

Sarah Ibrahim Bukhari, PhD

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EDUCATION

- 2014** PhD in Clinical Microbiology, Department of Pharmacy and Pharmacology, University of Bath, United Kingdom
- 2007** Bachelor of Pharmaceutical Sciences, College of Pharmacy, King Saud University, Riyadh, Kingdom of Saudi Arabia

PROFESSIONAL/WORK EXPERIENCE

- 2022- Present** Associate Professor, Department of Pharmaceutics, College of Pharmacy, King Saud University
- 2023-Present** Full-time consultant, College of Pharmacy, Almaarefa university
- 2022- 2023** Part-time consultant, College of Pharmacy, Almaarefa university
- 2016- 2020** Vice Chairperson of Pharmaceutics Department, College of Pharmacy, King Saud University
- 2015- 2016** Assistant Supervisor of the Experiential Learning Program, College of Pharmacy, King Saud University
- 2014- 2022** Assistant Professor of Pharmaceutical Microbiology in the Pharmaceutics Department, College of Pharmacy, King Saud University
- 2014- 2016** Mentoring program coordinator, College of Pharmacy, King Saud University
- 2007- 2013** Teaching assistant of Pharmaceutical Microbiology in the Pharmaceutics Department, College of Pharmacy, King Saud University

PROFESSIONAL TRAINING

- 2021** Public Health Volunteering course, Canada Global Centre and MOH
- 2019** Certified Item Author, Saudi Commission For Health Specialities
- 2018** Executive Leadership Program For Women, Royal College Of Surgeons In Ireland, Mohammed Bin Rashid University Of Medicine and Health Sciences, Dubai
- 2018** New Faculty Orientation And Preparation Program, Staff And Educational Development Association and King Saud University

PUBLICATIONS

1. Ahmed, M.M., Anwer, M.K., Soliman, G.A., Aldawsari, M.F., Mohammed, A.A., Alshehri, S., Ghoneim, M.M., Alali, A.S., Alshetali, A., Alalaiwe, A. and **Bukhari, S.I.**, 2022. Application of hydrophilic polymers for the preparation of tadalafil solid dispersions: micromeritics properties, release and erectile dysfunction studies in male rats. *PeerJ*, 10, p.e13482.
2. Suresh, P., Salem-Bekhit, M.M., Veedu, H.P., Alshehri, S., Nair, S.C., **Bukhari, S.I.**, Viswanad, V., Taha, E.I., Sahu, R.K., Ghoneim, M.M. and Elbagory, I., 2022. Development of a Novel Methotrexate-Loaded Nanoemulsion for Rheumatoid Arthritis Treatment with Site-Specific Targeting Subcutaneous Delivery. *Nanomaterials*, 12(8), p.1299.
3. Imam, S.S., Alshehri, S., Altamimi, M.A., Almalki, R.K.H., Hussain, A., **Bukhari, S.I.**, Mahdi, W.A. and Qamar, W., 2022. Formulation of Chitosan-Coated Apigenin Bilosomes: In Vitro Characterization, Antimicrobial and Cytotoxicity Assessment. *Polymers*, 14(5), p.921.

4. Moubayed, N.M., Al Hour, H.J. and **Bukhari, S.I.**, 2021. *Turbinaria ornata* and its associated epiphytic *Bacillus* sp. a promising molecule supplier to discover new natural product approaches. *Saudi Journal of Biological Sciences*.
5. Mahdi, W.A., **Bukhari, S.I.**, Imam, S.S., Alshehri, S., Zafar, A. and Yasir, M., 2021. Formulation and Optimization of Butenafine-Loaded Topical Nano Lipid Carrier-Based Gel: Characterization, Irritation Study, and Anti-Fungal Activity. *Pharmaceutics*, 13(7), p.1087.
6. **Bukhari, S.I.**, Imam, S.S., Ahmad, M.Z., Vuddanda, P.R., Alshehri, S., Mahdi, W.A. and Ahmad, J., 2021. Recent Progress in Lipid Nanoparticles for Cancer Theranostics: Opportunity and Challenges. *Pharmaceutics*, 13(6), p.840.
7. Hussain, A., Mahdi, W.A., Alshehri, S., **Bukhari, S.I.** and Almaniea, M.A., 2021. Application of Green Nanoemulsion for Elimination of Rifampicin from a Bulk Aqueous Solution. *International Journal of Environmental Research and Public Health*, 18(11), p.5835.
8. Al-Wabli, R.I., Alsulami, M.A., **Bukhari, S.I.**, Moubayed, N., Al-Mutairi, M.S. and Attia, M.I., 2021. Design, Synthesis, and Antimicrobial Activity of Certain New Indole-1, 2, 4 Triazole Conjugates. *Molecules*, 26(8), p.2292.
9. Mahdi, W.A., Hussain, A., Altamimi, M.A., Alshehri, S., **Bukhari, S.I.** and Ahsan, M.N., 2021. Experimental Solubility, Thermodynamic/Computational Validations, and GastroPlus-Based In Silico Prediction for Subcutaneous Delivery of Rifampicin. *AAPS PharmSciTech*, 22(3), pp.1-14.
10. Mahdi, W.A., Hussain, A., **Bukhari, S.I.**, Alshehri, S., Singh, B. and Ali, N., 2021. Removal of clarithromycin from aqueous solution using water/triton X-100/ethanol/olive oil green nanoemulsion method. *Journal of Water Process Engineering*, 40, p.101973.
11. Mahdi, W.A., Hussain, A., Ramzan, M., Faruk, A., **Bukhari, S.I.** and Dev, A., 2021. Pluronic-Coated Biogenic Gold Nanoparticles for Colon Delivery of 5-Fluorouracil: In vitro and Ex vivo Studies. *AAPS PharmSciTech*, 22(2), pp.1-18.
12. **Bukhari, S.I.**, Hamed, M.M., Al-Agamy, M.H., Gazwi, H.S., Radwan, H.H. and Youssif, A.M., 2021. Biosynthesis of Copper Oxide Nanoparticles Using *Streptomyces* MHM38 and Its Biological Applications. *Journal of Nanomaterials*, 2021.
13. Amina, M., Al Musayeib, N.M., Alarfaj, N.A., El-Tohamy, M.F., Oraby, H.F., Al Hamoud, G.A., **Bukhari, S.I.** and Moubayed, N.M., 2020. Biogenic green synthesis of MgO nanoparticles using *Saussurea costus* biomasses for a comprehensive detection of their antimicrobial, cytotoxicity against MCF-7 breast cancer cells and photocatalysis potentials. *Plos one*, 15(8), p.e0237567.
14. Perveen, S., Orfali, R., Azam, S., Aati, H.Y., Bukhari, K., **Bukhari, S.I.** and Al-Taweel, A., 2020. Coronavirus nCOVID-19: A pandemic disease and the Saudi precautions. *Saudi Pharmaceutical Journal*.
15. **Bukhari, S.I.**, Alfawaz, H., Al-Dbass, A., Bhat, R.S., Moubayed, N.M., Bukhari, W., Hassan, S.A., Merghani, N., Elsamaligy, S. and El-Ansary, A., 2020. Efficacy of Novavit in ameliorating the neurotoxicity of propionic acid. *Translational Neuroscience*, 11(1), pp.134-146.
16. Alarfaj, N.A., Amina, M., Al Musayeib, N.M., El-Tohamy, M.F., Oraby, H.F., **Bukhari, S I.** and Moubayed, N., 2020. Prospective of Green Synthesized Oleum cumini Oil/PVP/MgO Bionanocomposite Film for Its Antimicrobial, Antioxidant and Anticancer Applications. *JOURNAL OF POLYMERS AND THE ENVIRONMENT*.
17. Abd Alhameed, R., Almarhoon, Z., **Bukhari, S.I.**, El-Faham, A., de la Torre, B.G. and Albericio, F., 2020. Synthesis and Antimicrobial Activity of a New Series of Thiazolidine-2, 4-diones Carboxamide and Amino Acid Derivatives. *Molecules*, 25(1), p.105.
18. **Bukhari, S.I.** and Aleanizy, F.S., 2020. Association of OprF mutant and disturbance of biofilm and pyocyanin virulence in *pseudomonas aeruginosa*. *Saudi Pharmaceutical Journal*, 28(2), pp.196-200.
19. Amina, M., Al Musayeib, N.M., Alarfaj, N.A., El-Tohamy, M.F., Orabi, H.E., **Bukhari, S.I.** and Mahmoud, A.Z., 2019. Exploiting the Potential of *Moringa oleifera* Oil/Polyvinyl Chloride

- Polymeric Bionanocomposite Film Enriched with Silver Nanoparticles for Antimicrobial Activity. International Journal of Polymer Science, 2019.
20. Alfawaz, H., Al-Onazi, M., **Bukhari, S.I.**, Binobead, M., Othman, N., Algahtani, N., Bhat, R.S., Moubayed, N.M., Alzeer, H.S. and El-Ansary, A., 2018. The independent and combined effects of omega-3 and vitamin B12 in ameliorating propionic acid induced biochemical features in juvenile rats as rodent model of autism. Journal of Molecular Neuroscience, 66(3), pp.403-413.
 21. Tan, L.T.H., Chan, K.G., Khan, T.M., **Bukhari, S.I.**, Saokaew, S., Duangjai, A., Pusparajah, P., Lee, L.H. and Goh, B.H., 2017. Streptomyces sp. MUM212 as a source of antioxidants with radical scavenging and metal chelating properties. Frontiers in pharmacology, 8, p.276.
 22. Law, J.W.F., Ser, H.L., Duangjai, A., Saokaew, S., **Bukhari, S.I.**, Khan, T.M., Ab Mutalib, N.S., Chan, K.G., Goh, B.H. and Lee, L.H., 2017. Streptomyces colonosans sp. nov., a novel actinobacterium isolated from Malaysia mangrove soil exhibiting antioxidative activity and cytotoxic potential against human colon cancer cell lines. Frontiers in Microbiology, 8, p.877.
 23. Letchumanan, V., Chan, K.G., Khan, T.M., **Bukhari, S.I.**, Ab Mutalib, N.S., Goh, B.H. and Lee, L.H., 2017. Bile sensing: the activation of Vibrio parahaemolyticus virulence. Frontiers in microbiology, 8, p.728.
 24. Yamsani, V.V., Raghava Reddy, S.W., **Bukhari, S.I.**, Mahmoud, H.A. and Al-Arifi, M.N., 2016. Formulation Design and In-vitro Ex-vivo Evaluation of Sustained Release Matrix Tablet of Tizanidine Hydrochloride by Direct Compression Method. Asian Journal of Pharmaceutics, 10(2), p.S139.
 25. Manan, W.Z.W., Mahalingam, S.R., Arshad, K., **Bukhari, S.I.** and Ming, L.C., 2016. Safety and efficacy of sea cucumber containing products. Archives of Pharmacy Practice, 7(5), p.S48.
 26. Mukhtar, M., Tiong, C.S., **Bukhari, S.I.**, Abdullah, A.H. and Ming, L.C., 2016. Safety and efficacy of health supplement (Stevia rebaudiana). Archives of Pharmacy Practice, 7.
 27. Boleij, A., Muytjens, C.M., **Bukhari, S.I.**, Cayet, N., Glaser, P., Hermans, P.W., Swinkels, D.W., Bolhuis, A. and Tjalsma, H., 2011. Novel clues on the specific association of Streptococcus gallolyticus subsp gallolyticus with colorectal cancer. Journal of Infectious Diseases, 203(8), pp.1101-1109.

COMMITTEE AND MEMBERSHIP

Department of Pharmaceutics-level committees:

2015-Present	Attracting outstanding faculty and researcher	Member
2015-Present	Master program	Member
2015-Present	TA and Scholars	chairperson
2018 - 2019	Patient's safety	Member

College of Pharmacy-level committees:

2019 -Present	College of Pharmacy Strategic Plan	Member
2019 -Present	College laboratories assessments	Member

External Committees:

2021-2023	Considering Violations of the Provisions of the Establishments Law for Pharmaceutical and Herbal Products, and Grievances of	Deputy Chair
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	Concerned Persons from Penalty Decisions, SFDA	
2021	Curriculum Revision, College of Pharmacy, AlMaarefa university	Member
2018- Present	The American Association of Pharmaceutical Scientists (AAPS)	Member
	Saudi discussion group, Saudi Arabia	
2019-2021	Basic Biomedical Science Examination Committee for Pharmacy	Member
	Professional Practice License Examination, SCHS	