

Work Experience

- **Adjunct professor (01/2024 –01/2027):** Laval university, Quebec, Canada.
- **Assistant professor (01/2021 – present):** An-Najah National University, Nablus, Palestine.
- **PhD researcher (10/2017 – 12/2020):** Bordeaux University, France.
- **Instructor (06/2013 –09/2017):** An-Najah National University, Nablus.
- **Research and Teaching Assistant (09/2010–05/2013):** An-Najah National University, Nablus.

Education

- **PhD in Organic Chemistry (2017–2020):** Bordeaux University, Bordeaux, France.
- **Master of Chemistry (2010–2012):** An-Najah National University, Nablus, Palestine.
- **Bachelor of Applied Chemistry (2006–2009):** An-Najah National University, Nablus, Palestine.

Grants and fellowships

- **Scientific high level visiting fellowship (SSHN) 2024:** one-month research visit at Molecular and Material Chemistry group - C2M, Bordeaux University-France. **Funded by** the French consulate in Jerusalem.
- **4th Palestinian Quebecer Science Bridge (PQSB) Call 2023:** three-month research visit at Génie des mines, de la métallurgie et des matériaux, Laval University, Canada. **Funded by** Fonds de Recherche Du Quebec – Nature Et Technologies (FRQNT), Santé (FRQS), and Société Et Culture (FRQSC).
- **Scientific high level visiting fellowship (SSHN) 2023:** one-month research visit at C2M group, Bordeaux University-France. **Funded by** the French consulate in Jerusalem.
- **Academic exchange grant for France Alumni 2022:** one-month research visit at C2M group, Bordeaux University-France. **Funded by** the French consulate in Jerusalem.
- **HESEB - Helmholtz-SESAME Beamline in the soft X-ray regime 2022:** two-month research stay at ALBA synchrotron (Barcelona). **Funded by** Helmholtz research center DESY in Germany.
- **Writing Grant Proposals for Young Palestinian Researchers (GRYPS):** Funded by the DAAD and the German Federal Ministry for Economic Cooperation and Development (BMZ).
- **PhD Scholarship (2017-2020):** Campus France, French government scholarship for Palestinian students.

Research Skills

- Multistep synthesis of organic compounds and characterization using NMR, MS, IR, and other techniques.
- Click chemistry.
- Surface functionalization.
- Surface characterization using AFM, PM-IRRAS, XPS, contact angle and other techniques.
- Biomolecules immobilization to the surface for chemical and biological applications.
- Extraction of cellulose from olive industry solid waste and its characterization.
- Modification of polymers by various functional groups for biological and industrial applications.

Languages: English (C1), French (A2), Mother language: Arabic.

Teaching skills

- Teaching theoretical and practical courses: general chemistry, organic chemistry, chemical operations and food chemistry
- Course Coordinator: This involves more than 10 faculty members teaching and more than 1000 students.
- Supervising graduate students in research activities involving organic synthesis.
- Proposal writing, Project management, Course design, Scientific writing and reviewing.

Publications

- Chemical composition, anticancer, antimicrobial activity of *Aloysia citriodora* Palau essential oils from four different locations in Palestine (2024). *BMC Complementary Medicine and Therapies*. DOI:10.1186/s12906-024-04390-9
- *Myrtus communis* L.: essential oil chemical composition, total phenols and flavonoids contents, antimicrobial, antioxidant, anticancer, and α -amylase inhibitory activity (2023). *Chemical and Biological Technologies in Agriculture*. DOI:10.1186/s40538-023-00417-4
- Silane-Based SAMs Deposited by Spin Coating as a Versatile Alternative Process to Solution Immersion (2022). *Langmuir*. DOI:10.1021/acs.langmuir.2c00668.
- Strategies for the surface biofunctionalization of sulfur-based chalcogenide infrared optical glasses (2022) *Applied Surface Science*. DOI: 10.1016/j.apsusc.2021.151589
- Influence of the Grafting Process on the Orientation and the Reactivity of Azide-Terminated Monolayers onto Silica Surface (2020). *Applied Surface Science*. DOI:10.1016/j.apsusc.2020.146778.
- Cellulose acetate from biomass waste of olive industry (2015) *Journal of Wood Science*. DOI: 10.1007/s10086-015-1473-z.
- Cellulose powder from olive industry solid waste (2012). *Bioresources*. DOI:10.15376/BIORES.7.3.4190-4201.

Conferences

- **Oral presentation:** Blankenberge (Belgium), 19-21 FEB 2020, The Chemistry Conference for Young Scientists (ChemCYS).
- **Poster:** Paris (France), 7-12 JUL 2019, The 50th General Assembly & 47th IUPAC World Chemistry Congress.
- **Oral presentation:** Bordeaux (France), 5 JUL 2019, ISM Day for PhD students at Bordeaux University.

Qualities

Leadership, supervising, time management and organizational skills, good communication skills, flexible and efficient as both a team player and individual worker, willingness to learn, honest and easy-going.

References

- **Emilie Genin** : Bordeaux Université, Bordeaux, France. Email : emilie.genin@u-bordeaux.fr. Phone : +33 (0)5 40 00 29 93.
- **Luc Vellutini** : Bordeaux Université, Bordeaux, France. Email : luc.vellutini@u-bordeaux.fr. Phone : +33 (0)5 40 00 62 84.
- **Hendra Hermawan**: Laval university, Canada. Email : hendra.hermawan@gmn.ulaval.ca. Phone : 418 656-2131
- **Nawaf Al-Maharik**: Chemistry Department, An-Najah National University, Nablus, Palestine. Email: n.maharik@najah.edu. Phone: +970) 9 2345113

Nisreen YOUSEFALHAJ

RG: <https://www.researchgate.net/profile/Nisreen-Alhaj>

GS: <https://scholar.google.com/citations?user=IJ4SGHsAAAAJ&hl=en>

 <https://www.linkedin.com/in/nisreen-alhaj-20a374109/>