

## **2018:**

### **Thesis Title: DEVELOPMENT AND MECHANISM OF ACTION OF THE NOVEL ANTI-CANCER DRUG HNA-2 IN ACUTE MYELOID LEUKEMIA**

Student full name: Berthe Bassam Hayar  
Advisor's name: Dr. Nadine Darwiche  
Department: Biochemistry and Molecular Genetics  
Equipment used at the CRSL: Flowcytometer FACS Aria SORP  
Date of defense: May 8, 2018.

### **Thesis Title: Modulation of Phospholipid Membranes by Curcumin-conjugated Silver Nanoparticles and their Application**

Student full name: Nadine Wehbe Wehbe  
Advisor's name: Dr. Elias Baydoun  
Department: Biology  
Equipment used at the CRSL: Fluorometer, spectrophotometer, microbalance, super speed centrifuge, SEM  
Date of defense: May 2, 2018.

### **Thesis title: Synthesis of novel heterocycle as anticancer agents**

Student full name: Nayri Awedis Jabotian  
Advisor's name: Prof. Makhluif J. Haddadin  
Department: Chemistry  
Equipment used: NMR Bruker 500 MHz, HPLCMS, Microbalance, IR iD3 ATR Nicolet iS5.  
Date of defense: April 24, 2018

### **Thesis Title: Assessment of Different Persulfate Activation Methods for the Degradation of Organic Contaminants in Water: Application to Pharmaceutical Compounds.**

Student full name: Maya Nabil Amasha  
Advisor's name: Dr. Antoine Ghauch  
Department: Chemistry  
Equipment used at the CRSL: HPLC-MS, AAS, SEM, GC, microbalance.  
Date of defense: April 18th, 2018

### **Thesis Title: CaO/Al<sub>2</sub>O<sub>3</sub> Calcined Aerogels and Alcolgels for Heterogeneous Catalytic Production of Biodiesel from Waste Cooking Oil**

Student full name: Fatima Mohammad Kesserwan  
Advisor's name: Mohammad Ahmad  
Department: Mechanical Engineering  
Equipment used at the CRSL: Furnace oven, SEM, coating for SEM, TGA, BET, bench centrifuge, 1H-NMR, powder XRD, and FTIR.  
Date of defense: January 26, 2018

**2017:**

**Thesis Title: (investigation on curcumin mediated green solid state synthesis of conjugated silver nanoparticles and its application)**

Student full name: Dina Sadeq AL-Namil

Advisor's name: Digambara Patra

Department: chemistry

Equipment used at the CRSL: SEM, freeze drier, fluorimeter, TGA, powder XRD, UV-VIS spectrophotometer, megafuge 1.0R.

Date of defense: September 4, 2017

**Thesis Title: THE CHARACTERIZATION OF THE MIDGUT MICROBIOTA IN LAB-REARED MOSQUITOES AND THE ROLE OF DOPACHROME CONVERSION ENZYME IN MOSQUITO MELANIZATION RESPONSE"**

Student full name: Sally Adnan Saab

Advisor's name: Dr. Mike Osta

Department: Biology

Equipment used: nanodrop, fluorescent microscope and the Real time machine

Date of the defense: August 21st ,2017

**Thesis Title: SYNTHESIS AND STRUCTURAL EVOLUTION OF METAL-ORGANIC FRAMEWORKS BY REACTION-DIFFUSION PROCESS AT ROOM TEMPERATURE**

Student full name: Razan Mohammad Issa

Advisor's name: Dr. Mohamad Hmadeh (Assistant Professor)

Department: Chemistry

Equipment used at the CRSL: XRD D8 Advance X-ray diffractometer and XRD D8

Discover, BET: NOVA 2200e surface analyzer, TGA: NETZSCH TG 209F1 Libra

TGA209F1D-0152-L, SEM: FEI Quanta 600 FEG-SEM, NMR: BRUKER AVANCE

NMR Spectrometer (500 MHz), FT-IR: Thermo Nicolet 4700 Fourier Transform Infrared Spectrometer, Freeze Dryer.

Date of defense: July 13, 2017

**Thesis Title: Insights into the Role of TLL4 in selected Breast Cancer Cell Lines**

Student full name: Elvira Dibo

Advisor's name: Dr. Diana Jaalouk

Department: Biology

Main equipment used at the CRSL: Leica microscope, RTPCR, Nanodrop, XOMAT

Date of defense: April 2017

**Thesis Title: Highly Crystallized Zinc Oxide Thin Films Grown By Pulsed Laser Deposition**

Student full name: Shatha Tarek Kaassamani  
Advisor's name: Prof. Malek Tabbal  
Department: Physics  
Equipment used at the CRSL: Pulsed Laser Deposition (PLD); X-Ray diffraction (D8 Advance + D8 Discover); Scanning Electron Microscopy (SEM+EDX); UV-VIS spectroscopy (Reflectivity); Surface Profilometer; Vacuum Oven; Stirrer Heater ;  
Sonication bath  
Date of defense: March 8, 2017

**Thesis Title: Functionalized nanoparticles as potential precursors for smart materials**

Student full name: Antranik Aghop Jonderian  
Advisor's name: Dr. Kamal Bouhadir  
Department: Chemistry  
Equipment used at the CRSL: NMR, XRD, Flowcytometer, UV-VIS, Fluorometer, SEM, HPLC, TGA  
Date of defense: February 1, 2017

**Thesis Title: Hic-5 deregulation in lamin A/C and emerin - associated myopathies**

Student full name: Ranim Houssam Daw  
Advisor's name: Dr. Diana Jaalouk  
Department: Biology  
Equipment used at the CRSL: Real Time PCR - Upright Fluorescence Microscope, XOMAT  
Date of defense: February 1, 2017

**Thesis Title: Terellia Serratulae In Lebanon: Host Adaptation In Picnomon Acarna**

Student full name: Narine Setrak Mardirossian  
Advisor's name: Dr. Khouzama Knio  
Department: Biology  
Equipment used at the CRSL: Elma D-78224 sonicator, Quorum EMS k850-Critical Point Drier, Carbon/Metal Coater Quorum Q150T ES, Scanning electron microscope.  
Date of defense: January 26, 2017

**Thesis Title: Synthesis and characterization of triazine based compounds as potential precursors for hydrogen bonded organic frameworks (HOFs)**

Student full name: Mira Abed Diab El Harakeh  
Advisor's name: Prof Kamal Bouhadir  
Department: Chemistry  
Equipment used at the CRSL: NMR, HPLC-MS, TGA, UV/Vis spectrophotometer, Freeze Dryer, Vacuum oven, Sonicator.  
Date of defense: January 16, 2017

**2016:**

**Thesis Title: Electrospinning of nanofibers: breathable, waterproof and protective advanced textiles.**

Graduate's Name: Fouad Junior Maksoud

Department: Chemical and petroleum engineering departement

Advisor's name: Prof. Ali Tehrani, Prof. Nesreen Ghaddar, Prof. Kamel about ghali

