

**Elsy Milan**  
Beirut, Lebanon  
Phone Number: +961-76-397134  
[milanelisy@gmail.com](mailto:milanelisy@gmail.com)  
[Elsy Milan | LinkedIn](#)

## OBJECTIVE

**Official Lebanese Representative to the pre-COP26 and COY16 (Italy & UK), and current Max Thabiso Edkins Climate Ambassador, I am highly organized, motivated, determined, and enthusiastic person with strong communication and analytical skills.**

## EDUCATION

<b>01/20 - present</b>	<b>American University of Beirut</b> Master of Science in Chemical Engineering GPA: 3.6/4.0 (A-) Expected Date of Graduation: May 2022	Beirut, Lebanon
<b>09/15-12/19</b>	<b>American University of Beirut</b> Science to Engineering Prospective Graduate Year (2019) Bachelor of Science in Chemistry (2015-2018)	Beirut, Lebanon
<b>09/00 -06/15</b>	<b>Collège des Sœurs des Saints Cœurs</b> French Baccalaureate (Mention: Assez Bien) Lebanese Baccalaureate-Life Sciences	Beirut, Lebanon

## EXPERIENCE

<b>From 02/20 to Present</b>	<b>Maroun Semaan Faculty of Engineering and Architecture (AUB)</b> Position Held: Research Assistant	<b>Beirut, Lebanon</b>
<ul style="list-style-type: none"><li>Investigating full cycle assessment and optimization of CO2 storage in the context of CCUS as a joint project between the American University of Beirut(AUB) and King Abdullah University of Science and Technology (KAUST)</li><li>Performed numerical simulation and data analysis on 50+ CCUS project as part of “The Munib and Angela Masri Institute of Energy and Natural Resources”</li><li>Explored several seminars on CCUS by KAUST, ADNOC, SPE, and Schlumberger as well as being a guest of the Rice Group at Harvard John A. Paulson School of Engineering and Applied Sciences research meetings</li></ul> <p>Position Held: Graduate Assistant</p> <ul style="list-style-type: none"><li>Co-founder and current manager of SENLi (sustainable engineering and lifestyle website) which is an initiative encouraging eco-effective designs and a sustainable lifestyle</li><li>Supported professors from the faculty of engineering and architecture in proctoring, correcting tests as well as giving recitation sessions</li><li>Assisted Professors in chemical laboratory sessions</li></ul>		
<b>From 06/21 to 11/21</b>	<b>Greenpeace MENA</b> Position held: Intern	<b>Beirut, Lebanon</b>

- Discussing CCUS in light of COP26 and paralleled an overview of different reasons for opposition and acceptance outside the scientific community to personally better resolve skepticism in the future
- Analyzed numerous reports and press releases notably the latest International Energy Agency Report (IEA) Report of 2020 titled “Net Zero by 2050: A Roadmap for the Global Energy Sector”
- Assisted the Campaigns team in organizing series of lectures on different topics among which the energy transition, biodiversity, water scarcity, etc.
- Conducted Research around oil spills in the MENA region, notably the Safer ship in Yemen and the spills on the coast of Syria in addition to preparations for the COP26 in Glasgow.

**From 10/19 to Present**      **Amal & Writers**      **Beirut, Lebanon**  
 Position held: Part-time writer

- Creates content for Companies, Associations and NGOs (English and Arabic)
- Edits scientific and literary papers
- Proofreads English, Arabic and French papers

**From 06/20 to 09/20**      **PioPetro, Marietta College and SPE**      **Ohio, USA**  
 Position held: Summer Intern

- Participated in several webinars organized by Marietta College and SPE exploring various topics in the oil and gas industry

**From 11/19 to 03/20**      **Natural Resource Governance Institute (NRGI)**      **Beirut, Lebanon**  
 Position held: Trainee

- Learned about natural resources in the Middle East and North Africa
- Explored several areas of sustainable development and resource exploitation

**From 06/19 to 10/19**      **Lebanese Oil and Gas Initiative (LOGI)**      **Beirut, Lebanon**  
 Position held: Intern

- Worked with a team of Experts on raising awareness in the Lebanese Community about the Upcoming Oil and Gas Sector in Lebanon
- Organized workshops with the Lebanese Petroleum Administration (LPA), Ministry of Energy and teams of deputies, legal and economic experts to discuss the prospects of a SWF (Sovereign Wealth Fund) and the both the offshore and onshore possible oil and gas exploration in Lebanon
- Issued a monthly Newsletter covering the freshest topics in the Energy Sector in both the middle east and the world

