

Faculty Portofolio

Dr. Yahya Alhamhoom

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Education:

Year of Graduation	Qualifications (Specializations if any)	University/College, Country
2017	PhD. Pharmaceutics	Department of Pharmaceutical and Biomedical Sciences, College of Pharmacy, University of Georgia, Athens, GA, USA (a G.P.A of 4/4)
2007	B.Sc. Pharmacy	College of Pharmacy, King Khalid University, Abha, Saudi Arabia (a G.P.A of 4.63/5 and Excellent category with Class Honor)

Professional experience:

Year	Positions	University/College, Country
2017-Present	<i>Assistant Professor</i> , Department of Pharmaceutics	College of Pharmacy, King Khalid University, Abha, Saudi Arabia
2017-Present	<i>Vice Dean for Academic Affairs</i>	College of Pharmacy, King Khalid University, Abha, Saudi Arabia
2018-2019	<i>Chairman</i> , Department of Pharmaceutics	College of Pharmacy, King Khalid University, Abha, Saudi Arabia
2007-2017	<i>Teaching Assistant</i> , Department of Pharmaceutics	College of Pharmacy, King Khalid University, Abha, Saudi Arabia

Community service activities

Year	Positions & Name of the Project	University/Company, Country
2018	Speaker, Saudi Pharmaceutical Licensure Examination Preparation Course	King Khalid University, KSA

Academic/research awards:

Year/Duration of Award	Name of the Award	University/Company, Country
2017	LaRocca Award finalist	University of Georgia, Athens, GA. USA
2010-2017	Full scholarship from King Khalid University to pursue a PhD degree in Pharmaceutics	University of Georgia, Athens, GA. USA

Workshops/ Trainings:

Year	Title	University/Company, Country
2019	Hydrodynamic Gene Delivery	King Saud University, Riyadh, Saudi Arabia

Research interests:

- Development and characterization of advanced drug delivery systems
- Quantification of small molecules and phospholipids in cells and tissue samples using pharmaceutical analysis (e.g., HPLC, LC-MS/MS)
- Experience in cell culture techniques, transduction and bioassay
- Animal models of cancer and metabolic diseases
- Scanning electron microscopy and *in vivo* live bioimaging
- Gene therapy and gene function discovery using Hydrodynamic Gene Delivery *in vivo*
- Recombinant DNA and genetic techniques include: gene cloning and polymerase chain reaction (PCR)

Teaching experience:

- **PHT 408** Sterile Pharmaceutical Preparations, College of Pharmacy
King Khalid university, 2017-2018
- **PHT 202** Pharmaceutical Calculations and Solutions, College of Pharmacy
King Khalid University, 2018
- **PHT 305** Biopharmaceutics, College of Pharmacy,
King Khalid University, 2018 - 2020
- **PHT 406** Industrial Pharmacy, College of Pharmacy
King Khalid University, 2018 and 2019
- **PHT 509** Dermatological Preparations, College of Pharmacy
King Khalid University, 2018

Research grants:

Year/Duration of Grant	Title of the Project	Awarding Body
2020-2022	Magnetic-Assisted Nanoarchitected Multifunctional Porous Nanoparticles for Improved Bioanalysis, Grant ID: 945, (Co-PI)	Research and Development Office, Ministry of Education, Saudi Arabia
2017-2018	Dry Powder Inhaler Formulation Development of Glucagon for Pulmonary Delivery, Grant ID: 183, (Co-PI)	Deanship of Scientific Research, King Khalid University, Abha, Saudi Arabia

Publications:

1. Sheraba, N.S., Diab, M.R., Yassin, A.S., Amin, M.A., **Alhamhoom, Y.**, and Zedan, H.H., An Efficient Method for Endotoxin Removal from Snake Antivenoms. *Chromatographia*, 2020. **83**: p. 779-787.
2. Rahamathullah, M., H.V, G., Veerapu, G., Hani, U., **Alhamhoom, Y.**, Alqahtani, A., and Moin, A., Characterization, Optimization, *In Vitro* and *In Vivo* Evaluation of Simvastatin Proliposomes, as a Drug Delivery. *AAPS PharmSciTech*, 2020. **21**: 129.
3. Begum, M.Y., **Alhamhoom, Y.**, and Roy, A., Study of Antimicrobial and DNA cleavage Property of Biocompatible Silver Nanoparticles Prepared by Using *Ficus Carica L.* *Materials Research Innovations*, 2020: p. 1-8.
4. Aziz, N.B., Mahmudunnabi, R.G., Umer, M., Sharma, S., Abdur Rashid, M., **Alhamhoom, Y.**, Shim, Y., Salomon, C., and Shiddiky, M. J.A., MicroRNAs in Ovarian Cancer and Recent Advances in the Development of MicroRNA-based Biosensors. *Analyst*, 2020. **145**(6): p. 2038-57.
5. Abdur Rashid, M., Elgied, A., **Alhamhoom, Y.**, Chan, E., Rintoul, L., Allahham, A., and Islam, N., Excipient Interactions in Glucagon Dry Powder Inhaler Formulation for Pulmonary Delivery. *Pharmaceutics*, 2019. **11**(5): p. 207-20.
6. Rahamathullah, M., Alam, N., Hani, U., Ibrahim, Q., and **Alhamhoom, Y.**, Anti-cancer Drug Neritinib Effervescent Floating Matrix Tablet: Development and *In Vitro Evaluation*. *Pakistan Journal of Pharmaceutical Sciences*, (Accepted Aug. 2019).
7. Abdur Rashid, M., Elgied, A., **Alhamhoom, Y.**, Chan, E., Rintoul, L., Allahham, A., and Islam, N., Excipient Interactions in Glucagon Dry Powder Inhaler Formulation for Pulmonary Delivery. *Pharmaceutics*, 2019. **11**(5): p. 207-20.
8. Alsayari, A., Ghazwani, M., Almaghaslah, D., **Alhamhoom, Y.**, Louis, J., Altohami, J., Al-Assiri, G., Alaboghobar, G., Alshahrani, N., Alfaihi, H., and Rajalakshimi, V., Potential Analgesic and Diuretic Activity of *Crataegus Oxyacantha* Linn. *Research J Pharm and Tech*, 2018. **11**(6): p. 2476-82.
9. Alsayari, A., Ghazwani, M., Almaghaslah, D., **Alhamhoom, Y.**, Saad, M., Ahmed, R., Saeed, W., Ali, W., and Batool, S., Bombax Ceiba: A Potential Anti-anxiety Drug. *Pharmacogn J*, 2018. **10**(4): p. 712-14.
10. Al-Sayari, A., Ghazwani, M., **Alhamhoom, Y.**, Almaghaslah, D., Louis, J., and Gurusamy, N., The Antidepressant-like Effect of Almond Oil: An Additive Effect with Lavender Oil. *Biomed Res*, 2018. **29**(18): p. 3402-07.