Equipment used at the CRSL: Nuclear Magnetic Resonance Spectroscopy NMR, Scanning Electron Microscope SEM, Chromatography, Ion/Gas, IC/GC, X-ray Diffractometer XRD, Atomic Absorption Spectroscopy AAS, High Pressure Liquid Chromatography-Mass, Spectrometry HPLC-MS, Thermogravimetric Analysis TGA, Ultraviolet-Visible Spectroscopy UV VIS near IR, Enzyme-Linked Immunosorbent Assay ELISA, Optical/Fluorescence Microscopy, Differential Scanning Calorimetry DSC, Fuel Testing

Date of Defense: September 7, 2016

**Thesis Title: Developing a Multiplexing Platform for the Detection of Specific Biomarkers**

Graduate's Name: Samir Abdallah Abou Shaheen

Department: Chemistry

Advisor's Name: Pierre Karam

Equipment used at the CRSL: SEM- flow cytometry- freeze drier

Date of defense: July 25, 2016

**Thesis Title: Screening for New Serine Proteases Involved in Drosophila Melanogaster Immunity**

Graduate's Name: Jeanette El Hajj

Department: Biology

Advisor's name: Zakaria Kambris

Equipment Used: Nanodrop, Real time PCR

Date of Defense: June 2016

**Thesis Title: Effect of Endotoxin Challenge on Normal, Tumor Initiated, and Invasive Human Breast Cells**

Graduate's Name: Farah Aly Yassine

Department: Biology

Advisor's name: Dr. Rabih Talhouk

Equipment Used: Nanodrop Spectrophotometer, Real Time PCR, XOMAT

Date of Defense: Tuesday, June 14, 2016

**Thesis Title: Sources, Dispersion, and Toxicity of PAHs and Dioxins at AUB, Zouk and Dora**

Graduate's Name: Julie Issam Nassar  
Department: Chemistry  
Advisor's Name: Najat Saliba  
Equipment Used: Furnas Oven and Vacuum Oven  
Date of defense: May 2, 2016

**Thesis Title: Uptake of Cadmium, Lead, and Nickel by *Origanum syriacum* produced in Lebanon**

Graduate's Name: Razan Marwan Dbaibo  
Department: Agriculture  
Advisor's name: Dr. Isam Bashour  
Equipment Used: AAS  
Date of Defense: April 2016

**Thesis Title: Antitumor Activities of Natural and Synthetic Retinoids in 2D and 3D Human Breast Cancer Models**

Graduate's Name: Patrick Antoine Aouad  
Department: Biology & Biochemistry and Molecular Genetics  
Advisor's name: Dr. Rabih Talhouk & Dr. Nadine Darwiche  
Equipment Used: Flowcytometer FACSAria SORP  
Date of Defense: 25 April, 2016

**Thesis Title: Investigation of the role of candidate genes in *Drosophila melanogaster* immunity by in vivo RNAi screen**

Graduate's Name: Rawan Merhi  
Department: Biology  
Advisor's name: Zakaria Kambris  
Equipment Used: Nanodrop, Real time PCR  
Date of Defense: April 2016

**Thesis Title: Overview of the gut microflora in wild-caught fish at the Lebanese shore**

Graduate's Name: Ahmad Jammal  
Department: Biology  
Advisor's name: Zakaria Kambris  
Equipment Used: Nanodrop, Centrifuge  
Date of Defense: March 2016

**Thesis Title: Role of The Retinoblastoma Protein (Rb) In The Survival and Function of Adult-Born Neurons in The Olfactory Bulb**

Graduate's Name: Saad Omais  
Department: Biology  
Advisor's name: Noel Ghanem  
Equipment Used: Fluorescent microscope, tissue culture 314A  
Date of Defense: Feb, 2016

**Thesis Title: Sources, Dispersion and Toxicity of PAHs and Dioxinins at AUB, Zouk and Dora**

Graduate's Name: Julie Issam Nassar  
Department: Chemistry  
Advisor's name: Dr. Najat Aoun Saliba  
Equipment Used: Furnace and Vacuum ovens  
Date of Defense: February, 5 2016

**Thesis Title: Synthesis, Photophysical Properties and Applications Of Arylpyrene And Dithienophenazine Derivatives.**

Graduate's Name: Tarek Houssam El Assaad  
Department: Chemistry  
Advisor: Dr. Bilal R. Kaafarani  
Equipment Used: NMR (300 and 500 MHz), HPLC-MS, TGA-FTIR, DSC, freeze dryer, fluorometer (xenon lamp and nanoled), UV-VIS.  
Date of Defense: February 5, 2016

**2015:**

**Thesis Title: Analysis of genetic diversity of *Matricaria chamomilla* (L.) populations in Lebanon**

Graduate's Name: Noura Anwar Soubra  
Department: Biology  
Advisor's name: Dr. Rabih Talhouk  
Equipment Used: Nanodrop  
Date of Defense: December 2015

**Thesis Title: Arsenic Trioxide and Interferon alpha Circumvent Tyrosine Kinase Inhibitors Resistance in Chronic Myeloid Leukemia Models''.**

Graduate's Name: Nagham Rasbieh  
Department: Anatomy, Cell Biology and Physiological Sciences  
Advisor's name: Dr. Rihab Nasr  
Equipment Used: FACSARIA flow cytometry  
Date of Defense: Friday June 26, 2015

**Thesis Title: Ranitidine Abatement In Chemically Activated Persulfate Systems: Assessment Of Industrial Iron Waste For Sustainable Applications**

Graduate's Name: Sahar Joseph Naim  
Department: Chemistry  
Advisor's name: Dr. Antoine Ghauch  
Equipment Used: Atomic Absorption Spectrophotometer (AAS), Freeze Dryer, High Performance Liquid Chromatography Mass Spectrometry (HPLC/MS), Nanodrop Spectrophotometer, Scanning Electron Microscope (SEM), Energy Dispersive X-ray Spectroscopy (EDS), Vacuum Centrifuge, Fume Hood, Ultrasonicator, Microbalance, Analytical Balance, pH and conductivity electrodes, Grinder, Furnace Oven, Fridge, UV/VIS/NIR Spectrophotometer  
Date of Defense: April 28, 2015

**Thesis Title: Preparation and In-Vitro Cytotoxicity Evaluation of Ruthenium Polypyridyl-Sensitized Paramagnetic Titania Nanoparticles for Photodynamic Therapy**

Graduate's Name: Mohamad Sakr

Department: Chemistry

Advisor's name: Tarek Ghaddar

Equipment Used: Bruker D8 Discover. Nicolet 4700, Thermo Electron Corporation. Nova 2200e Surface Area and Pore Size Analyzer, Quantachrome Instruments. Tescan Mira 3 MLU.X-Max Silicon drift detector, Oxford Instruments. 90Plus Particle Size Analyzer, Brookhaven Instruments Corporation. Fluorolog FL-1057 from Horiba Jobin Yvon. Jasco V-570. Others: Freeze drier, SEM Coater,