**From 02/17 to 06/19**      **American University of Beirut**      **Beirut, Lebanon**  
 Position held: Student Work Study

- Served as a private tutor with the USAID department and taught several chemistry courses for prospective AUB students

## PUBLICATIONS/ RESEARCH PAPERS

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- **Conference Proceeding:**  
Youth4Climate Manifesto- Italian Ministry for Ecological transition (MITE) and United Nations Framework Convention on Climate Change (UNFCCC) (2021)
- **Research Paper:**  
Subsurface Aspects of CO<sub>2</sub> Capturing and Sequestration- Learning from Major Projects (2021-Ongoing)
- **Review Paper:**  
Recent Advances in Fluorescent-Based Ratiometric Thermometry and Their Potential Applications (Submitted to the Journal of Materials Chemistry in 2019)

## AWARDS & ACHIEVEMENTS

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- **Achievement-** Lebanese Representative at the PreCOP 26 (Milan) and COY 16 (Glasgow), selected among more than 8700 applicants.
- **Achievement-** Chosen as the Lebanese Ambassador to the Max Thabiso Edkins (MTE) Program 2022 among 1700 applicant in partnership with GYCN and the World Bank
- **Award-** 150 for 150 Endowed Scholarship for three consecutive academic years
- **Achievement-** Collegiate Assessment of Academic Proficiency Test (CAAP)
- **Achievement-** Cambridge ESOL Certificate
- **Award-** Certificate of Excellence by the Lebanese Red Cross
- **Achievement-** First Student to be featured on the Podcast "Professors@Work" to discuss CCUS

## PROJECTS ACCOMPLISHED/OR EXTRA CURRICULAR ACTIVITIES

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- **YOUNGO (youth constituency of UNFCCC), Connect4Climate (World Bank) member**
- **Enrolled in the Oxford Climate School-Hilary term 2022**
- **Youth Leadership Program (UNDP)**
- **REDD+ Certified (UNITAR), Global Network on Environment and Oil and Gas**
- **Reforestation Fundraising by Nature Conservation Center**
- **AUBMUN delegate representative in Antalya, Turkey**
- **Column Writer at AUB Outlook's Student Newspaper (Arabic and English)**
- **AUB Outdoors Member for 3 years**
- **University Clubs and Societies: Music Club, Latino Dance Club, and Chemistry Student Society (CSS), Society of Petroleum Engineers (SPE)**
- **Red Cross Volunteer, Brave Heart and Children Cancer Center**
- **Open-Access Strategy Consulting Virtual Experience Program by BCG**

## SKILLS

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**Languages:** Fluent in English, Arabic and French with basic knowledge in Spanish (writing, reading, and speaking)

**Computer Skills:** MATLAB, C++, Python, Aspen HYSYS, Petrel, COMSOL, Saphire, TOUGH3, WordPress, Microsoft (Word, Excel, PowerPoint, Power BI), Tecplot, HOMER software

**Research Skills:** Report Writing, Problem Solving, Data Collection and Analysis, Critical Thinking, Critical Analysis, Chemical Laboratory work and machinery

**Technical Skills:** Surveying, Project management, Designing, Organization

**Soft Skills:** Interpersonal & Leadership, Communication, Teambuilding, Organizational, Management, Public Speaking, Presentation

## REFERENCES

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**Dr. Kassem Ghorayeb, PhD**  
[kg17@aub.edu.lb](mailto:kg17@aub.edu.lb)  
Assistant Professor  
American University of Beirut  
(AUB)

[kghorayeb@slb.com](mailto:kghorayeb@slb.com)  
Global Senior Consultant  
Schlumberger

**Dr. Hussein Hoteit, PhD**  
[Hussein.hoteit@kaust.edu.sa](mailto:Hussein.hoteit@kaust.edu.sa)  
Associate Professor  
King Abdullah University of  
Science and Technology (KAUST)

**Dr. Alissar Yehya, PhD**  
[ay36@aub.edu.lb](mailto:ay36@aub.edu.lb)  
Assistant Professor  
American University of Beirut  
(AUB)

[alissar\\_yehya@seas.harvard.edu](mailto:alissar_yehya@seas.harvard.edu)  
Research Associate  
Harvard University



