

Curriculum Vitae

Dr. Hatouf H. Sukkarieh, PhD

Assistant Professor of Pharmacology | Track Director – Master's in Pharmacogenomics
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1. Professional Summary

Academic leader and educator with extensive experience in pharmacology, and biomedical sciences. Strong background in leadership of academic programs, graduate-level teaching, and high-impact research in metabolomics, and cardiovascular pharmacology. Recognized for advancing precision medicine in Saudi Arabia through education, research, and collaborations with leading institutions such as KFSHRC and the SFDA.

2. Academic & Leadership Appointments

- Alfaisal University, College of Medicine – Riyadh, KSA
 - Assistant Professor of Pharmacology (2018 – Present)
 - Track Director, Master's in Pharmacogenomics (MBS).
 - Chair, Graduate Proposal Review Committee.
 - Member, Quality Assurance and Academic Committees.
 - Developed and launched the first pharmacogenomics graduate track in Saudi Arabia.
 - Supervised and mentored MSc and medical students in research.
- King Saud bin Abdulaziz University for Health Sciences (KSAU-HS) – Riyadh, KSA
 - Assistant Professor of Pharmacology (2014 – 2018)
 - Lecturer and course coordinator in pharmacology and physiology.
 - Senior tutor in problem-based learning (PBL).
 - Chair, Faculty Development Committee, introducing innovative teaching methods.
- Rutgers, The State University of New Jersey – USA
 - Research Assistant (PhD Candidate) (2009 – 2013)
 - Conducted electrophysiology and molecular pharmacology research.
 - Published in international journals and presented at major conferences.

3. Education

- PhD, Pharmacology & Physiology – Rutgers University, USA (2013)
- MSc, Pharmacology & Physiology – Rutgers University, USA (2009)
- BSc, Pharmacy – Applied Science University, Jordan (1999)

4. Research Interests

Metabolomics and drug response variability

Cardiovascular pharmacology

Pharmacogenomics and precision medicine

Adverse drug reactions and drug safety

5. Research Grants

- PI, IRG Grant: Vitamin D in Diabetic Nephropathy – SAR 50,000.
- PI, IRG Grant: Sacubitril/Valsartan Metabolomics Profiling – SAR 100,000.
- PI, IRG Grant: Etodolac Metabolomics Profiling – SAR 100,000.
- PI, IRG Grant: Allopurinol Metabolomics Profiling – SAR 100,000.
- Collaborative grants with Kaimrc on pharmacogenomics and drug safety-SAR 500,000

6. Publications

1. A Distinctive Metabolomics Pattern Associated with the Administration of Combined Sacubitril/Valsartan to Healthy Subjects: A Kinetic Approach. Randh AlAhmari, Hana M. A. Fakhoury, Reem AlMalki, **Hatouf H. Sukkarieh**, Lina Dahabiyeh, Tawfiq Arafat, Anas M. Abdel Rahman. Pharmaceuticals, **2025**.
2. Systemic Metabolic Alterations Induced by Etodolac in Healthy Individuals R Sebaa, RH AlMalki, **H Sukkarieh**, LA Dahabiyeh... - Pharmaceuticals, **2025**
3. Unlocking the secrets: Adipose tissue dysfunction and atherosclerosis-mechanisms and innovative therapeutic approaches DB Matar, MA Elahi, **H Sukkarieh**, WK Nassar, A Aljada - Atherosclerosis, **2025**
4. Expanding the Role of Heparin Derivatives in Oncology: From Anticoagulation to Antitumor Activity J Holail, **HH Sukkarieh**, A Aljada - Pharmaceuticals, **2025**
5. Comorbidity Patterns Among Patients Diagnosed with Sialolithiasis: A Retrospective Analysis RA Saleem, **HH Sukkarieh**, RK Alkattan... - Journal of Clinical Medicine, **2025**
6. Role of age and sex in the incidence of adverse effects among diabetic patients treated with glipizide **HH Sukkarieh**, TH Husein, RT Bustami, RA Saleem... - Experimental and Therapeutic Medicine, **2024**

7. Laboratory features and pharmacological management of early and late-onset primary Sjögren's syndrome RA Saleem, M Ramadan, Y Elshaaer, **H Sukkarieh**... - Rheumatology International, **2024**

8. Hijazi R, **Sukkarieh H**, Bustami R, Khan J, Aldhalaan R. Enhancing Patient Safety: A Cross-Sectional Study to Assess Medical Interns' Attitude and Knowledge About Medication Safety in Saudi Arabia. Cureus. **2023** Dec 14;15(12):e50505. doi: 10.7759/cureus.50505. PMID: 38111820; PMCID: PMC10726002.

9. A highlight on Carbamazepine-induced adverse drug reactions in Saudi Arabia: a retrospective medical records-based study. **Sukkarieh HH**, Khokhar AA, Bustami RT, Karbani GA, Alturki FA, Alvi SN. Naunyn Schmiedeberg's Arch Pharmacol. **2023** Nov;396(11):3177-3182. doi: 10.1007/s00210-023-02525-2. Epub 2023 May 18. PMID: 37199768; PMCID: PMC10567952.

10. Henk G. Schmidt, Mai Ajaji, **Hatouf H. Sukkarieh**, et al., Failure to Demonstrate Effect of Interruptions on Diagnostic Reasoning : Three Experiments, BMC Medical Journal, **2022**,v.1.3, 35-29

11. **Hatouf H. Sukkarieh**, Turki Alsagoor, Gulsan Karbani, et al., Awareness and Attitudes of Oncology Specialists Toward Dihydropyridine Dehydrogenase(DPD) Testing in Saudi Arabia, Journal of Scientific Report, **2022**

12. **Hatouf H. Sukkarieh**, Rami T. Bustami, Manasik N. Abdu, Ayesha A. Khokhar, Amir A. Salih, Hana K. Abdalla. The current practice of using angiotensin-converting enzyme inhibitors and angiotensin II receptor blockers in diabetic hypertensive and non-hypertensive patients Is there a room for vitamin D? Saudi Medical Journal, **2020**, 41; 1083-1089

13. **Hatouf H Sukkarieh**, Rami T Bustami, Hadeel Al-Khaneen, Abdulkarim Saeed, The impact of body mass index and number of antihypertensive medications on clinical management of hypertension in primary health care. Saudi Journal for Health Sciences, **2020**, 9; 35-41.

14. **Sukkarieh HH**, Bustami RT, Ibrahim NO, Al-khaneen H. The Impact of Height on Clinical Management of Hypertension in Primary Care. Int J Cardiovasc Res **2018**, 7:2.DOI : 10.4172/2324-8602.1000361.

15. Ibrahim NO, **Sukkarieh HH**, Bustami RT, Alshammari EA, Alasmari LY, Al-Kadri HM. Current umbilical cord clamping practices and attitudes of obstetricians and midwives toward delayed cord clamping in Saudi Arabia. Ann Saudi Med. **2017** May-Jun;37(3):216-224. doi: 10.5144/0256-4947.2017.216.

16. **Sukkarieh, HH**, Isaev D, Shirakov, R. Highly conserved As in S6 Transmembrane Segments of Calcium Channels Are Critical for their Selectivity and Gating. Rutgers, the State University of New Jersey; Graduate School of Biomedical Sciences Annual Conference. November **2011**.
17. **Sukkarieh, HH**, Shirakov, R. The Novel Contribution of S6 in the Fourth Domain of CAV1.2 (cardiovascular isoform of calcium channel) Channel Selectivity. Biophysical Society 57th Annual Meeting, Philadelphia, Pennsylvania, February 2 - 6, **2013**.
18. Sukkarieh, HH. Ionic Basis of Hypokalemic Periodic Paralysis Linked to Mutations in Calcium Channels. Rutgers, the State University of New Jersey; Graduate School of Biomedical Sciences. Technical Report, 2009.

7. Teaching & Curriculum Development

- Director, Research Methodology course – Graduate Biomedical Sciences.
- Teaching contributions across cardiovascular, neuroscience, hematology, and cancer pharmacology blocks.
- Integrated case-based learning, problem-based learning, and simulation models into medical education.
- Mentored MSc students in the masters of biomedical sciences.

8. Leadership & Service

- Director, Master's in Pharmacogenomics Track, Alfaisal University.
- Chair, Proposal Review Committee.
- NCAAA Certified External Reviewer for program accreditation.
- Director of the graduate core course entitled research Methodology
- Co -director several blocks
- Lead the biomedical science seminar at Alfaisal University
- Collaborated with external funding bodies to establish a pharmaceutical service lab at Alfaisal university

9. Professional Recognition

- International conference speaker in genomic medicine.
- Reviewer for peer-reviewed journals in pharmacology and pharmacogenomics.
- Recognized for contributions to first Human cancer genome research conference in Saudi Arabia.
- Organized the first SAUDI COM Deans Development Workshop

10. Languages

English (Fluent)

Arabic (Fluent)

French (Advanced)