Date of Defense: April 27, 2015

**Thesis Title: Tuning the photophysical properties of Conjugated polyelectrolytes using Silver nanoparticles and Amphiphilic macromolecules.**

Graduate's Name: Ghinwa Hassan Darwish

Department: Chemistry

Advisor name: Dr. Pierre Karam

Equipment Used: Fluorometer, Scanning electron microscope (SEM), TGA, and NMR

Date of defense: April 23, 2015

**Thesis Title: Investigating the De-regulation and Bio-functional Relevance of Caveolin-1 in Muscular Laminopathies.**

Graduate's Name: Dima Abed Diab El Harakeh

Department: Biology

Advisor's name: Dr. Diana Jaalouk

Equipment Used: Nanodrop, Real-Time PCR, Xomat and Fluorescence Microscope

Date of Defense: April 20, 2015

**Thesis Title: Dynamics of Inter- and De-Intercalation of Fluorescent Probes and Mechanisms of Polymorphic Transformations in A Class of Layered Double Hydroxides**

Graduate's Name: Daniel Saba Saliba

Department: Chemistry

Advisor's name: Dr. Mazen Al Ghoul

Equipment Used: XRD, UV-VIS, SEM, Fluorometer (lifetime)

Date of Defense: April 17, 2015



**Thesis Title: Thermally Activated Persulfate as an Efficient and Sustainable Solution for The Removal of Pharmaceutical Compounds from Water: Application to Hospital Effluents**

Graduate's Name: Al Muthanna Tuqan

Department: Chemistry

Advisor's name: Dr. Antoine Ghauch

Equipment Used: HPLC/DAD/MS, HPLC/DAD/FLD, GC/MS, Freeze dryer, IC, AAS, SEM, BET.

Date of Defense: February 4, 2015

**Thesis Title: Control of Adult Neural Stem Cells (NSCs) by the Retinoblastoma Protein, pRb**

Graduate's Name: Dayana Hayek

Department: Biology

Advisor's name: Noel Ghanem

Equipment Used: Fluorescent microscope, tissue culture 314A

Date of Defense: January 22, 2015

## **2014:**

### **Thesis Title: Synthesis and characterization of new zinc oxide and gold nanoparticles conjugated to curcumin for environmental and biomedical applications**

Graduate's Name: Rasha Nawaf Moussawi  
Department: Chemistry  
Advisor's name: Dr. Digambara Patra  
Equipment Used: SEM, XRD, Fluoremeter, UV-Vis, Diffused Reflectance, Centrifuge, Freeze drier, Furnace AA  
Date of Defense: Dec 10 2014

### **Thesis Title: Effects of sub-lethal High Intensity Focused Ultrasound (HIFU) exposure on mammary epithelial tumorigenesis and cytotoxic response to anti-neoplastic agents**

Graduate's Name: Ingrid Younes  
Department: Biology  
Advisor's Name: Diana E. Jaalouk  
Equipment Used: Real-Time PCR machine, microscope, nanodrop to quantify RNA and proteins  
Date of Defense: November 25, 2014

### **Thesis Title: The role of the Retinoblastoma protein in the development of the olfactory system**

Graduate's Name: Carine Jaafar  
Department: Biology  
Advisor's name: Dr. Noel Ghanem  
Equipment Used: fluorescent microscope and deep freezer.  
Date of Defense: September 12, 2014

### **Thesis Title: Hematite and Titania Inverse Opals and Inverse Photonic Glass Nanostructured Films for Solar Energy Conversion and Water Splitting**

Graduate's Name: Remi Ghassan Fayad  
Department: Chemistry  
Advisor's name: Dr. Lara Halaoui  
Equipment Used: UV-vis spectroscopy, SEM, XRD, furnace oven.  
Date of Defense: September 10, 2014

**Thesis Title: Bioremediation of PAH-contaminated marine sediments using sediment microbial fuel cells**

Graduate's Name: Hamdan Zuheir Hamdan  
Department: Civil and Environmental Engineering  
Advisor's name: Dr. Darine Salam  
Equipment Used: HPLC, HPLC MS, Atomic Absorption, Nanodrop  
CRSL Users Graduates  
Date of Defense: August, 25, 2014

**Thesis Title: Crude and partially purified aqueous extracts from the sea cucumber holothurian polii induce a tumor suppressive phenotype in MDA-MB231 breast cancer cells.**

Graduate's Name: Mike Ibrahim El-Kareh  
Department: Biology  
Advisor's name: Dr. Rabih Talhouk  
Equipment Used: Cell culture, NMR, HPLC, flow cytometry  
Date of Defense: June 2014

**Thesis Title: What is the effect of urban emission of acid gases (NO<sub>2</sub> and SO<sub>2</sub>) on the physical and chemical properties of aerosols?**

Graduate's Name: Lubna Maher Dada  
Department: Chemistry  
Advisor's Name: Dr. Najat A. Saliba  
Equipment Used: Ion Chromatography, Sonicator, Furnace Oven, SEM  
Date of Defense: May 16, 2014

**Thesis Title: Synthesis, characterization and applications of surface-modified and molecularly-imprinted silica aerogels**

Graduate's Name: Naim Camille Saad  
Department: Chemistry  
Advisor's Name: Dr. Houssam El-Rassy  
Equipment Used: HPLC, Fluorometer, Furnace, XRD, AAS, SEM/EDX, Microbalance, UV-VIS  
Date of Defense: May 9, 2014

**Thesis Title: Low Resolution Paleoclimate Reconstruction, From Stable Isotope Analysis of Two Speleothems from The El-Kassarat and Rahwe Caves, In Lebanon**

Graduate's Name: Rena Darwich Karanouh

Department: Geology

Advisor's name: Dr. Ali Haidar

Equipment Used: Axiovert 200, Zeiss Fluorescence optical microscope, SEM.

Date of Defense: May 9, 2014

**Thesis Title: Evaluating the potential of local microalgae species for use as energy sources, nutritional supplements and biological control of plant pathogens**

Graduate's Name: Dina Saleh

Department: Agriculture

Advisor's name: Dr. Abou Jawdeh

Equipment Used: GC-MS, HPLC, Freeze drier.

