

Pamela Harb, PhD

July 21 1990, Married

Kfarchima, Lebanon

81 81 55 46

pamelaharb@hotmail.com



Professional experience

Feb 2018 – Jan 2019: Research engineer at ARMINES - IMT Lille Douai, SAGE Department, France

Subject: Fate of essential oils emission in indoor air – heterogeneous interaction between terpenoid and indoor air surfaces

Framework: ESSENTIEL project, Emissions and fate of terpenoid Volatil organic compounds: impact on indoor air quality (ADEME-Cortea).

- Implementation and validation of experimental setup FLEC-SIFT for (i) study of constructing materials emission and (ii) study of sorption phenomena of limonene onto these materials.
- Supervision of Master 2 interns working on the project

Jan 2015 - Jan 2017: PhD ADEME at IMT Lille Douai, SAGE Department, France

Subject: Evaluation of performances and safety of indoor air treatment devices under real conditions.

Framework: ETAPE project, Evaluation of performances and safety of indoor air treatment devices (ADEME-Cortea).

- Development and validation of a 40 m³ experimental room (IRINA) for indoor air studies.
- Responsible of department SAGE tasks in the Project ADEME-Cortea « ETAPE ».

Apr - Aug 2014: Graduation Project at IMT Mines Ales, France

Subject: Impact of different construction phases of wood based buildings on indoor air quality.

Educational background

2014-2017: PhD	Chemistry and physical chemistry	Lille 1 University (France)
2013-2014: Master 2	Instrumentation and analytical strategies	Lebanese University
2012-2013: Master 1	Analytical chemistry	Lebanese University
2009-2012: Bachelor	General chemistry	Lebanese University

Competencies

Project Management

Literature review.
Planning and optimization of project tasks.
Implementation and maintenance of analytical tools needed for project conduction.
Collection, organization and interpretation of data.
Communication of results.

Oral and written communication

Oral presentations in internal seminars and international scientific conferences, in French and English.
Writing PhD manuscript and many reports in French.
Writing scientific publications in English.
supervising Master 2 interns at IMT Lille Douai
Teaching practical laboratory work in chemistry for engineering students at IMT Lille Douai.

Scientific and technical

Gas phase analysis :

- Chromatography Techniques:

TD-GC-FID+MS, thermal desorption, gas chromatography, Flame ionization detector and mass spectrometry.

HPLC-UV, High-performance Liquid chromatography coupled to a UV detector

- Direct spectroscopic Techniques:

SIFT-MS (Selected Ion Flow Tube Mass Spectrometer)

Particle phase analysis:

- Counting:

mini-WRAS and CPC (condensation particle counter)

- Granulometry:

mini-WRAS and SMPS (Scanning mobility particle sizer).

Additional knowledge: NF EN 16846-1, NF ISO 16000 standards

Computer knowledge and data treatment

Microsoft office (word, excel & PowerPoint), Igor Pro

Languages

- French and English (Full working proficiency)
- Arabic (native language)