



Saber Abu-Jabal

Assistant Professor | PhD in Organic /
Medicinal Chemistry

PhD-qualified Chemistry Instructor with over 10 years of teaching and academic experience in organic and analytical chemistry. Experienced in delivering undergraduate courses, supervising laboratory sessions, and conducting research in medicinal chemistry with multiple peer-reviewed publications. Passionate about student engagement, curriculum development, and applying modern teaching methodologies.



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Jenin, Palestine



WORK EXPERIENCE

Chemistry Instructor

An-Najah National University (Part-Time)

01/2019 - Present

University

Achievements/Tasks

- Delivered undergraduate courses in Organic and Analytical Chemistry
- Supervised laboratory sessions and ensured safety compliance
- Designed and evaluated student assessments and lab reports
- Mentored students in academic and research activities
- Conducted research in organic and medicinal chemistry
- Performed laboratory experiments including synthesis and compound analysis
- Utilized analytical techniques such as FTIR, NMR, HPLC, and GC-MS
- Assisted in preparing and publishing scientific research papers

Nablus, Palestine

Chemistry Instructor

Arab American University (Part-Time)

01/2013 - Present

University

Achievements/Tasks

- Taught Organic Chemistry, Analytical Chemistry, and related laboratory courses
- Developed course materials and practical lab experiments
- Supported students in understanding complex chemical concepts
- Conducted experimental research and data analysis
- Assisted in supervising research students and lab work
- Contributed to scientific publications and academic research outputs

Jenin, Palestine

Chemistry Teacher

Ministry of Education

01/2016 - Present

School

Achievements/Tasks

- Taught Chemistry to high school students
- Prepared lesson plans aligned with curriculum standards
- Improved student performance through interactive teaching methods
- Conducted laboratory experiments and demonstrations
- Assessed student performance through exams, assignments, and reports

Palestine



SKILLS

Organic & Medicinal Chemistry

Analytical Chemistry

Laboratory Supervision

Curriculum Development

Student Engagement &
Assessment

Research & Scientific Writing

Spectroscopy & Chromatography
(FTIR, NMR, HPLC, GC-MS)

ChemDraw, OriginLab, MS Office

Chromatography Techniques (TLC,
Column Chromatography)



EDUCATION

PhD in Organic / Medicinal Chemistry

An-Najah National University

09/2019 - 05/2024

Palestine

GPA

- Excellent (3.65)

MSc in Organic Chemistry

An-Najah National University

01/2010 - 01/2014

Palestine

GPA

- Very Good



PUBLICATIONS

Journal Article

Comparing Soil Erosion Rates on Terraced and Sloping Cultivated Land in Palestine Using FRN 137 Cs Trace

Author(s)

Houshia, O.; Benmansour, M.; Mabit, L.; Fulajtár, E.; Abu-Jabal, S.; Hroub, I.; Odeh, R.
2022

International Journal of Analytical Chemistry, 2022

Study evaluating soil erosion rates in Palestine using advanced radionuclide tracing techniques.

Journal Article

Title: New Zwitterionic Imidazolones with Enhanced Water Solubility and Bioavailability: Synthesis, Anticancer Activity, and Molecular Docking

Author(s)

Abu-Jabal, S.; Ghareeb, A.; Smadi, D.; Hamed, O.; Assali, M.; Berisha, A.; Abutaha, N.; Mansour, W.; Omairah, A.; Janem, A.; Jaser, A.
2023

Chemistry, 5(4), pp. 2613–2629

Research on synthesis and biological evaluation of imidazolone derivatives with improved solubility and anticancer properties.

Journal Article

Water-Soluble Curcumin with Alkyl Sulfonate Moiety: Synthesis and Anticancer Efficacy

Author(s)

Janem, A.; Omar, G.; Hamed, O.; Jodeh, S.; Deghles, A.; Berisha, A.; Mansour, W.; Abu-Jabal, S.; Fares, O.; Jaser, A.; Omairah, A.; Adwan, G.
2024

Heliyon, 2024

Development of modified curcumin compounds with enhanced solubility and anticancer activity.

Submitted Article

Targeted Synthesis of Meta-Chloroaniline Derivatives, Imines and Amides with Potential Biological Activity

Author(s)

Abu-Jabal, S. et al.

Submitted (Pending Publication)

Under Review

Research focused on synthesizing biologically active compounds with potential pharmaceutical applications.



CERTIFICATES

Professional Education Diploma (Teaching Qualification)

Training at An-Najah Biosciences Unit



EDUCATION

Diploma in Professional Education

National Institute for Educational Training

01/2017 - 01/2018

Palestine

BSc in Applied Chemistry

An-Najah National University

01/2006 - 01/2010

Palestine



LANGUAGES

Arabic

Native or Bilingual Proficiency

English

Full Professional Proficiency



REFERENCES

Prof. Ahed Zyoud

"Analytical and Inorganic Chemistry, An-Najah National University. Palestine"

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Prof. Othman Hamed

"Organic Chemistry, An-Najah National University. Palestine"

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Prof. Nidal Jaradat

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Prof. Mohyeedin Assali

"Medicinal Chemistry, An-Najah National University, Palestine"

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