Date of Defense: May 7, 2014

**Thesis Title: Oxidative Capacity of Coarse and Fine Particles in Different Environments**

Graduate's Name: Malek Mohammad Jaafar

Department: Chemistry

Advisor's name: Dr. Najat Saliba

Equipment Used: UV/Vis/NIR, SEM and Sonicating Bath

Date of Defense: May 7, 2014

**Thesis Title: Poly (amine) Based Tailored Made Ordered Nanocapsule: Preparation, Fluorescence Study and Application**

Graduate's Name: Mai Mouslmani

Department: Chemistry

Advisor's Name: Dr. Digambara Patra

Equipment Used: Fluorometer, SEM, FT-IR, Ultracentrifugation

Date of Defense: May 5, 2014

**Thesis Title: Two- And Three-Dimensional Chemical Waves in The Reaction-Diffusion System Of Mercuric Iodide In Hydrogel Media**

Graduate's Name: Mahmoud Malik Al Ayass

Department: Chemistry

Advisor's name: Prof. Mazen Al-Ghoul

Equipment Used: XRD, SEM, Freeze-dryer

Date of Defense: May 2, 2014

**Thesis Title: Antimicrobial Activity of Origanum ehrenbergii Extracts on Resistant Bacterial Strains**

Graduate's Name: Nathalie Joy Malek

Department: Nutrition and Food Science

Advisor's name: Dr. Mohamad Abiad

Equipment Used: GC-MS

Date of Defense: May 2, 2014

**Thesis Title: Degradation of Sulfamethoxazole by Persulfate Assisted Micrometric Fe<sup>0</sup> In Aqueous Solution: Assessment Of Bimetallic And Trimetallic Iron-Based Systems.**

Graduate's Name: Ghada Samir Ayoub

Department: Chemistry

Advisor's name: Antoine Ghauch

Equipment Used: SEM, HPLC/MS, UV/Vis, Nanodrop, XRD, AAS

Date of Defense: April 29, 2014

## **2013:**

### **Thesis Title: Using phosphoric acid as a source of fertilizers in calcareous soils**

Graduate's Name: Aiman Suleiman, MSc  
Department: AGSC/ FAFS  
Advisor's name: Dr. Isam Bashour  
Equipment Used: Atomic Absorption Spectrophotometer  
Date of Defense: December, 2013

### **Thesis Title: Signaling Mechanisms involved in the effects of mucosal leptin on Glucose absorption and Na<sup>+</sup>/K<sup>+</sup> ATPase in Caco-2 Cells**

Graduate's Name: Ola El Zein, PhD  
Department: Biology  
Advisor's name: Dr. Sawsan Kurraydiyyah  
Equipment Used: XOMAT, centrifuges  
Date of Defense: November 15, 2013

### **Thesis Title: The quinoxaline di-N-oxide DCQ blocks breast cancer metastasis by targeting the hypoxia inducible factor-1-alpha pathway**

Graduate's Name: Khaled Ghattass, PhD  
Department: Biology  
Advisor's name: Hala Muhtasib  
Equipment Used: XOMAT, FLOWCYTOMETER  
Date of Defense: September 20, 2013

### **Thesis Title: Functional Interactions between C-Type Lectins and Clip-Domain Serine Protease Homologs in *A. gambiae* Immune Responses**

Graduate's Name: Hassan Ahmed Yassine  
Department: Biology  
Advisor's name: Dr. Mike Osta  
Equipment Used: Cell Culture, Fluorescence Microscope, XOMAT, Nanodrop Spectrophotometer, Real Time PCR, Fluorometer  
Date of Defense: July 6, 2013

**Thesis Title: Molecular Characterization of Local Microalgae and Evaluation of their Potential Use for Biodiesel Production and as Plant Disease Control Agents**

Graduate's Name: Rewa Ghassan El Seblani  
Department: Plant Protection Agriculture  
Advisor's Name: Dr Yusuf Abou Jawdah  
Equipment Used: lyophilizer, centrifuge, Nanodrop, microscope, sonicator bath.  
Date of Defense: May 15, 2013

**Thesis Title: Connexin 43 over-expression induces partial mesenchymal-epithelial-transition in MDA-MB-231 breast cancer cells.**

Graduate's Name: Elia Tanios El Habre  
Department: Biology  
Advisor's Name Rabih Talhouk  
Equipment Used: Cell culture facility, centrifuge, dark room, flow cytometer, fluorescent microscope, real time pcr and nanodrop spectrophotometer.  
Date of Defense: May 15, 2013

**Thesis Title: Quantitative and qualitative assessment of sesquiterpene lactones' anticancer activities in cultivated and wild *Achillea falcata*.**

Graduate's Name: Rita Ghassan Tohmé  
Department: Biology  
Advisor's name: Dr. Nadine Darwiche  
Equipment Used: Nuclear Magnetic Resonance, Infrared Spectroscopy, Ultraviolet Detection, High Performance Liquid Chromatography coupled with Mass Spectrometry.  
Date of Defense: May 14, 2013

**Thesis Title: Molecular characterization of a newly introduced whitefly-transmitted crinivirus and assessment of its synergistic interaction with other viruses in cucumber**

Graduate's Name: Peter Elie Abrahamian  
Department: Agricultural Sciences  
Advisor's Name: Yusuf Abou-Jawdah  
Equipment Used: NanoDrop Spectrophotometer, CFX96 Touch thermocycler  
Date of Defense: May 9, 2013

**Thesis Title: Deregulated Caveolin-1 and Hic-5 Expression in Mouse Embryo Fibroblasts Lacking A-Type Lamin and Homozygous for the N195K Mutant Form**

Graduate's Name: Lara Adnan Kamand

Department: Biology

Advisor's name: Diana E. Jaalouk

Equipment Used: Nano-drop, Real-Time PCR, Fluorescent Microscope

Date of Defense: March 7, 2013

**Thesis Title: The Retinoblastoma Protein, pRb, Controls Adult Neurogenesis and the Generation of Newborn GABAergic Neurons in the Olfactory Bulb**

Graduate's Name: Rayan Naser

Department: Biology

Advisor's name: Dr. Noel Ghanem

Equipment Used: XOMAT, Fluorescence Microscope

Date of Defense: March 5, 2013



**2012:**

**Thesis Title: Comparative Effects of Parthenolide and a Sesquiterpene Lactone from *Cotula palaeosticta* subsp. *syriaca* on Tumor Phenotype of MDA-MB-231 Breast Adenocarcinoma Cells**

Graduate's Name: Bilal Nassib Nasr

Department: Biology

Advisor's name: Rabih Talhouk

Equipment Used: Cell Culture Facility, Centrifuges, Dark Room, ELISA Reader, Fluorescence - Microscope, Real Time PCR, Nanodrop Spectrophotometer

Date of Defense: October 30, 2012

**Thesis Title: Startup and Stability of Thermophilic Anaerobic Digestion Treats SS-OFMSW in the absence of an Acclimated Seed**

Graduate's Name: Sophia Abboud Ghanimeh

Department: Civil & Environmental Engineering

Advisor's name: Prof. Mutasem El-Fadel

Equipment Used: Gas Chromatograph

Date of Defense: 25 September, 2012

**Thesis Title: Growth of Cobalt Manganese Aluminium Thin Films By Pulsed Laser Deposition**

Graduate's Name: Nibelle Omar Skaf

Department: Physics

Advisor's name: Samih Isber

Equipment Used: X-ray; AFM; PLD

Date of Defense: July 18, 2012

**Thesis Title: Investigating The Effects of Residual High Intensity Focused Ultrasound Exposure On Cellular Viability and Mechanosensitive Gene Expression in MCF-10a And MDA-MB-231 Human Mammary Epithelial Cells**

Graduate's Name: Lori Hrair Malkhassian

Department: Biology

Advisor's name: Diana E. Jaalouk

Equipment Used: Nano-drop, Real-Time PCR, Fluorescent Microscope

Date of Defense: July 17, 2012

**Thesis Title: Chemical and Anti-inflammatory properties of Wild and Cultivated Cota Palestina subsp.Syriaca.**

Graduate's Name: Boushra Adib Ajeeb  
Department: Chemistry  
Advisor's name: Dr. Najat Saliba  
Equipment Used: NMR, HPLC-MS, GC.  
Date of Defense: July 9, 2012

**Thesis Title: Front propagation, kinetics and mechanism of intercalation/de-intercalation during the polymorphic transition of  $\alpha$ - to  $\beta$ - cobalt hydroxide.**

Graduate's Name: Janane Rahbani  
Department: Chemistry  
Advisor's name: Dr. Mazen Al-Ghoul  
Equipment Used: X-ray diffraction, SEM, Fluormeter, Fluorescence microscope, UV-Vis spectrophone.  
Date of Defense: June, 2012

**Thesis Title: Development and Investigation of New Organic Electrolytes and Complementary Counter Electrodes for Dye Sensitized Solar Cell**

Graduate's Name: Dalal Nouredine  
Department: Chemistry  
Advisor's name: Dr. Mazen Al-Ghoul  
Equipment Used: NMR, X-ray diffraction, SEM, Fluormeter, PLD, UV-Vis spectrophone.  
Date of defense: June, 2012

**Thesis Title: Influence of curcumin on membrane properties: curcumin as a molecular probe to study 1,2-dimyristoyl-sn-glycero-3-phosphocholine and 1,2-dipalmitoyl-sn-glycero-3-phosphocholine liposomes while interacting with ionic liquids**

Graduate's Name: Elsy Khoury  
Department: Chemistry  
Advisor's Name: Dr. Digambara Patra  
Equipment Used: X-ray diffraction, SEM, Fluormeter, DSC, UV-Vis spectroph.  
Date of Defense: June, 2012

**Thesis Title: Synthesis and Cyclopolymerization of 1-(2-diallylaminoethyl) Pyrimidines**

Graduate's Name: Alaa Hussein Ezzeddine

Department: Chemistry

Advisor's name: Dr. Kamal Bouhadir

Equipment Used: NMR, DSC, UV, GC-MS, FREEZ DRIER and IR

Date of Defense: May 28, 2012

**Thesis Title: Availability of potassium in Selected Lebanese soils.**

Graduate's Name: Mohamad Safieddine

Department: Agricultural Sciences

Advisor's Name: Dr. Isam Bashour

Equipment Used: X-ray diffraction

Date of Defense: February, 2012

**Thesis Title: Potassium availability in selected Lebanese soils.**

Graduate's Name: Mohamad Safieddine

Advisor's name: Dr. Isam Bashour

Equipment Used: Xray diffractometer

N.B. (Information from his thesis were published as a manuscript in the International Phosphate and Potash Institute IPP, journal in Switzerland. This manuscript received the award for the best published paper at FAFS for the 2012. (Dibbs award).

## **2011:**

**Thesis Title: shRNA-connexin-43 induces a tumor-like phenotype of mammary epithelial cells: A potential role for  $\beta$ -catenin signaling**

Graduate's Name: Dania AL-Labban

Department: Biology

Advisor's name: Dr. Rabih Talhouk

Equipment Used: Xomat, Flow cytometry, nano drop and Fluorescent microscope

Date of Defense: December 19, 2011

**Thesis Title: Fractal Structures in Two-Metal Electrodeposition Systems: Zn-Pb and Zn-Cu**

Graduate's Name: Elias Nakouzi

Department: Chemistry

Advisor's name: Dr. Rabih Sultan

Equipment Used: XRD, AAS

Date of Defense: Nov, 2011

**Thesis Title: Reactive Oxygen Species Mediate Thymoquinine Induced Cell Death in HTLV-1 Positive and Negative Cell Lines of T-Cell Leukemia.**

Graduate's Name: Eileen Dergarabedian

Department: Biology

Advisor's name: Dr. Hala Muhtasib

Equipment Used: Flowcytometer

Date of Defense: October 28, 2011

**Thesis Title: Synthesis of tungsten trioxide by microwave plasma assisted oxidation of tungsten thin films**

Graduate's Name: Al Mohtar, Abeer Atef.

Department: Physics

Advisor's name: Dr. Malek Tabbal

Equipment Used: XRD, AFM, PLD, Oxidation system

Date of Defense: Sep 20, 2011

**Thesis Title: Development of Serological and Molecular Techniques for the Detection of Potato Viral Diseases**

Graduate's Name: Jamil Samsatly

Department: Plant protection

Advisor's name: Dr. Youssef Abou Jawdah

Equipment used: XOMAT

Date of defense: August 24, 2011

## **2010:**

### **Thesis Title: Context-Dependent Reduction of Tumor Phenotype by Connexin-43 Overexpression in Mda-Mb-231 Cells: Involvement of B-Catenin Signaling**

Graduate's Name: Mohamed-Bilal Mashary Fares  
Department: Biology  
Advisor's name: Rabih Talhouk  
Equipment Used: Flow, fluorescent Microscope, Cell Culture  
Date of Defense: Aug 2010

### **Thesis Title: Tobacco smoking: phenols and cyanide comprising the borderline between narghile and cigarettes**

Graduate's Name: Rasha Abdul Halim  
Department: Chemistry  
Advisor's name: Najat A. Saliba  
Equipment Used: UV-visible  
Date of Defense: July 20, 2010

### **Thesis Title: The Exogenous Connexin 43 Induced Phenotype in 2d and 3d Cultures of MCF-7 Cells: Involvement of B-Catenin Signaling Pathways**

Graduate's Name: Gilbert Joseph Rahme  
Department: Biology  
Advisor's name: Rabih Talhouk  
Equipment Used: Flow, fluorescent Microscope, Cell Culture  
Date of Defense: July 2010

### **Thesis Title: Solubility of aerosols in the eastern Mediterranean: the effect of gaseous acids and bases in the atmosphere on the solubility of aerosols**

Graduate's Name: Ashraf Ziad Chamseddine  
Department: Chemistry  
Advisor's name: Najat A. Saliba  
Equipment Used: Ion chromatography-sonicator-Atomic absorption  
Date of Defense: July 8, 2010

## **2009:**

**Thesis Title: Acute Effect of PYY injections and Caffeine intake on postprandial hepatic glycogenesis and lipogenesis in rats.**

Graduate's Name: Malak Rahal  
Date of Defense: October 27, 2009

**Thesis Title: Self-Organization in Chemistry: 1. pH Oscillations in a Bromate-Sulfite-Perchloric Acid System and 2. Infiltration-Acidization-Deposition Dynamics in a Ferruginous Limestone Rock**

