

Dr. Asim Najmi, Pharm.D, PhD

College of Pharmacy
Jazan University, Jazan
Kingdom of Saudi Arabia
Mobile: 00966-569762014
Email: anajmi@jazanu.edu.sa
Asim.najmi@gmail.com



Qualifications and Professional Experiences

Assistant Professor: February 2020 up to date, College of Pharmacy, Jazan University, Kingdom of Saudi Arabia

Major Responsibilities

- **Vice Dean For Academic Affairs**
- **Head of the Department of Pharmaceutical Chemistry.**
- **Secretary of the College Board.**
- **Member of the College Board.**

Education

PhD, Pharmaceutical Sciences, South Dakota State University, USA.

Pharma.D, College of Pharmacy, Taif University, Saudi Arabia

Training:

- Qualifying Academic Accreditation Auditors
 - Academic Quality Specialist
 - Academic Quality Practitioner
 - MBS Strategy and Execution Program
 - MBSC Leadership Essentials
 - Conflict Management in the work Environment
 - Train of Trainer (TOT)
 - Item Author For the Heath programs examination
 - Good Manufacturing Practices (GMP)
 - Preparation and Responding for a GMP inspection
-

Funded Research Projects

1. **Project Title:** *Design, Synthesis, Molecular Docking And In Vivo Antidiabetic Activity Of Novel Benzylidene 2,4-Thiazolidinedione Derivatives As Partial Pparg Agonists.* **Principal Investigator:** Dr Asim Najmi Granted SAR 60000/- in 2021-2022 by Research Deanship, Jaza University, Kingdom of Saudi Arabia.
2. **Project Title:** Identify The Best Reproposed Drugs And More Effective Combinations For English Treatment Of Covid-19 Utilizing The Modern Molecular Modeling And Dynamics Techniques **Principal Investigator:** Dr Asim Najmi Granted SAR 13000/- in 2021 by Research Deanship, Jaza University, Kingdom of Saudi Arabia.
3. **Project Title:** Phytochemical investigation, antimicrobial activities against resistant bacteria and cytotoxic activity of medicinal plants of Jazan region **Principal Investigator:** Dr Asim Najmi Granted SAR 50000/- in 2023 by Ministry of Education Fund Program, Research Deanship, Jaza University, Kingdom of Saudi Arabia IS P20-16.

Patents

- 1- Guan, X.; **Najmi, A.**; Wang, S.; Huang, Y.; Seefeldt, T.; Alqahtani, Y. Glutathione-Cholesterol Derivatives as Brain Targeting Agents, US Provisional App No. 62/717,449, filed on August 10, 2018.
- 2- Guan, X.; **Najmi, A.**; Wang, S.; Huang, Y.; Seefeldt, T.; Alqahtani, Y. Glutathione-Cholesterol Derivatives as Brain Targeting Agents, Patent application, App. Serial No. 62717449, File No. 8968718/142785, filed on August 12, 2019.
- 3- Guan, X.; **Najmi, A.**; Wang, S.; Huang, Y.; Seefeldt, T.; Alqahtani, Y. Glutathione-Cholesterol Derivatives as Brain Targeting Agents, US/PCT application (PCT/US2019/00039) filed on August 12, 2019.

List of Publications

1. Alqahtani Y, Wang S., **Najmi A**, Huang Y, Guan X* Design, Synthesis, and Characterization of Bis(7-(N-(2-morpholinoethyl)sulfamoyl)benzo[c][1,2,5]oxadiazol-5-yl)sulfane (BISMORX) for Non-Protein Thiol Imaging in Lysosomes in Live Cells, Anal Chem 2019, 91, 15300-15307. doi: 10.1021/acs.analchem.9b04552.
2. Alqahtani Y, Wang S., **Najmi A**, Huang Y, Guan X* Thiol-specific fluorogenic agent for live cell non-protein thiol imaging in lysosomes, Anal Bioanal Chem. 2019, 411:6463–6473.

