

Safaa Halool Mohammed



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Education

-University of Monastir, College Pharmacy, Monastir, Tunisia.

PhD in Pharmacy “Pharmaceutics”, 2024.

Doctoral Manuscript: “Development and evaluation of an innovative form for topical delivery of an antifungal molecule”

- University of Al-Mustansiriya, College of Pharmacy, Baghdad, Iraq.

Master of Science in Pharmacy “Pharmaceutics”, 2017.

Honors graduate Thesis: “Ion Exchange Resin for Masking the Bitter Taste of Valsartan in Oral Dosage Form”

- University of Baghdad, College of Pharmacy, Baghdad, Iraq.

Bachelor of Pharmacy, 2006.

Teaching and Working Experience

- College of pharmacy, National University of Sciences and Technology
NUST, Iraq, 2020-2025

Teacher
- College of pharmacy, Thi-Qar University, Iraq, 2018-2019

Teacher
- Secured the second rank in the nationally administered examinations of the
Ministry of Higher Education for Pharmaceutical Technology (Third Year),
Academic Year 2022–2023.
- Served as Assistant Dean for Scientific Affairs at the National University of
Science and Technology since October 13, 2024, overseeing academic and
research activities.

Seminars

- Safaa H. Mohammed “Pharmacokinetics of drug absorption”, Graduate student
presentation at University of Al-Mustansiriya, College of Pharmacy, Baghdad,
Iraq, 2016.
- Safaa H. Mohammed “Bioavailability from different routes of administration”,

Graduate student presentation at University of Al-Mustansiriya, College of Pharmacy, Baghdad, Iraq, 2016.

- Safaa H. Mohammed “Dos determination of inhaler”, Graduate student presentation at University of Al-Mustansiriya, College of Pharmacy, Baghdad, Iraq, 2016.
- Safaa H. Mohammed “Linear pharmacokinetics”, Graduate student presentation at University of Al-Mustansiriya, College of Pharmacy, Baghdad, Iraq, 2017.
- Safaa H. Mohammed “Drug dissolution”, Graduate student presentation at University of Al-Mustansiriya, College of Pharmacy, Baghdad, Iraq, 2017.
- Safaa H. Mohammed “Drug diffusion”, Graduate student presentation at University of Al-Mustansiriya, College of Pharmacy, Baghdad, Iraq, 2017.
- Safaa H. Mohammed “Biopharmaceutical applications of chitosan and chitosan derivatives in drug delivery”, Graduate student presentation at University of Al-Mustansiriya, College of Pharmacy, Baghdad, Iraq, 2017.
- Safaa H. Mohammed “Nonlinear pharmacokinetics”, Graduate student presentation at University of Al-Mustansiriya, College of Pharmacy, Baghdad, Iraq, 2017.

Publications

1) Exploring the Antifungal Effectiveness of a Topical Innovative Formulation Containing Voriconazole Combined with Pinus

Sylvestris L. Essential Oil for Onychomycosis. *Colloids and interfaces journal (MDPI)*, 2024.

2) Engineering and controlling the electronic properties of zigzag and armchair boron nitride nanotubes with various concentrations of oxygen impurities. *Chinese Journal of Physics journal (ELSEVIER)*, 2024.

3) Computational fluid dynamics and multi-objective response surface methodology optimization of perforated-finned heat sinks. *Journal of the Taiwan Institute of Chemical Engineers (ELSEVIER)*, 2023.

4) Enhancement the electronic and optical properties of the T- graphene nanosheet in the present various impurities: DFT study. *Chemical Physics Impact Journal, (ELSEVIER)*, 2023.

5) Ion exchange resin for masking the bitter taste of valsartan in oral dosage form. *Al Mustansiriyah Journal of Pharmaceutical Sciences (AJPS)*, 2017.

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Computer and Research Skills

- Microsoft Office 2003, 2007, 2010, and 2016
- Internet Explorer
- PowerPoint
- Adobe Photoshop
- Survey design
- Mathematic

Languages Skills

- Arabic: native
- English: Excellent