

Mohammad WAZNE

Curriculum Vitae



Nationality

Lebanese



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Birthday

09/10/1993



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Languages

Arabic: (native)
English (read, written, spoken)
French (beginner)



Computer Skills

Mendeley and Zotero
Microsoft Office: Word, Excel
and Power Point
SPSS Statistics, XLStat
and R software
Orange software



Interests

Basketball
Body fitness
Outdoors activities
Watching animated series



Distinction

Prize of a best poster among 76
offers a seminar at the University
of Lorraine - February 2018



References

- hiram.castillo_michel@esrf.fr
+33 (0) 476 88 26 07
- geraldine.sarret@univ-grenoble-alpes.fr
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Experiences

Research project:

March 2019 – September 2019

- **Location:** European Synchrotron Radiation Facility (ESRF) – Grenoble - France
- **Subject:** Fate of nanoplastics in the environment: improving cryogenic sample preparation for imaging techniques

Research project:

October 2018 – February 2019

- **Location:** Institut des Sciences de la Terre (ISTerre) – Grenoble – France
- **Subject:** Studying the transfer and effect of plastic nanoparticles on wheat plants

Research project:

April 2017 – June 2018

- **Location:** Laboratoire sols et environnement (LSE) – Nancy – France
- **Subject:** Phytoremediation of multi-contaminated sites using the application of phytohormones

Private tutoring:

October 2016 – February 2017

- **Location:** Bierut – Lebanon
- **Subject:** Biology courses for undergraduate students

Master 2 project:

February 2016 - July 2016

- **Location:** Laboratoire sols et environnement (LSE) - Université de Lorraine - Nancy – France
- **Subject:** Potential of endophytic bacteria PGPE on the physiological traits of *Noccaea caerulea* under drought conditions
- **Average:** 85/100 (Rank: 1/11)

Master 1 project:

March 2015 – July 2015

- **Location:** Microbiology Laboratory – Lebanese University – Hadath Campus – Lebanon
- **Subject:** Chemical analysis and antimicrobial activity of essential oil extracts of *Ecballium elaterium* flowers.
- **Average:** 90/100



Education

Lebanese University – Faculty of Science I – 2011 – 2016

- **Master 2 research:** Applied plant biotechnology 2015 – 2016
- **Master 1:** Plant Biology and Environment 2014 – 2015
- **Bachelor's degree:** Biology 2011 – 2013

New Century School – Beirut – Lebanon – July 2011

- **Lebanese Baccalaureate:** Life Sciences (Good average)



Skills

Physiological analysis

(photosynthesis, oxidative stress, protein content,...)

Environmental physico-chemical analyses

(sample acid digestion, mineralization, DTPA analysis, CEC analysis, pH, conductivity, PAH extraction, hydrodistillation technique...)

Microbiology and molecular tools

(genomic extraction, DNA quantification by spectrophotometer, PCR technique, gel electrophoresis, culturing of bacteria,...)

Imaging techniques

(scanning electron microscope (SEM), X-ray micro computed tomography (micro-ct) and Fourier-transformed infrared spectroscopy (FTIR), WinRhizo)

Spectroscopic analytical techniques

(dynamic light scattering (DLS), inductively coupled plasma emission spectrometer (ICP-OES))



Scientific production

Writing one scientific article (in progress):

- **Title:** *Interactions and impacts of wheat plants grown in the presence of nanoplastic* – **Co-author:** Geraldine Sarret