

ABDULMAJEED JALI

Department of Pharmacology and Toxicology
College of Pharmacy, Jazan University
Phone: (+966) 55 008 6706
amjali@jazanu.edu.sa
Al Maarefah Rd, Jazan, Saudi Arabia 82816

EDUCATION

PhD	School of Medicine, Virginia Commonwealth University Pharmacology and Toxicology	Aug, 2020
MS	School of Medicine, Virginia Commonwealth University Pharmacology and Toxicology	Aug, 2017
BS	College of Pharmacy, King Khalid University Pharmacy	Oct 2011

HONORS AND AWARDS

Best Academic Advisor in Pharmacy College, Jazan University	2022
Travel Award in ASPET 2018 Awardees are funded for travel expenses	2018
Phi Kappa Phi Award Excellence in Academia	2017
Graduation with Honor Bachelor of Pharmacy	2011

RESEARCH EXPERIENCE

• Research assistant, Virginia Commonwealth University	2015-2020
• Assistant Professor, Jazan University	2020-cuurent
• PI in a research project from Jazan University (ISP22-26)	Jan,2023-current

TEACHING EXPERIENCE

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|---|--------------|
| Virginia Commonwealth University , Richmond, VA USA | 2018-2019 |
| <ul style="list-style-type: none">• Trainer and supervisor of several undergrad and postgrad students in laboratory | |
| Jazan University , Jazan, SA | 2020-current |
| <ul style="list-style-type: none">• Developing and improving course contents• Implementing effective learning strategies• Teaching pharmacology courses | |

ADMINISTRATIVE EXPERIENCE

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|--|-------------------|
| • Head of Pharmacology and Toxicology Department | Feb, 2023-current |
| • Program Director of Master of Pharmacy in Applied Toxicology | Feb, 2023-current |
| • Member in the accreditation committee of PharmD program | 2022 |
| • Member in curriculum and study plan in PharmD program | 2020-current |
| • Head of Academic Advising Unit | 2021-2022 |

PUBLICATIONS

Journal Publications

First author:

Obeng, S.*, Jali, A.*, Zheng, Y., Wang, H., Schwienteck, K. L., Chen, C., Stevens, D. L., Akbarali, H. I., Dewey, W. L., Banks, M. L., Liu-Chen, L. Y., Selley, D. E., & Zhang, Y. (2019). Characterization of 17-Cyclopropylmethyl-3,14 β -dihydroxy-4,5 α -epoxy-6 α -(indole-7-carboxamido)morphinan (NAN) as a Novel Opioid Receptor Modulator for Opioid Use Disorder Treatment. ACS chemical neuroscience, 10(5), 2518–2532.

<https://doi.org/10.1021/acscchemneuro.9b00038>

*equal contribution

Co-author:

1) Owens, R. A., Ignatowska-Jankowska, B., Mustafa, M., Beardsley, P. M., Wiley, J. L., Jali, A., Selley, D. E., Niphakis, M. J., Cravatt, B. F., & Lichtman, A. H. (2016). Discriminative Stimulus Properties of the Endocannabinoid Catabolic Enzyme Inhibitor SA-57 in Mice. The Journal of pharmacology and experimental therapeutics, 358(2), 306–314. <https://doi.org/10.1124/jpet.115.229492>

- 2) Obeng, S., Wang, H., Jali, A., Stevens, D. L., Akbarali, H. I., Dewey, W. L., Selley, D. E., & Zhang, Y. (2019). Structure-Activity Relationship Studies of 6 α - and 6 β -Indolylacetamidonaltraxamine Derivatives as Bitopic Mu Opioid Receptor Modulators and Elaboration of the "Message-Address Concept" To Comprehend Their Functional Conversion. *ACS chemical neuroscience*, 10(3), 1075–1090.
<https://doi.org/10.1021/acscchemneuro.8b003493>)
- 3) Obeng, S., Yuan, Y., Jali, A., Selley, D. E., & Zhang, Y. (2018). In vitro and in vivo functional profile characterization of 17-cyclopropylmethyl-3,14 β -dihydroxy-4,5 α -epoxy-6 α -(isoquinoline-3-carboxamido)morphinan (NAQ) as a low efficacy mu opioid receptor modulator. *European journal of pharmacology*, 827, 32–40.
<https://doi.org/10.1016/j.ejphar.2018.03.013>
- 4) Ma, H., Obeng, S., Wang, H., Zheng, Y., Li, M., Jali, A. M., Stevens, D. L., Dewey, W. L., Selley, D. E., & Zhang, Y. (2019). Application of Bivalent Bioisostere Concept on Design and Discovery of Potent Opioid Receptor Modulators. *Journal of medicinal chemistry*, 62(24), 11399–11415. <https://doi.org/10.1021/acs.jmedchem.9b01767>
- 5) Zheng, Y., Obeng, S., Wang, H., Jali, A. M., Peddibhotla, B., Williams, D. A., Zou, C., Stevens, D. L., Dewey, W. L., Akbarali, H. I., Selley, D. E., & Zhang, Y. (2019). Design, Synthesis, and Biological Evaluation of the Third Generation 17-Cyclopropylmethyl-3,14 β -dihydroxy-4,5 α -epoxy-6 β -[(4'-pyridyl)carboxamido]morphinan (NAP) Derivatives as μ/κ Opioid Receptor Dual Selective Ligands. *Journal of medicinal chemistry*, 62(2), 561–574.
<https://doi.org/10.1021/acs.jmedchem.8b01158>
- 6) Alshahrani, S., Ashafaq, M., Hussain, S., Mohammed, M., Sultan, M., Jali, A. M., Siddiqui, R., & Islam, F. (2021). Renoprotective effects of cinnamon oil against APAP-Induced nephrotoxicity by ameliorating oxidative stress, apoptosis and inflammation in rats. *Saudi pharmaceutical journal : SPJ : the official publication of the Saudi Pharmaceutical Society*, 29(2), 194–200. <https://doi.org/10.1016/j.jsps.2021.01.002>
- 7) Selley, D. E., Banks, M. L., Diester, C. M., Jali, A. M., Legakis, L. P., Santos, E. J., & Negus, S. S. (2021). Manipulating Pharmacodynamic Efficacy with Agonist + Antagonist Mixtures: In Vitro and In Vivo Studies with Opioids and Cannabinoids. *The Journal of pharmacology and experimental therapeutics*, 376(3), 374–384.
<https://doi.org/10.1124/jpet.120.000349>
- 8) Pankaj Tripathi, Abdul Aziz Hakami, Abdulrahman Awagi, Abdullah Altamar, Abdulmajeed Mohammed Jali, Abdul Hakeem Siddiqui. 2021 In vivo antigenotoxic potential of sesame oil against cyclophosphamide induced genotoxicity and oxidative stress in mice.
<https://doi.org/10.31838/ijpr/2021.13.01.522>

- 9) Hosny, K. M., Naveen, N. R., Kurakula, M., Sindi, A. M., Sabei, F. Y., Fatease, A. A., Jali, A. M., Alharbi, W. S., Mushtaq, R. Y., Felemban, M., Tayeb, H. H., Alfayez, E., & Rizg, W. Y. (2022). Design and Development of Neomycin Sulfate Gel Loaded with Solid Lipid Nanoparticles for Buccal Mucosal Wound Healing. *Gels* (Basel, Switzerland), 8(6), 385. <https://doi.org/10.3390/gels8060385>
- 10) Alamoudi, A. J., Alessi, S. A., Rizg, W. Y., Jali, A. M., Safhi, A. Y., Sabei, F. Y., Alshehri, S., Hosny, K. M., & Abdel-Naim, A. B. (2022). Cordycepin Attenuates Testosterone-Induced Benign Prostatic Hyperplasia in Rats via Modulation of AMPK and AKT Activation. *Pharmaceutics*, 14(8), 1652. <https://doi.org/10.3390/pharmaceutics14081652>
- 11) Alshahrani, S., Ali Thubab, H. M., Ali Zaeri, A. M., Anwer, T., Ahmed, R. A., Jali, A. M., Qadri, M., Nomier, Y., Moni, S. S., & Alam, M. F. (2022). The Protective Effects of Sesamin against Cyclophosphamide-Induced Nephrotoxicity through Modulation of Oxidative Stress, Inflammatory-Cytokines and Apoptosis in Rats. *International journal of molecular sciences*, 23(19), 11615. <https://doi.org/10.3390/ijms231911615>
- 12) Syed, M. A., Hanif, S., Ain, N. U., Syed, H. K., Zahoor, A. F., Khan, I. U., Abualsunun, W. A., Jali, A. M., Qahl, S. H., Sultan, M. H., Madkhali, O. A., Ahmed, R. A., Abbas, N., Hussain, A., Qayyum, M. A., & Irfan, M. (2022). Assessment of Binary Agarose-Carbopol Buccal Gels for Mucoadhesive Drug Delivery: Ex Vivo and In Vivo Characterization. *Molecules* (Basel, