**Christelle ISKANDAR**

Drive Inn Street Date of Birth: October 3rd, 1989

Kfaryassin - Kesserwan Place of Birth: Kobayat, Lebanon

Mont Liban - Lebanon Citizenship: Lebanese

Mobile France: +33 6 68 16 84 84 Marital Status: Single

Mobile Lebanon: +961 78 95 99 25 Email:christelle\_iskandar@hotmail.com **Research Interests**

Food technology

Food Microbiology

Comparative genomics and metagenomic

Bacterial metabolism, identification and interaction

**Teaching Interests**

Genetics

Metabolic pathways

Microbiology

Food safety

Food processing

**Education**

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| --- | --- |
| September 2013-  December 2015 | PhD in Biotechnology and Food Processing  LIBio-ENSAIA-University of Lorraine - Lorraine, France  Thesis title: Comparative genomic analysis of *Carnobacterium maltaromaticum:*  Study of diversity and adaptation to different environment. |
| September 2010-  June 2013 | Food Engineering  Saint Joseph University - ESIA Ecole Supérieure d’Ingénieurs Agroalimentaires  Taanayel, Lebanon  Institut Polytechnique Lasalle Beauvais-France (Exchange)  Emphasis: Food Safety – Alimentation and Health |
| September 2007-  June 2010 | Bachelor in Life Science Faculty of Science, Section 2  Lebanese University Fanar, Lebanon |
| May 2007 | Lebanese Baccalaureate - Life Sciences Collège Saint Joseph Antoura, Lebanon |

**Teaching Experience**

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| May 2016 | University of Balamand – Baino AKKAR Lebanon  Moderator in the jury of the final project in the field of Dairy production and innovation |
| May 2016 | University of Balamand – Baino AKKAR Lebanon  Moderator in the jury of the final project in the field of Agriculture- Aquaponic system |
| February 2016 –  May 2016 | University of Balamand – Baino AKKAR Lebanon  Introduction to chemistry (CHEM 102) for remedial program. |

**Research Experience**

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| September 2013-  December 2015 | Determination of species characteristics by searching genetic data using electronic platform.  Bacterial metabolism and physiology:  Overview on the bacterial behavior in different environments. Study of the different metabolic pathways and interactions with the medium and other organisms.  Bacterial identification and taxonomy:  Amino acid sequencing by the method of Sanger and construction of phylogenetic trees using different techniques such as molecular typing by MLST and Maldi TOF. |

**Industrial Experience**

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| July 2012-  May 2013 | Internship: Quality and safety of ice cream in Lebanon. Aim: Final project - obtain the engineering certificate  LARI (Lebanese Agricultural Research Institute) – Lebanon  Study in compliance with standards regarding microbiological and dyes. |
| August 2011 | Internship; Dairy production  ‘Al-Kayssar’ dairy production – Lebanon  Training on production lines of fresh traditional cheeses, “Labneh” and “Laban” (yogurt). |
| July 2011 | Internship: Food safety and Audit.  Crepaway restaurants – Lebanon  Restaurant inspections of the adequate maintenance of hygiene, reception of raw materials, time management, temperature products, internal audit and HACCP. |
| January 2011-  February 2011 | Internship: Quality Control of food.  LARI – Lebanese Agricultural Research Institute – Lebanon  Microbiological testing of food, water, physicochemical tests, aflatoxin. |

**Communications**

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| April 14th 2016-  April 15th 2016 | 22nd International Scientific Conference of LAAS; USEK - Lebanon  Oral Presentation: Genes associated to lactose metabolism illustrate the high diversity of *Carnobacterium maltaromaticum* |
| June 17th 2015-  June 19th 2015 | 20th edition of the CBL (Club des Bactéries Lactiques); Lille - France  Poster: Genomic Analysis and diversity of *Carnobacterium maltaromaticum*:  example of the lactose metabolism |

**Publications**

**Iskandar, C.F**., Cailliez-Grimal, C., Rahman, A., Rondags, E., Remenant, B., Zagorec, M., Leisner, J.J., Borges, F., Revol-Junelles, A.-M.,   
Genes associated to lactose metabolism illustrate the high diversity of *Carnobacterium maltaromaticum*,   
**Food Microbiology (2016)**, doi: 10.1016/j.fm.2016.03.008.

Publication in progress (submission expected in summer 2016):   
Diversity within Lactic Acid Bacteria towards lactose/galactose utilization; comparison of *Carnobacterium maltaromaticum* to other Lactic acid bacteria.

Publication in progress (submission expected in summer 2016):   
Cell wall component of *Carnobacterium maltaromaticum* strains determines their adaptation to niches.

**Computer Skills**

Microsoft Applications: Word, Access, Excel, Outlook and Power Point.  
SPSS

Excellent Internet research skills.

**Technical skills**

Comparative genomics tools: Artemis, ACT, Genoscope Mage, Mauve

HPLC

Spectroscopy

MALDI TOF

PCR

**Language Skills**

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|  | **Speaking** | **Writing** | **Reading** |
| Arabic (Native) | Excellent | Excellent | Excellent |
| English | Excellent | Excellent | Excellent |
| French (DELF B2) | Excellent | Excellent | Excellent |

**Tertiary Education**

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| March 2015-  April 2015 | Project Management (MOOC “ABC de la gestion de projet – parcours classique”) |
| March 2015 | Risk Management |
| March 2015 | Technics for educational innovations |
| December 2014 | Data analysis |
| June 2014 | Participation in the Lorraine regional competition “My thesis in 180 seconds” |
| March 2014 | Risk analysis of research laboratories |

**Personal Data**

Scout Movement Volunteer (1997-2006).

Enjoy group activities, dancing, cooking and travelling.

**References**

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| Dr. Maya Kharrat Sarkis | Saint Joseph University of Beirut - Ecole Supérieure d’Ingénieurs Agroalimentaire Taanayel, BP 159 Zahlé, Lebanon Office: +961 8 543 120 Email: [maya.kharrat@usj.edu.lb](mailto:maya.kharrat@usj.edu.lb) |
| Pr. Anne-Marie Revol Junelles | University of Lorraine - Ecole Nationale Supérieure d’Agronomie et des Industries Alimentaires - Laboratoire d’Ingénierie des Biomolécules  2, avenue de la Forêt de Haye TSA 40602 - F 54505 Vandœuvre-lès-Nancy - France Office : +33 3 83 595876 - Email : [anne-marie.revol@univ-lorraine.fr](mailto:anne-marie.revol@univ-lorraine.fr) |
| Dr. Rodrigue El Balaa | University of Balamand- Agriculture Department  Issam Farès Faculty of Technology  Baino Akkar Lebanon Office :  06 93 02 50  ext. 5414 (Akkar) ext. 3839 (Koura) - Mobile : 71 43 21 88  Email : [rodrigue.elbalaa@balamand.edu.lb](mailto:rodrigue.elbalaa@balamand.edu.lb) |