3. W Ahsan, S Javed, M Al Bratty, HA Alhazmi, **A Najmi**. Treatment of SARS-CoV-2: How far have we reached? *Drug Discoveries & Therapeutics*, 14(2):67-72, 2020.
4. Mohammed Al-Bratty, Hassan A Alhazmi, Hafiz A Makeen, **Asim Najmi**, Md Shamsheer Alam, Rabea Mussa Rabea Ageeli, Hisham MA Muzafar, Nawazish Alam, M Intakhab Alam. Quality Control Measurement and in vitro Bioequivalence of Candesartan Cilexetil Tablets Marketed in Saudi Arabia. *Journal of Pharmaceutical Research International*, 32(12), 155-163, 2020.
5. Waquar Ahsan, Hassan A Alhazmi, Kuldeep Singh Patel, Bharti Mangla, Mohammed Al Bratty, Shamama Javed, **Asim Najmi**, Muhammad Hadi Sultan, Hafiz A Makeen, Asaad Khalid, Syam Mohan, Manal ME Taha, Shahnaz Sultana. Recent Advancements in the Diagnosis, Prevention, and Prospective Drug Therapy of COVID-19. *Frontiers in public health*, 8, 324, 2020.
6. Al Bratty, Mohammed; Hakami, Ayman Q.; Masmali, Hatim A.; Alam, Md. S.; Alhazmi, Hassan A.; Thangavel, Neelaveni; **Najmi, Asim**; Moni, Sivakumar S.; Haque, Anzarul. The Spectrum of Thiazolidinediones Against Respiratory Tract Pathogenic Bacteria: An In-Vitro and In-Silico Approach. *Current Pharmaceutical Biotechnology*, 21(14), 1457-1469, 2020.
7. Syam Mohan, Manal Mohamed Elhassan Taha, Hafiz A Makeen, Hassan A Alhazmi, Mohammed Al Bratty, Shahnaz Sultana, Waquar Ahsan, **Asim Najmi**, Asaad Khalid. Bioactive natural antivirals: An updated review of the available plants and isolated molecules. *Molecules*, 25(21), 4878, 2020.
8. Mohammed Al-Bratty, Hassan A Alhazmi, Sadique A Javed, Waquar Ahsan, **Asim Najmi**, Gulrana Khuwaja, Hafiz A Makeen, Asaad Khalid. Determination of Caffeine Content in Commercial Energy Beverages Available in Saudi Arabian Market by Gas Chromatography-Mass Spectrometric Analysis. *Journal of Spectroscopy*, 2020.
9. Hassan A Alhazmi, Mohammed Al Bratty, Abdulkarim M Meraya, **Asim Najmi**, Md Shamsheer Alam, Sadique A Javed, Waquar Ahsan. Spectroscopic characterization of the interactions of bovine serum albumin with medicinally important metal ions: platinum (IV), iridium (III) and iron (II). *Acta Biochimica Polonica*, 68, 2021.
10. **Najmi A**, Wang S., Hwang Y, Seefeldt T, Alqahtani Y, 2-(2-Cholesteroxyethoxyl)ethyl 3'-S-glutathionylpropionate and Its Self-assembled

Micelles for Brain Drug Delivery: Design, Synthesis and Evaluation, Int J Pharm. 2021, May 1;600:120520.doi: 10.1016/j.ijpharm.2021.120520.

11. KA El-Sharkawy, M Al Bratty, HA Alhazmi, **A Najmi**. Design, synthesis, and biological activities of novel thiophene, pyrimidine, pyrazole, pyridine, coumarin and isoxazole: Dydrogesterone derivatives as antitumor agents. Open Chemistry 19 (1), 322-337, 2021.
12. HA Alhazmi, **A Najmi**, SA Javed, S Sultana, M Al Bratty, HA Makeen, ...Medicinal plants and isolated molecules demonstrating immunomodulation activity as potential alternative therapies for viral diseases including COVID-19. Frontiers in Immunology 12, 2021.
13. **Asim Najmi**, Mohammed Al Bratty, Bassam Abdullah Al-Bassam, Rami Ali Aseri, Turki Suliman Wadani, Abdulrahman Ibrahim Al-Muntashiri, Hassan A Alhazmi, Muhammad H Sultan, Sadique A Javed. Evaluation of In Vitro Equivalence of Commonly Available Generic Brands of Amlodipine Tablets in Saudi Arabia Under Biowaiver Conditions. DISSOLUTION TECHNOLOGIES, 28(2), 2021.
14. Bharti Mangla, Shamama Javed, Muhammad Hadi Sultan, Pankaj Kumar, Kanchan Kohli, **Asim Najmi**, Hassan A Alhazmi, Mohammed Al Bratty, Waquar Ahsan. Sulforaphane: a review of its therapeutic potentials, advances in its nanodelivery, recent patents, and clinical trials. Phytotherapy Research,
15. Alhazmi, Hassan A., et al. "Chemo-profiling of illicit amphetamine tablets seized from Jazan, Saudi Arabia, using gas chromatography-mass spectrometry and chemometric techniques." Journal of Chemistry 2021 (2021).
16. Albratty, M., Alhazmi, H. A., Meraya, A. M., **Najmi, A.**, Alam, M. S., Rehman, Z., & Moni, S. S. (2021). Spectral analysis and Antibacterial activity of the bioactive principles of Sargassum tenerrimum J. Agardh collected from the Red sea, Jazan, Kingdom of Saudi Arabia. Brazilian Journal of Biology, 83.
17. Albratty, M., Alhazmi, H. A., Meraya, A. M., **Najmi, A.**, Alam, M. S., Rehman, Z., & Moni, S. S. (2021). Análise espectral e atividade antibacteriana dos princípios bioativos de Sargassum tenerrimum J. Agardh coletados no mar Vermelho, Jazan, Reino da Arábia Saudita. Brazilian Journal of Biology, 83.
18. Al Bratty, M., Alhazmi, H. A., Javed, S. A., Rehman, Z. U., **Najmi, A.**, & El-

