

Faculty Portofolio

Adel Manea Al Fatease, PhD
Assistant Professor
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Education:

Year of Graduation	Qualifications (Specializations if any)	University/College, Country
2020	PhD Pharmaceutical Sciences	College of Pharmacy, Oregon State University, Portland, The U.S.
2009	B.Sc. Pharmaceutical Sciences	College of Pharmacy, King Khalid University, Abha, KSA

Professional experience:

Year	Positions	University/College, Country
2020-Present	Assistant Professor	College of Pharmacy, King Khalid University, Abha, KSA

Community service activities

Year	Positions & Name of the Project	University/Company, Country
2014	Volunteer to assist cancer patients with drug counseling and as an interpreter for Saudi patients	Presbyterian Hospital New York, NY, USA Memorial Sloan Kettering Cancer Center, NY, USA

Academic/research awards:

Year/Duration of Award	Name of the Award	University/Company, Country
2022	2nd Award Promising Researcher Award	King Khalid University
2019	Holt Fellowship Award	Oregon State University, USA
2018	An Outstanding podium presentation award Oregon Health	Oregon Health and Science University, USA

	and Science University research week.	
2017	Initiated into an honor society Phi Kappa Phi the nation's oldest and most selective all- discipline collegiate honor society	Oregon State University, USA
2016	Initiated into Rho Chi honor society at College of Pharmacy, Oregon State University chapter.	Oregon State University, USA

Workshops/ Trainings:

Year	Title	University/Company, Country
2020	Online Teaching Certificate, Training Future Faculty	Oregon Health and Science University, USA
2018	Mckinsey interactive workshop: Develop professional skills and gain an insight into consulting,	Mckinsey Company, Boston, MA, USA
2018	Co-organizer: 16 th International Nanomedicine and Drug Delivery Symposium,	Portland, OR, USA
2018	Completed Future Path Essentials program with distinction, Misk Foundation and Fullbridge Inc.	Misk Foundation, Riyadh, KSA
2016	Collaborative Institutional Training Initiative (CITI)	Oregon State University, Portland, USA
2013	Organizer: Advanced Tablet Technology symposium/ College of Pharmacy, King Khalid University	College of Pharmacy, King Khalid University, Abha, KSA

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Research interests:

- My research is predominantly in the field of Nanotherapeutics and their application in chronic diseases and cancer treatment.
- Designing, novel nanoparticles for the delivery of natural products that can chemosensitize cancer cells to Adriamycin as well as can mitigate its cardiac toxicity a major limitation for its use as chemotherapeutic drug. In addition, I investigate the effect of different nanotherapeutic agents on the tumor microenvironment with multiple dosage regimens.
- I have interest in developing cargos for contrast dye for diagnostic purposes.

Teaching experience:

Teaching a Fundamentals of Pharmaceutics course, King Khalid University, College of Pharmacy, September-December 2020-2023

Teaching a Dermatological Preparations course, King Khalid University, College of Pharmacy, September-December 2020.

Teaching a Foundation of Pharmaceutics course, King Khalid University, College of Pharmacy, September-December 2020.

Teaching a Pharmaceutical Calculations course, King Khalid University, College of Pharmacy, September-December 2020.

Teaching a Dermatological Preparations course (practical), King Khalid University, College of Pharmacy, May-July 2013.

Teaching a Physical Pharmacy course (practical), King Khalid University, College of Pharmacy, February- April 2013.

Teaching a Solid Dosage Forms course (practical), King Khalid University, College of Pharmacy, May-July 2013.

Professional membership:

Year	Name of the professional Body	Role
2014-Present	The American Association of Pharmaceutical Scientists	Member
2019-Present	The American Association of Cancer Research	Member

Research grants:

Year/Duration of Grant	Title of the Project	Awarding Body
2020 / 2020-2022	Magnetic-Assisted Nanoarchitected Multifunctional Porous Nanoparticles for Improved Bioanalysis	King Khalid University, KSA

Publications:

- 1- **Adel Al Fatease**, V. Shah, D. Nguyen, B. Cote¹, D. A. Rao, A. Alani, Chemosensitization and mitigation of Adriamycin induced cardiotoxicity using combinational polymeric micelles for co-delivery of quercetin/resveratrol and resveratrol/ curcumin in ovarian cancer, *Nanomedicine: Nanotechnology, Biology and Medicine* (April 22, 2019)
- 2- Bhuvana S Doddapaneni, **Adel Fatease**, Deepa A Rao, Adam WG Alani, Dual-drug loaded micelle for combinatorial therapy targeting HIF and mTOR signaling pathways for ovarian cancer treatment, *Journal of Control Release* (June 28, 2019)
- 3- Vidhi M. Shah, Duc X. Nguyen, Pargnesh Patel, Brianna Cote, **Adel Al Fatease**, Yvonne Pham, Man Gia Huynh, Yeonhee Woo, Adam WG. Alani, Liposome produced by microfluidics and extrusion: A comparison for scale-up purposes, *Nanomedicine: Nanotechnology, Biology and Medicine*
- 4- VM Shah, DX Nguyen, **A Al fatease**, S Bracha, AWG Alani, Characterization of pegylated and non- pegylated liposomal formulation for the delivery of hypoxia activated vinblastine-N-oxide for the treatment of solid tumors, *Journal of Controlled Release* 253, 37-45
- 5- Bhuvana S Doddapaneni, Kinser Reed, **Adel Fatease**, Deepa A Rao, Adam WG Alani A Combinatorial Therapy Targeting HIF and m-TOR Signaling Pathways for Treating Angiogenesis and Ovarian Cancer
- 6- Deepa A. Rao, Gyan Mishra, Bhuvana Shyam Doddapaneni, Sergiy Kyryachenko, Igor H. Wierzbicki, Duc X. Ngyuen, Vidhi Shah, **Adel M. Al Fatease**, Raid G. Alany, and Adam W. G. Alani Combinatorial Polymeric Conjugated Micelles with Dual Cytotoxic and Antiangiogenic Effects for the Treatment of Ovarian Cancer
- 7- A. Rao, Deepa; Cote, Brianna; Stammet, Michelle; M. **Al Fatease**, **Adel**; W.G.

Alani, Adam Evaluation of the Stability of Resveratrol Pluronic® Micelles
Prepared by Solvent Casting and Simple Equilibrium Methods

Conference attendance/presentations:

2020 - Riyadh Global Digital Health Summit, Riyadh, KSA

2019 - American Association for Cancer Research Annual Meeting, Atlanta, GA

2017 - The American Association of Pharmaceutical Scientists Annual Meeting and
Exposition, San Diego, CA

2018 - 16th International and Drug Delivery symposium, Portland, OR

Adel Al Fatease, V. Shah¹, Kalei Lopez, B. Cote, D. A. Rao, A. Alani, Evaluation of combinatorial chemotherapeutics nano-carriers at different dosage regimens in breast cancer model: Tumor immune signaling, angiogenesis and tumor growth, American Association for Cancer Research Annual meeting 2019, Atlanta, GA, (March-April 2019)

Adel Al Fatease, V. Shah¹, Kalei Lopez, D. Nguyen, B. Cote, D. A. Rao, A. Alani, Nanocarriers for combinatorial chemotherapeutics to inhibit angiogenesis and tumor growth along with immunomodulation at different dosage regimens as an approach to cancer treatment, NanoDDS, (Portland, OR, September 2018)

Adel Al Fatease, Vidhi Shah, Duc Nguyen, Brianna Cote, Deepa A. Rao, and Adam WG Alani Chemosensitization and mitigation of Adriamycin induced cardiotoxicity using combinational polymeric micelles for co-delivery of quercetin/resveratrol and resveratrol/ curcumin in ovarian cancer. American Association of Pharmaceutical Scientists Annual Meeting, (San Diego, CA, November 2017)

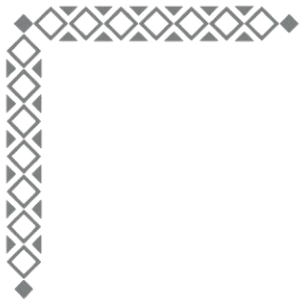
Podium Presentation:

Adel Al Fatease, Vidhi Shah, Brianna Cote, Deepa A. Rao, and Adam WG Alani, Efficacy of dosage regimens on tumor microenvironment utilizing nanocarriers for combinatorial chemotherapeutics in breast cancer model, Oregon Health and Science University Research Week, scheduled on May,13, 2019, Portland, OR (Accepted abstract).

Adel Al Fatease, Vidhi Shah, Brianna Cote, Deepa A. Rao, and Adam WG Alani, Nanocarriers for combinatorial chemotherapeutics to inhibit angiogenesis and tumor growth along with immunomodulation at

different dosage regimens as an approach to cancer treatment, OSU Annual Rising Lecture and Graduate Retreat. (Seaside, OR, October 23, 2018)

Adel Al Fatease, Vidhi Shah, Duc Nguyen, Brianna Cote, Deepa A. Rao, and Adam



WG Alani, Evaluation of combinatorial chemotherapeutics nano-carriers in breast cancer model for inhibition of angiogenesis and tumor growth" Oregon Health and Science University Research Week, May 2018, Portland, OR.