Graduate's Name: Farah Zaknoun  
Department: Chemistry  
Advisor's name: Rabih Sultan  
Equipment Used: Powder XRD diffractometer  
Date of Defense: October 20, 2009

**Thesis Title: Enhancement of cell death by Linalyl Acetate and  $\alpha$ -Terpineol through targeting the Nuclear Factor- $\kappa$ B activation pathway in human colon cancer cells.**

Graduate's Name: Sally Deeb  
Department: Biology  
Advisor's name: Dr. Hala Gali-Muhtasib  
Equipment Used: Flow Cytometer, Fluorescent Microscope and Xomat  
Date of Defense: on August 20, 2009

**Thesis Title: The Effect of Exogenous Connexin-43 Expression On 2d and 3d Cultures of Mcf-7 Human Mammary Epithelial Tumor Cell Line**

Graduate's Name: Tina Chadi El Rayes  
Department: Biology  
Advisor's name: Rabih Talhouk  
Equipment Used: Flowcytometry, Cell Culture, Fluorescent microscope,  
Date of Defense: Aug 2009

**Thesis Title: Connexin-43 Reduces Tumor Phenotype of Mammary Epithelial Tumor Cell Line (Mda-Mb231) Through A Context-Dependent Mechanism**

Graduate's Name: Hanaa Hassan Hariri

Department: Biology

Advisor's name: Rabih Talhouk

Equipment Used: Flowcytometry, Cell Culture, Fluorescent microscope

Date of Defense: Aug 2009

**Thesis Title: A novel method for the synthesis of 3,5-disubstituted-(NH)-1,2,4-triazoles from 3,6- diaryl-1,2,4,5-tetrazines**

Graduate's Name: Ebrahim Ghazvini Zadeh

Department: Chemistry

Advisor's Name: Dr. Makhlouf Haddadin

Equipment Used: GC MS and NMR.

Date: July 2009

**Thesis Title: A Safety Assessment of Selected Lebanese Rural Traditional Products and the Implementation of HACCP for Marketing Purposes.**

Graduate's Name: Darine Emile Barakat

Department: Nutrition Department

Advisor's Name: Dr. Zeina Kassaify

Equipment Used: Atomic Absorption Spectrophotometer

**Thesis Title: Phase Control of Manganese Dioxide Thin Films by Plasma Assisted Laser Ablation**

Graduate's Name: Maya Abi Akl

Department: Physics Department

Advisor's Name: Dr. Malek Tabbal

Equipment Used: XRD and PLD

**Thesis Title: Synthesis of some quinoxalines, quinoxaline 1,4-dioxides, and quinoxalinocinnoline N-oxides**

Graduate's Name: Mirna Basman El Khatib

Department: Chemistry Department

Advisor's Name: Dr. Makhlouf Haddadin

Equipment Used: NMR



**Thesis Title: A Novel Method for The Synthesis of 3,5-Disubstituted-1,2,4-Triazoles from 3,6-Diaryl-1,2,4,5-Tetrazines**

Graduate's Name: Ebrahim Ghazvini Zadeh  
Department: Chemistry Department  
Advisor's Name: Dr. Makhlof Haddadin  
Equipment Used: NMR, UV-VIS Spectrometer, GC-MS.

**Thesis Title: Probe Measurement in Low Pressure Microwave Expanding Excited Plasma.**

Graduate's Name: Noura Abdalla  
Department: Physics Department  
Advisor's Name: Dr. Malek Tabbal  
Equipment Used: PLD

**Thesis Title: Mechanisms of DNA damage by 2-benzoyl-6,7-dichloro-3-phenylquinoxaline 1,4-dioxide (DCQ) in human colon cancer cells**

Graduate's Name: Mona El Khatib  
Advisor's name: Dr. Hala Gali-Muhtasib  
Department: Biology  
Equipment Used: Flow Cytometer, Fluorescent Microscope and Xomat  
Date of Defense: August 20, 2009

**Thesis Title: Effect of ceramide, sphingosine and sphingosine 1- phosphate on Na<sup>+</sup>/K<sup>+</sup> ATPase in HepG2 cells**

Graduate's Name: Zeina Dakroub  
Department: Biology  
Advisor: Sawsan Kreydiyyeh  
Equipment Used: Optimax automatic X-ray film processor

**Thesis Title: Extract and mechanism of action of pine bark extract on intestinal glucose transport**

Graduate's Name: Ola El-Zein  
Department: Biology  
Advisor: Sawsan Kreydiyyeh  
Equipment Used: Optimax automatic X-ray film processor, superspeed centrifuge  
Advisor: Sawsan Kreydiyyeh

## **2008:**

### **Thesis Title: Gap Junctions Mediate a STAT-5 Independent Beta-Casein Expression**

Graduate's Name: Antoine Abboud Khalil

Department: Biology

Advisor: Dr. Rabih Talhouk

Equipment Used: XOMAT

Date of Defense: June 12, 2008

### **Thesis Title: The effect of exogenous connexin43 expression on mammary epithelial tumor cell lines.**

Graduate's Name: Hashem A. Dbouk

Department: Biology

Advisor: Dr Rabih Talhouk

Equipment Used: XOMAT, flowcytometer, and fluorescence microscope

Date of Defense: June 11, 2008

### **Thesis Title: Synthesis of some Quinoxalines, Quinoxaline 1,4-dioxides, and Quinoxalinocinnoline N-oxide**

Graduate's Name: Mirna El-khatib

Department: Chemistry

Advisor: Dr. Haddadin

Equipment Used: NMR and HPLC-MS

Date of Defense: June 2008

### **Thesis Title: The effect of dietary phosphorus manipulation on lipid status of rats maintained on a high fructose diet.**

Graduate's Name: Lama E Mattar

Department: Nutrition

Advisor: Dr. Omar Obeid

Equipment Used: HPLC

Date of Defense: June 2008

**Thesis Title: The effect of Branched chain amino acids on meal patterns in rats**

Graduate's Name: Nabihah G Ramadan  
Department: Nutrition  
Advisor: Dr. Omar Obeid  
Equipment Used: HPLC  
Date of Defense: June 2008

## **2007:**

**Thesis Title: The Role of Signal Transducer and Producer of Transcription 3 and Reactive Oxygen Species in Gallotannin – Induced Antiproliferation and Apoptosis in Human Colon Cancer.**

Graduate's Name: Widian Fouad Abi Saab  
Department: Biology  
Advisor's Name: Dr. Hala Muhtasib  
Equipment Used: Flowcytometer, XOMAT, Gel Documentation System  
Date of Defense: October, 2007

**Thesis Title: The Role of DNA damage Pathways in the Radiosensitizing Effects of 2-Benzoyl-6,7-dichloro-3-Phenylquinoxaline 1,4-Dioxide**

Graduate Name: Joelle Michel Haykal  
Department: Biology  
Advisor: Dr. Hala Muhtasib  
Equipment used: Flowcytometer, Fluorescence Microscope, Gel Documentation System, Cell Culture Facility.  
Date of Defense: February 28th, 2007

**Thesis Title: Oil Spill Contaminants in Selected Vertebrates and Invertebrates of the Eastern Mediterranean Sea.**

Graduate's Name: Alia Sabra  
Department: Ecosystem Management  
Advisor's Name: Dr. Elie Barbour  
Equipment Used: Microwave Digestion

**2006:**

**Thesis Title: Mass Concentration and Inorganic Composition of Ambient Aerosols in Suburban Beirut**

Subtitle: Implications Regarding Local Emissions and Long Range Transport  
Graduate's Name: Hovig Khoren Kouyoumdjian  
Department: Chemistry  
Advisor's Name: Dr. Najat Saliba  
Equipment Used: Ion Chromatography, Flame and Furnace Atomic Absorption Spectrophotometry, Microwave Digestion.  
Date of Defense: December 23rd, 2005

**Thesis Title: Perinatal Hypoxia-Induced Apoptosis: New insights**

Graduate Name: Diana Jehad Azzam  
Department: Biochemistry  
Advisor: Dr. Mohammad Mikati  
Equipment Used: HPLC  
Date of Defense: September 2006

**Thesis Title: Induction of Apoptosis by Ascorbic Acid in HTLV-1-Positive and – Negative Malignant T-cells.**

Graduate Name: Jihane khalife  
Department: Biology  
Advisor: Dr. Elias Baydoun  
Equipment Used: Flow Cytometer, Spectrophotometer, Gel Documentation System, Cell Culture Facility.  
Date of Defense: September 2006

**Thesis Title: Identification and characterization of crude and purified extracts from the Indigenous Lebanese plant EP using models of squamous cell carcinogenesis.**

Graduate Name: Racha Halawi

Department: Biology

Advisor: Dr. Nadine Darwiche

Equipment Used: Flow Cytometer- Cell culture facility

Date of Defense: June 2006

**Thesis Title: Radio sensitization by 2-benzoyl-3-phenyl-6,7-dichloro phenylquinoxaline 1,4-dioxide under oxic and hypoxic conditions: Potential Mechanisms Involved**

Graduate Name: Wafica Sami Itani

Department: Biology

Advisor: Dr. Hala Muhtasib

Equipment used: XOMAT, flowcytometer, gel documentation system

Date of Defense: March 9, 2006

## **2005:**

**Thesis Title: Transport and Magnetic Properties of the New High Temperature Superconductors  $Tl_2Ba_2Ca_2Cu(3-x)FexO_{10}$  and  $Tl_2Ba_2Ca_2Cu(3-x)ZnxO_{10}$**

Graduate's Name: Haybat Itani

Department: Physics

Advisor: Dr. Samih Isber

Equipment Used: XRD, PPMS

Date: November 18th, 2005

**Thesis Title: Differential Apoptosis by Galotanin in Human Colon Cancer Cells Distinct in their P53 Status: Potential Mechanisms Involved.**

Graduate's Name: Sahar Al Ayyoubi

Department: Biology

Advisor: Dr. Hala Muhtasib

Equipment Used: Flowcytometer, Xomat, Real Time PCR

Date of Defense: October 28th, 2005

**Thesis Title: Isolation, Molecular Characterization and Antimicrobial Resistance of Brucella and Listeria Species in Representative Lebanese Foods**

Graduate's Name: Nisreen Hassan Alwan  
Department: Biology  
Advisor: Dr. Steve Harakeh  
Equipment Used: PCR, Gel Documentation System  
Date of Defense: September 29, 2005

**Thesis Title: Induction of Apoptosis by Epigallocatechin-3-Gallate (EGCG) in HTLV-1-Positive and – Negative Malignant T-Cells**

Graduate's Name: Khalil Ahmad Abou El Ardat  
Department: Biology  
Advisor: Dr. Steve Harakeh  
Equipment Used: Flowcytometer, XOMAT, Gel Documentation System  
Date of Defense: September 15, 2005

**Thesis Title: Evaluation of the Contamination Status and Antimicrobial Resistance of Staphylococcus and Salmonella Species Isolated from Dairy Based Products in Lebanon**

Graduate's Name: Omar Nayef Zouhairi  
Department: Biology  
Advisor: Dr. Steve Harakeh  
Equipment Used: PCR, Gel Documentation System  
Date of Defense: August 17, 2005

**Thesis Title: Effect and Mechanism of Action of TNF-Alpha and PGE2 on Ion Transporters in Kidney and Liver Cells**

Graduate's Name: Sara Riman  
Department: Biology  
Advisor: Dr. Sawsan Kreydiyyeh  
Equipment Used: XOMAT, Gel Documentation System  
Date of Defense: August 5, 2005

**Thesis Title: Antimicrobial Resistance of E. coli and Y. enterocolitica Isolated from Dairy Based Foods in Lebanon**

Graduate's Name: Iman Saleh  
Department: Biology  
Advisor: Dr. Steve Harakeh  
Equipment Used: PCR, Gel Documentation System  
Date of Defense: July 14, 2005

**Thesis Title: Mammary Epithelial Differentiation: The Role of Heterocellular Gap Junctional Intercellular Communication (GJIC) and Connexin Associated Proteins.**

Graduate's Name: Rana Mroue  
Department: Biology  
Advisor: Dr. Rabih Talhouk  
Equipment Used: XOMAT. Fluorescence Microscope, Flowcytometer, Centrifuge, Tissue Cell Culture Facility  
Date of Defense: July 1, 2005

**Thesis Title: Mammary Epithelial Cell Differentiation: A Role for Connexin 30**

Graduate's Name: Maysa Mkalled  
Department: Biology  
Advisor: Dr. Rabih Talhouk  
Equipment Used: XOMAT. Fluorescence Microscope, Flowcytometer, Centrifuge, Tissue Cell Culture Facility  
Date of Defense: July 1, 2005

## **2004:**

### **Thesis Title: Syntheses of Tosylhydrazone Derivatives of 3,4-Substituted Cyclopentanones**

Graduate's Name: Bilal Abou Aleiwe

Department: Chemistry

Advisor: Dr. Kamal Bouhadir

Equipment Used: NMR spectrometer

### **Thesis Title: Rhythmicity, Composition and Geological Simulation in Front Propagation Systems with Dissolution and Periodic Precipitation.**

Graduate's Name: Maysam Al-Msharrafieh

Department: Chemistry

Advisor: Dr Ribih Sultan

Equipment Used: AAS

### **Thesis Title: Amorphous to Crystalline Phase transition in Pulsed Laser Deposited Silicon Carbide**

Graduate's Name: Aurore Said

Department: Physics

Advisor: Dr. Malek Tabbal

Equipment Used: PLD, XRD, AFM

### **Thesis Title: The Way to Natural Bioactive Products in an endemic Lebanese Plant**

Graduate's Name: Saada Dakdouki

Department: Chemistry

Advisor: Dr. Najat A. Saliba

Equipment Used: HPLC, NMR

### **Thesis Title: Syntheses of 3,4-Substituted Cyclopentanols: Precursors to Carbocyclic Nucleoside Analogs**

Graduate's Name: Niveen Nasser

Department: Chemistry

Advisor: Dr. Kamal Bouhadir

Equipment Used: NMR spectrometer



**Thesis Title: Growth of Chromium Oxides By Laser Ablation of Cr<sub>2</sub>O<sub>3</sub>**

Graduate's Name: Samer Kahwagy.  
Department: Physics  
Advisor: Dr. Malek Tabbal  
Equipment Used: PLD, XRD, AFM