- Sharkawy, K. A. (2021). Rapid Screening and Estimation of Binding Constants for Interactions of Fe³⁺ with Two Metalloproteins, Apotransferrin and Transferrin, Using Affinity Mode of Capillary Electrophoresis. *Journal of Spectroscopy*, 2021.
19. Ahsan, W., Syed, N. K., Alsraeya, A. A., Alhazmi, H. A., **Najmi, A.**, Al Bratty, M., ... & Alqahtani, S. S. (2021). Post-vaccination survey for monitoring the side effects associated with COVID-19 vaccines among healthcare professionals of Jazan province, Saudi Arabia. *Saudi Medical Journal*, 42(12), 1341.
20. Alhazmi, H. A., Ahsan, W., Mangla, B., Javed, S., Hassan, M. Z., Asmari, M., ... & **Najmi, A.** (2022). Graphene-based biosensors for disease theranostics: Development, applications, and recent advancements. *Nanotechnology Reviews*, 11(1), 96-116.
21. Thangavel, N., Al Bratty, M., AL HAZMI, H. A. S. S. A. N., NAJMI, A., & Sivadasan, D. (2022). Structural Attributes of Organic Compounds for UV-Spectrophotometric Determination of Dissociation Constant-A Systematic Review. *Oriental Journal Of Chemistry*, (1), 85-93.
22. Behl, T., Singh, S., Sharma, N., Zahoor, I., Albarrati, A., Albratty, M., ... & Bungau, S. (2022). Expatriating the Pharmacological and Nanotechnological Aspects of the Alkaloidal Drug Berberine: Current and Future Trends. *Molecules*, 27(12), 3705.
23. Behl, T., Makkar, R., Sehgal, A., Sharma, N., Singh, S., Albratty, M., ... & Bungau, S. G. (2022). Insights into the Explicit Protective Activity of Herbals in Management of Neurodegenerative and Cerebrovascular Disorders. *Molecules*, 27(15), 4970.
24. **Najmi, A.**, Javed, S. A., Al Bratty, M., & Alhazmi, H. A. (2022). Modern approaches in the discovery and development of plant-based natural products and their analogues as potential therapeutic agents. *Molecules*, 27(2), 349.
25. Alhazmi, H. A., Bakri, M. A., Mohzari, Y. A., Alshigaify, Y. G., Al Bratty, M., Javed, S. A., ... & Taha, M. M. E. (2022). Study of influence of Catha edulis (Khat) chewing on oral pharmacokinetics of irbesartan in rats using a newly developed HPLC-UV method. *Saudi Pharmaceutical Journal*, 30(3), 237-244.
26. **Najmi, A.**, Albratty, M., Alhazmi, H. A., Thangavel, N., Alam, M. S., Ahsan, W., ... & El-Sharkawy, K. A. (2022). Spectroscopic and in silico approach to probe the

- binding interactions of irbesartan and human serum albumin. *Journal of King Saud University-Science*, 34(3), 101875.
27. Thangavel, N., **Najmi, A.**, Shar, A. A. J., Alhabsi, B. A. F., Ghazwani, S. M. S., Ashraf, S. E., & Rehman, Z. (2022). Gas Chromatography-Mass Spectrometry-based Phytochemical Analysis and in-Vitro Anti-Lipid Peroxidation, Cyclooxygenase inhibition Activities of Saudi *Eruca sativa* Leaves. *Journal of the Chemical Society of Pakistan*, 44(2).
 28. Ahsan, W., Alam, M. S., Javed, S., Alhazmi, H. A., Albratty, M., **Najmi, A.**, & Sultan, M. H. (2022). Study of Drug Release Kinetics of Rosuvastatin Calcium Immediate-Release Tablets Marketed in Saudi Arabia. *DISSOLUTION TECHNOLOGIES*, 29(2).
 29. Meraya, A. M., Ahsan, W., Albratty, M., Alhazmi, H. A., & **Najmi, A.** (2022). Perception of Individuals with Diabetes about Efficacy and Safety of Complementary and Alternative Medicines (CAM) in the Jazan Region, Saudi Arabia. *Evidence-Based Complementary and Alternative Medicine*, 2022.
 30. Malik, Y. A., Awad, T. A., Abdalla, M., Yagi, S., Alhazmi, H. A., Ahsan, W., ... & Khalid, A. (2022). Chalcone Scaffolds Exhibiting Acetylcholinesterase Enzyme Inhibition: Mechanistic and Computational Investigations. *Molecules*, 27(10), 3181.
 31. Behl, T., Kumar, S., Singh, S., Bhatia, S., Albarrati, A., Albratty, M., ... & Bungau, S. (2022). Reviving the mutual impact of SARS-COV-2 and obesity on patients: From morbidity to mortality. *Biomedicine & Pharmacotherapy*, 113178.
 32. Verma, S., Tonk, R. K., Albratty, M., Alhazmi, H. A., **Najmi, A.**, Kumar, R., ... & Alam, M. S. (2022). Design and evaluation of sustained release mucoadhesive film of sumatriptan succinate containing grafted co-polymer as the platform. *Saudi Pharmaceutical Journal*.
 33. **Najmi, A.**, Wang, S., Huang, Y., Seefeldt, T., Alqahtani, Y., & Guan, X. (2022). 2-(2-Cholesteroxyethoxyl) ethyl-3'-S-glutathionylpropionate (COXP) for brain-targeting liposomes. *Journal of Drug Delivery Science and Technology*, 103674.
 34. Alharbi, K. S., Almalki, W. H., Albratty, M., Meraya, A. M., **Najmi, A.**, Vyas, G., ... & Gupta, G. (2022). The therapeutic role of nutraceuticals targeting the Nrf2/HO-1 signaling pathway in liver cancer. *Journal of Food Biochemistry*, e14357.

