

Mohammed Hawash
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PROFILE

- One of the **Top 2%** of world's **scientists** in **2023** published Stanford list.
- Over **65 published** research articles in the field of Medicinal chemistry, Drug discovery, and related fields
- Research interest in drug discovery in the context of Cancer, neurodegenerative, and diabetes diseases.
- **Supervision** of Graduate Students (**7 Master students** in pharmaceutical sciences)

EDUCATION

- 2017 **Pharmacy faculty, Gazi University, Ankara, Türkiye**
PhD in Pharmaceutical chemistry (Medicinal Chemistry)
Thesis title: Anticancer Effects for New Indole Derivatives, Design, Synthesis and Evaluation of Activity.
- 2011 **Pharmacy faculty, An-Najah National University, Nablus, Palestine**
BSc in pharmacy

WORK EXPERIENCE

- Oct.2023-presnet : **Associate Prof.** at Department of Pharmacy, Faculty of Medicine and Health Sciences, An-Najah National University, Nablus, **Palestine**.
- Aug.2017-Oct.2023 : **Assistant Prof.** at Department of Pharmacy, Faculty of Medicine and Health Sciences, An-Najah National University, Nablus, **Palestine**.
- April.2014-Jan.2017 : **Researcher** in TUBITAK projects in the anticancer agents Discovery, at Gazi University, Ankara – **Türkiye**.
- Oct.2015-April.2017 : Instructor (Part-time) in pharmaceutical chemistry fields at SAHARA group, Istanbul- **Türkiye**.

Research Experience

With over **six years** of dedicated involvement in the realm of **Medicinal Chemistry**, I am a fervent researcher and educator committed to advancing rational drug discovery in the context of **Cancer, neurodegenerative, and diabetes** diseases. My enthusiasm for the Drug Design field was sparked during my academic years, shaping my focus throughout both my undergraduate and graduate studies.

Teaching Experience

- Medicinal Chemistry
- Pharmaceutical Chemistry Research Techniques
- Organic Chemistry
- Spectroscopic techniques, including IR, NMR, Mass, and UV spectroscopy.

Main Publications

- **Hawash, M.***. Thiazole Derivatives as Modulators of GluA2 AMPA Receptors: Potent Allosteric Effects and Neuroprotective Potential. *Biomolecules* **2023**, 13, 1694. (**Impact factor 5.5**).
- **Hawash, M.*** et al., New Thiazole Carboxamide Derivatives as COX Inhibitors: Design, Synthesis, Anticancer Screening, In Silico Molecular Docking, and ADME Profile Studies. *ACS omega*, **2023**, **8**(32): p. 29512-29526. (**Impact factor 4.5**).
- **Hawash, M.*** et al, In vitro and in vivo assessment of the antioxidant potential of isoxazole derivatives. *Scientific Reports* **2022**, 12 (1), 18223 (**Impact factor 4.99**).
- Qneibi, M.; **Hawash, M.**; Jaradat, N.; Bdir, S., Affecting AMPA Receptor Biophysical Gating Properties with Negative Allosteric Modulators. *Molecular Neurobiology* **2022**, 1-12. (**Impact factor 5.576**)
- **Hawash, M.***. Recent Advances of Tubulin Inhibitors Targeting the Colchicine Binding Site for Cancer Therapy. *Biomolecules* **2022**, 12, 1843 (**Impact factor 5.5**).
- **Hawash, M.***; et al., Synthesis of novel isoxazole-carboxamide derivatives as promising agents for melanoma and targeted nano-emulgel conjugate for improved cellular permeability. *BMC Chem.* **2022**, 16, 47 (**Impact factor 4.3**).
- Qneibi M., **Hawash M.**, Bdir S., Baytas S. N. Targeting the kinetics mechanism of AMPA receptor inhibition by 2-oxo-3H-benzoxazole derivatives, *Bioorganic Chemistry*, **2022**; 129 (**Impact factor 5.2**)
- **Hawash, M.**, D. C. Kahraman, A. Olgac, S. G. Ergun, E. Hamel, R. Cetin-Atalay and S. N. Baytas (**2022**). "Design and Synthesis of Novel Substituted Indole-acrylamide Derivatives and Evaluation of Their Anti-Cancer Activity as Potential Tubulin-Targeting Agents." *Journal of Molecular Structure*: 132345. (**Impact factor 3.2**)

- **Hawash, M.** Highlights on Specific Biological Targets; Cyclin-Dependent Kinases, Epidermal Growth Factor Receptors, Ras Protein, and Cancer Stem Cells in Anticancer Drug Development. *Drug research* **2019**.
- **Hawash, M.,†Kahraman, D.,†Erena, F.,Atalay, R., Baytas, S*.** (2017). Synthesis and biological evaluation of novel pyrazolicchalcone derivatives as novel hepatocellular carcinoma therapeutics. *European Journal of Medicinal Chemistry*, 129, 12-26 (**Impact factor 7.5**)

Conference Presentations

- Sep. **2023** : Oral presentation, Exploring the Therapeutic Potential of Benzodioxol Derivatives: Targeting Multiple Biological Pathways, I International Meeting Molecules 4 Life, (EFMC), Vila Real **Portugal**
- Oct. **2022**: Oral presentations through Erasmus + program, Introduction to Medicinal Chemistry and The Discovery of New Anticancer Drugs is One of the Most Important Health Issues in the World Wide, Warsaw Univerity Warsaw- **Poland**.
- Sept. **2022**: Oral presentation, biological evaluation of Safrole oil and Safrole oil Nanoemulgel as antioxidant, antidiabetic, antibacterial, antifungal and anticancer 3rd International Congress on Plant Biology. Rize-**Türkiye**.
- March. **2022**: Oral presentation, Novel Benzodioxol Derivatives: Molecular Docking, Design, Synthesis and Biological Evaluation on Various Biological Targets, 10th International Drug Chemistry Conference. Antalya-**Türkiye**.
- Nov. **2021**: Oral presentation, Novel Filtration system to reduce the Water-Pipe (Nargileh) Toxicity, Chemical and Biological Evaluation, 3rd International Environmental Chemistry Congress (Envirochem), Antalya, **Türkiye**.
- Sep. **2019**: Oral presentation, Target selectivity of Anticancer Drugs is an important factor in Promising Anticancer Drug Discovery. Eurasian Congress on Molecular Biotechnology (ECOMB2019), Trabzon-**Türkiye**.
- March-**2019**: Oral presentation, The Discovery of New Anticancer Drugs is One of the Most Important Health Issues in the World Wide, 7th International Drug Chemistry Conference. Antalya-**Türkiye**.
- March-**2018**: Oral presentation, “The Discovery of New Anticancer Drugs is one of the Most Important Health Issues in the World Wide”, 2nd International Congress on Social Sciences, Jerusalem-**Palestine**.
- Aug/Sep-**2016**: poster presentation, “(E) indole-3-acrylamide derivatives as potential anti-hepatocellular carcinoma agents”, *International Symposium on medicinal chemistry*, Manchester-**UK**
- November-**2015**: poster presentation, “Synthesis and biological evaluation of new pyrazole derivatives for novel therapeutic opportunities of hepatocellular carcinoma” *Gazi Pharma Symposium Series International Gazi Pharma Symposium Series*, Antalya-**Türkiye**.

Grants and Awards

- An-Najah National University’s Research Excellence Awards for the years 2019-2022
- Award for research production and abundance of publications of An-Najah National University for the years 2021-2022
- American University Scientific Research Award for the year 2021
- Grants for the third and fourth appeal of the Deanship of Scientific Research, An-Najah National University (2019-2021)

Languages

- **Arabic (Native)**
- **English**
- **Turkish**

References

- Saad Zayoud, PhD, Full Professor, the Head of Clinical pharmacy, An-Najah National University - School of Medicine and Health Sciences, +970 59-983-3649, saedyoud@najah.edu.
 - Erden Banoglu, Full Professor, pharmaceutical chemistry, Gazi university, Ankara, Türkiye, telephone: +90 (312) 202 32 36, e-mail: banoglu@gazi.edu.tr, Web Site: www.banoglu.com.
 - Sultan Baytaş, Full Professor, pharmaceutical chemistry, Gazi university, Ankara, Türkiye, mobile: +90 533 497 56 14, e-mail: sbaytas@gmail.com.
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