muhtasib
  Department: Biology
  Equipment Used: Flow cytometer, fluorescence microscope

- **Article Title**: Thymoquinone extracted from black seed triggers apoptotic cell death in human colorectal cancer cells via a p53-dependent mechanism.

  Author: Hala Gali-Muhtasib
  Department: Biology
  Equipment Used: Flow cytometer, fluorescence microscope


**2003**


**2002**


**2001:**


**NO YEAR:**

- Article Title: Quinoxaline 1,4-dioxides INDUCE G2/M cell cycle arrest and apoptosis in human colon cancer cells.
- **Article Title:** Exchange Coupling in Spins Quartet of Dimeric Polyoxoanions \([\text{M}_4(\text{H}_2\text{O})_2(\text{GeW}_9\text{O}_{34})_2]\)\textsuperscript{12-} (M = Mn\textsuperscript{2+}, Cu\textsuperscript{2+})

  Author: S. Isber, M. Tabbal, T. Christidis, S. Charar and F. Terki
  Department: Physics
  Equipment used: Physical Properties Measurements System (PPMS), Spectrophotometer UV, Visible and Near IF, X-Ray diffractometer.

- **Article Title:** Crystal field investigations and magnetic properties of Nd\textsuperscript{3+} doped Bi\textsubscript{4}Si\textsubscript{3}O\textsubscript{12}

  Author: S. Isber, M. Tabbal, T. Christidis, S. Charar, F. Terki and M. Ishii
  Department: Physics
  Equipment used: Physical Properties Measurements System (PPMS), Spectrophotometer UV, Visible and Near IF, X-Ray diffractometer.

- **Article Title:** Cross talk between insulin and angiotensin II. Role of Lozartan in the prevention of cardiomaopathy in normotensive diabetic type I rats with no nephropathy

  Author: Nuha Nuwayri-Salti M.D.
  Department: Human Morphology
  Equipment Used: Fluorescence Microscope

- **Article Title:** Apoptosis Induction by Epican Forte in HTLV-1 Positive and Negative Malignant T-Cells.

  Authors: S. Harakeh, M. Diab-Assaf, J. Khalifeh, K. Abu El-Ardat
  Department: Biology
Equipment Used: Flowcytometer, Fluorescence Microscope, Gel Documentation System, and XOMAT.

- **Article Title: Simulation of Geochmical banding in Acidization-Precipitation Experiments in Situ**
  Authors: Maysam Msharrafieh, Mazen El-Ghoul, Rabih Sultan
  Department: Chemistry
  Equipment Used: Atomic Absorption Spectrophotometer, Fluorescence Microscope, and X-Ray Diffractometer

- **Article Title: Patterns with High Rhythmicity Levels in Multicomponent Liesegang Systems**
  Authors: Maysam Mshrrafieh and Rabih Sultan
  Department: Chemistry
  Magazine: CHEMPHYSCHEM
  Equipment Used at the CRSL: NMR Spectrometer, Fluorometer, Spectrophotometer.

- Dr. Rabih Talhouk, Biology Department, Use of Flowcytometer, Gel documentation system, and XOMAT.

- **Anti-inflammatory bio-activities in water extract of Centaurea ainetensis.** Journal of Medicinal Plants Research 2:024-033.

- **Dr. Imad Saoud**, Biology Department, Use of Osmometer and Atomic Absorption Spectrophotometer.

- **Dr. Imad Toufeili**, Nutrition Department, Use of Atomic Absorption Spectrophotometer and UV – VIS-NIR Spectrophotometer

- **Dr. Hala Muhtasib**, Biology Department, use of flowcytometer, XOMAT, HPLC and NMR.