35. Behl, T., Kaur, I., Sehgal, A., Singh, S., Albarrati, A., Albratty, M., ... & Bungau, S. (2022). The road to precision medicine: Eliminating the “One Size Fits All” approach in Alzheimer’s disease. *Biomedicine & Pharmacotherapy*, 153, 113337.
36. Behl, T., Gupta, A., Sehgal, A., Albarrati, A., Albratty, M., Meraya, A. M., ... & Bungau, S. (2022). Exploring protein tyrosine phosphatases (PTP) and PTP-1B inhibitors in management of diabetes mellitus. *Biomedicine & Pharmacotherapy*, 153, 113405.
37. Rout, S. K., Priya, V., Setia, A., Mehata, A. K., Mohan, S., Albratty, M., ... & Muthu, M. S. (2022). Mitochondrial targeting theranostic nanomedicine and molecular biomarkers for efficient cancer diagnosis and therapy. *Biomedicine & Pharmacotherapy*, 153, 113451.

Book Chapter

- 1- Chapter 5 - Dermatological effects of *Nigella sativa*: A cosmetic and therapeutic approach, Editor(s): Andleeb Khan, Muneeb Rehman, Black Seeds (*Nigella Sativa*), Elsevier, 2022, Pages 119-148, ISBN 9780128244623, <https://doi.org/10.1016/B978-0-12-824462-3.00002-0>; Link to Chapter: <https://www.sciencedirect.com/science/article/pii/B9780128244623000020>

Conferences and Symposia

- 1- Najmi, Asim, et al. "Design, synthesis, and evaluation of derivatives of glutathione linked to cholesterol via a link for brain-targeting drug delivery." ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY. Vol. 254. 1155 16TH ST, NW, WASHINGTON, DC 20036 USA: AMER CHEMICAL SOC, 2017.
- 2- Huang, Yue, et al. "Design, synthesis, and evaluation of glutathione-cholesterol sulfide and its derivatives as brain-targeting agents." ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY. Vol. 254. 1155 16TH ST, NW, WASHINGTON, DC 20036 USA: AMER CHEMICAL SOC, 2017.
- 3- Huang, Y., Wang, S., Najmi, A., & Guan, X. (2019, August). GUNW-3 as a brain-targeting agent to improve the delivery of tamoxifen to the brain. In ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY (Vol. 258). 1155 16TH ST, NW, WASHINGTON, DC 20036 USA: AMER CHEMICAL SOC. Articles submitted to academic and specialized conferences which have been evaluated and published in full articles in conference proceedings.
- 4- Wang, S., Huang, Y., Alqahtani, Y., Najmi, A., Seefeldt, T., & Guan, X. (2019, August). Development of N, N, N-Trimethyl-2-oxo-2-(2-((7-sulfino-2-benzofuro[2,3-b]pyridin-4-yl) sulfonyl) hydrazinyl) ethan-1-aminium (TOSBA) as a thiol specific fluorogenic agent for cell surface thiol imaging in live cells. In ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY (Vol. 258). 1155 16TH ST, NW, WASHINGTON, DC 20036 USA: AMER CHEMICAL SOC.

Awards

- Best Researcher Award on second on Stanford 2018 conference in Brookings, South Dakota, USA.
- Best Researcher Award on second on Stanford 2019 conference in Brookings, South Dakota, USA.

Place:

Signature

Date: