



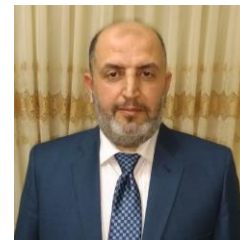
Fakhri O. M. Yousef C.V.



CURRICULUM VITAE

Fakhri Omar Mohammad Yousef

June 2021



PERSONAL

Place of Birth Jordan
Date of Birth October 10, 1966
Marital Status Married
Nationality Jordanian
Work Address Department of Chemistry, College of Science, Al-Hussein Bin Talal University, Ma'an, Jordan. Phone: +962-3-2179000 Ext.:**6311**, E-mail: fakhri-yousef@ahu.edu.jo
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ACADEMIC QUALIFICATIONS

2000 - 2004 **Ph.D.**, Physical Chemistry, The University of Jordan, Amman, Jordan
1994 - 1997 **M.Sc.**, Physical Chemistry, The University of Jordan, Amman, Jordan
1985 - 1989 **B.Sc.**, Chemistry, The University of Jordan, Amman, Jordan

SPECIALTY

General Specialization: Chemistry
Specialization : Physical Chemistry

CAREER HISTORY

January 2019 -Present **Associate Professor**, Department of Chemistry, College of Science, Al-Hussein Bin Talal University, Ma'an, Jordan.



Fakhri O. M. Yousef C.V.



- March 2014 - January 2019 **Assistant Professor**, Department of Chemistry, College of Science, Al-Hussein Bin Talal University, Ma'an, Jordan.
- February 2013 - March 2014 **Lecturer**, Department of Chemistry, College of Science, Al-Hussein Bin Talal University, Ma'an, Jordan.
- September 2008 - January 2013 **Lecturer**, Applied Science department, University of Technology and Applied sciences, Muscat, Oman.
- February 2006 - April 2008 **Research & Development (R&D) Manager**, Hayat Pharmaceutical Industries Co., Amman, Jordan.
- January 2005 - January 2006 **Analytical Method Development and Stability Studies section head and Acting R&D manager**, Hayat Pharmaceutical Industries Co., Amman, Jordan.
- October 2004 - January 2005 **Researcher**, Jordan Pharmaceutical Manufacturing company (JPM) central lab, Amman, Jordan.

ADMINISTRATIVE EXPERIENCE

Positions

- September 2018 - September 2019 Chairman of Chemistry Department, College of Science, Al-Hussein Bin Talal University, Ma'an, Jordan
- September 2016 - September 2017 Deputy Dean of the College of Science, Al-Hussein Bin Talal University, Ma'an, Jordan

Committees

- N.A.

HONORS, SCHOLARSHIPS, AWARDS AND GRANTS

- 2014 Funded Research Project
- The project titled “**Study of solubility Enhancement of Some Insoluble Drugs Using Natural and Modified Cyclodextrins and Modified Chitosan**” was funded in June 2014 by the Deanship of Scientific Research at Al Hussein Bin Talal University under fund number (21/2014).



PROFESSIONAL MEMBERSHIPS AND SERVICES

Membership(s)

- Jordan Chemical Society (JCS)

Service(s)

- N.A.

RESEARCH INTEREST

- Spectroscopy (UV-visible and Fluorescence).
- Supramolecular chemistry (Host-guest complexation).
- Computational chemistry studies and modelling.

PUBLICATIONS

Peer-reviewed journal articles

- **Fakhri O. Yousef**, Raed Ghanem, Khaldoun A. Al-Sou'od, Asia Alsarhan, Rasha K. Abuflaha, Khaled Bodoor, Khaleel I. Assaf, et al. (2021), Investigation of spectroscopic properties and molecular dynamics simulations of the interaction of mebendazole with β cyclodextrin, *J Iran Chem Soc.* 18(1), 75-86. (DOI 10.1007/s13738-020-02006-w)
- **Fakhri YOUSEF** (2018), Effect of pH on the Complexation of Irbesartan with β -, Hydroxypropyl- β - and γ -Cyclodextrin: Solubility Enhancement and Physicochemical Characterization, *Turk J Chem* 42: 1544-1558
- Raed GHANEM, **Fakhri YOUSEF**, Omar ABU AWWAD (2018), Effect of pH and β -cyclodextrin on the photophysical properties of lamotrigine, *Turk J Chem*, 42: 247-256
- **Fakhri O. Yousef**, Raed Ghanem, Noura H. Alshraa, Nosayba M. Al Omari, Khaled Bodoor, Musa I. El-Barghouthi (2017), Effect of pH and α -, β - and γ -cyclodextrin on the spectral properties of etoricoxib: spectroscopic and molecular dynamics study, *J Incl Phenom Macrocycl Chem* 88(3):171–180



- **F. O. Yousef**, M. B. Zughul, and A. A. Badwan (2007), The modes of complexation of benzimidazole with aqueous β -cyclodextrin explored by phase solubility, potentiometric titration, $^1\text{H-NMR}$ and molecular modeling studies", *J Incl Phenom Macrocycl Chem*, 57:519-523.

Books and book chapters

- N.A.

Patents

- N.A.

CONFERENCES AND PROCEEDINGS

- Mohammad B. Zughul, **Fakhri O. M. Yousef**, Juma'a K. Kafawein, Adnan A. Badwan, "Complexation of ambroxol with natural and modified cyclodextrins: Phase solubility analysis, Thermodynamics, $^1\text{H-NMR}$ and molecular mechanical modeling studies", *14th international cyclodextrin symposium proceeding*, May 8-11, 2008, Kyoto, Japan.
- Mohammad B. Zughul, **Fakhri O. M. Yousef**, Juma'a K. Kafawein, Adnan A. Badwan, "Glimepiride complexation with natural and modified cyclodextrins: Phase solubility analysis, Thermodynamics, $^1\text{H-NMR}$ & molecular mechanical studies", *14th international cyclodextrin symposium proceeding*, May 8-11, 2008, Kyoto, Japan.
- Mohammad B. Zughul, **Fakhri O. M. Yousef**, Juma'a K. Kafawein, Adnan A. Badwan, "Sertraline complexation with natural and modified cyclodextrins: Phase solubility analysis, Thermodynamics, DSC, $^1\text{H-NMR}$ and molecular mechanical modeling studies", *14th international cyclodextrin symposium proceeding*, May 8-11, 2008, Kyoto, Japan.
- Mohammad B. Zughul, **Fakhri O. M. Yousef**, Juma'a K. Kafawein, Adnan A. Badwan, "Ticlopidine complexation with natural and modified cyclodextrins: Phase solubility analysis, Thermodynamics, DSC, $^1\text{H-NMR}$ and molecular mechanical modeling studies", *14th international cyclodextrin symposium proceeding*, May 8-11, 2008, Kyoto, Japan.



TEACHING

Courses Taught-undergraduate

- Physical Chemistry 1 (0306241), Al Hussein Bin Talal University.
- Physical Chemistry 2 (0306341), Al Hussein Bin Talal University
- Physical Chemistry 3 (0306441), Al Hussein Bin Talal University
- Physical Chemistry lab (0306342), Al Hussein Bin Talal University
- General Chemistry 1 (0306101), Al Hussein Bin Talal University
- General Chemistry 2 (0306102), Al Hussein Bin Talal University

Courses Taught-postgraduate

- N.A.

SKILLS

Languages

- Arabic (native)
- English (excellent)

Computer Programs

- N.A.