

Mirna Bourghol

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EDUCATION

09/18 to 09/19 **Lebanese University (LU)** **Beirut, Lebanon**
Master 2 in Physical Chemistry, Material and Catalyst

09/16 to 06/17 **Lebanese University (LU)** **Beirut, Lebanon**
Master 1 in Environmental Chemistry

WORK EXPERIENCE

10/22 to 07/23 **Teacher – Lycée de la finesse** **Beirut, Lebanon**
Teaching grade 8, 10 and 11

- Topic: Biology for grade 8
- Topic: Chemistry for grade 10 and 11

08/22 to 01/23 **Teacher – School tube** **Beirut, Lebanon**
Teaching grade 7 and 9

- Topic: Physics and chemistry

10/21 to 07/22 **Teacher – SIC** **Beirut, Lebanon**
Teaching grade from 7 to 12

- Topic: Biology and chemistry

09/21 till now **Teacher – Haret hreik official 2** **Beirut, Lebanon**
Teaching grade from 7 to 9

- Topic: Biology Physics and Chemistry

05/21 to 07/21 **Teacher – Galaxy teaching center** **Beirut, Lebanon**
Teaching grade from 5 to 11

- Topic: math and science for grade 5 and 6
- Topic: Biology Physics and Chemistry for grade from 7 to 11

11/20 to 05/21 **Teacher – Grand international school GIS** **Beirut, Lebanon**

- Topic: biology and chemistry for grade 7 and 9
- Topic: physics for grade 7

01/19 to 06/20 **Teacher – La cité culturelle scientifique CCS** **Beirut, Lebanon**

- Topic: math and sciences for grade 2, 3 and 4

09/19 to 02/20 **Institute – Get Ready** **Beirut, Lebanon**

- Topic: Biology and Physics for grade from 6 to 9
- Topic: Chemistry for grade from 6 to 12

09/16 to 12/18 **Research Assistant – Environmental Engineering Research Center (AUB)** **Beirut, Lebanon**

- Provided technical and analytical assistance in an on-going Ph.D. thesis project entitled “The Fate of Estrogens in the Presence of Vegetable Wastes”
- Conducted a divers set of laboratory tests on water and wastewater samples as part of the EERC client services
- Guided senior engineering students with their final year project-related experimental coursework
- Managed a team of 8 graduate assistants by delegating and supervising their laboratory duties
- Completed chemical and biochemical safety trainings in laboratories

02/17 to 06/18 **Tutor – Retention Support Program (UNICEF)** **Beirut, Lebanon**

- Tutored Math, Chemistry, Physics, Biology, subjects to 5th, 6th, and 7th grade students
- Handled a total of 30 students on a yearly basis

RESEARCHES & PROJECTS

02/19 to 09/19 **Lebanese University –Materials, Catalysis, Environmental and Analytical Methods (MCEMA)**

- “Controlled synthesis of microstructure of barium molybdate $BaMoO_4$ and barium molybdate doped with iron $BaMoO_4:Fe^{3+}$ with coprecipitation method for photodegradation” – Under the supervision of Prof Joumana Toufaily, Dr Hussein Medlej and Dr Nadine Dirany

09/16 to 08/18 **American University of Beirut (AUB) – Environmental Engineering Research Center (EERC)**
• “The Fate of Estrogens in the Presence of Vegetable Wastes” – Under the supervision of Dean Makram Suidan, and EERC manager Ramez Zayyat

Spring 2018 **American University of Beirut (AUB) – Environmental Engineering Research Center (EERC)**

- “Optimal Alkalizing Chemicals and Dosages for the Treatment of Brackish Water” – Under the supervision of Professor Georges Ayoub, and EERC manager Ramez Zayyat

SKILLS

Instrumentation: LC-MS-MS, GC-MS, HPLC, Spectrophotometry, Atomic Absorption, Total Organic Carbon Analyzer, Accelerated Solvent Extractor, Scanning Electron Microscope, Raman, X-Ray Diffraction, Nuclear Magnetic Resonance, Solid Phase Extraction

Computer skills: Chemdraw, Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Photoshop

Languages: French (fluent), Arabic (fluent), English (fluent)