**Thesis Title: Assessment of Anemia, Iron, Folate, and Vitamin B12 Status in Lebanese Women of Childbearing Age**

Graduate's Name: Lynn El Khatib  
Department: Nutrition  
Advisor: Dr. Nahla Hwalla  
Equipment Used: HPLC

**Thesis Title: Modification of Glucocorticoid Effects on Body Weight Gain and Plasma Lipids, By Changes in Diet Composition**

Graduate's Name: Annie Dekermenjian  
Department: Nutrition  
Advisor: Dr. Nahla Hwalla  
Equipment Used: Fluorescence Microscope

**Thesis Title: Outdoor Chemistry of Carbonyls in the Coastal Atmosphere of Lebanon**

Graduate's Name: Samar Moussa  
Department: Chemistry  
Advisor: Dr. Najat A. Saliba  
Equipment Used: HPLC

**Thesis Title: Potential mechanisms of colon cancer prevention by thymoquinone extract from black seed with an of it antioxidant activities**

Graduate's Name: Hiba Moukadem  
Department: Biology  
Advisor: Dr. Hala Muhtasib  
Equipment Used: Flowcytometer, Xomat

**Thesis Title: Preliminary Evaluation of Two Lebanese Folk Medicinal plants for their Anti-Inflammatory Potentials**

Graduate's Name: Malak Esseily  
Department: Biology  
Advisor: Rabih Talhouk  
Equipment Used: Xomat, Centrifuge, Cell Culture Facility

**Thesis Title: Role of Insulin and angiotensin II receptor subtype I antagonist on Endothelin-I binding in diabetic rat hearts**

Graduate's Name: Shehadeh Nehman Karam  
Department: Human Morphology  
Advisor: Dr. Nuha Nuwayri-Salti  
Equipment Used: Fluorescence Microscope

**2003:**

**Thesis Title: Molecular Mechanisms of Antineoplastic Effects by Thymoquinone in Neoplastic Keratinocytes**

Graduate's Name: Wassim Gergy Abou Kheir  
Department: Biology  
Advisor's Name: Dr. Hala Muhtasib  
Equipment Used: Flowcytometer, Fluorescence Microscope

**Thesis Title: Mechanisms of HPR-Induced Cell Death in HTLV-1 Transformed**

Graduate's Name: Humam Nabil Kabbara  
Department: Biology  
Advisor's Name: Dr. Nadine Darwiche  
Equipment Used: Flowcytometer, and Fluorescence Microscope

**Thesis Title: Characterization of Potential Anti-Inflammatory Bioactivities in Selected Indigenous Medicinal Plants of Lebanon**

Graduates Name: Wassim El-Jouni

Department: Biology

Advisor's Name: Dr. Rabih Talhouk

Equipment Used: Fluorescence Microscope, X-Ray Film Developer

**Thesis Title: The Gap Junction Protein Complex: Role in Mammary Epithelial Cell Differentiation**

Graduate's Name: Ralda Nehme

Department: Biology

Advisor's Name: Dr. Rabih Talhouk

Equipment Used: Flowcytometer, X-Ray Film Developer, Fluorescence Microscope, and Gel Documentation System

**Thesis Title: The Role of Heterocellular Gap Junctional Communication in Mammary Epithelial Cell Differentiation**

Graduate's Name: Lina Abi Mosleh

Department: Biology

Advisor's Name: Dr. Rabih Talhouk

Equipment Used: Flowcytometer, X-Ray Film Developer, Fluorescence Microscope, and Gel Documentation System.

**Thesis Title: Regulation of COX-2 by Statins**

Graduate's Name: Ishraq Shamseddeen

Department: Medical School

Advisor's Name: Dr. Aida Habib

Equipment Used: Gel Documentation System, and ELISA Reader

**2002:**

**Thesis Title: Effect of GJIC Modulation on JAK2/STATS in Mammary Cells in Vitro**

Graduate's Name: Ayman Mohammad Ismail

Department: Biology

Advisor's Name: Dr. Rabih Talhouk

Equipment Used: X-ray film processor, and Fluorescence Microscope

Date of Defense: July, 2002

**Thesis Title: The Antimicrobial Effects of Components of the Oil of Lebanese Sage (Salvia Libanotica)**

Graduate's Name: Rodaina Omar Haidar

Department: Biology

Advisor's Name: Dr. Medhat Khattar

Equipment Used: Fluorescence Microscope

**Thesis Title: Isolation and Priliminary Characterisation of a New Temperature-Sensitive Allele of the NAD + Ligase Gene (LIGA) in Escherichia Coli**

Graduate's Name: Hadi Mohamad Yassine

Department: Biology

Advisor's Name: Dr. Medhat Khattar

Equipment Used: Fluorescence microscope

**Thesis Title: Isolation and Characterisation of a Temperature-Sensitive Mutation in the 88-89 Minutes of the Escherichia Coli Chromosome**

Graduate's Name: Issmat Ibrahim Kassem

Department: Biology

Advisor's Name: Dr. Medhat Khattar

Equipment Used: Fluorescence Microscope

**Thesis Title: Development of Serological Assays for Diagnosis of Cucurbit Yellow Stunting Disorder Virus using Molecular Techniques**

Graduate's Name: Hala Hourani

Department: Agriculture

Advisor's Name: Dr. Youssef Abou Jawdeh

Equipment Used: Fluorescence Microscope, Gel Documentation System, Super Speed Centrifuge, Water Deionizer, and Distiller

**Thesis Title: Development of Molecular Techniques for Specific Identification of Almond and Tomato Phytoplasmas**

Graduate's Name: Shoa El-Mehtar

Department: Agriculture

Advisor's Name: Dr. Youssef Abou Jawdeh

Equipment Used: X-ray Film Developer, Water Deionizer, and Distiller

**Thesis Title: Development of Molecular Biology Techniques for the Diagnosis of Frunus Necrotic Ringspot Virus**

Graduate's Name: Hadia Kawtharani

Department: Agriculture

Advisor's Name: Dr. Youssef Abou Jawdeh

Equipment Used: Super Speed Centrifuge, Water Deionizer, and Distiller

**Thesis Title: Morphological and Biomedical Alterations of Intestinal Tissues in Experimental Inflammatory Bowel Disease**

Graduate's Name: Naim Khoury

Department: Medical School

Advisor's Name: Dr. Abdo Jurjus

Equipment Used: Fluorescence Microscope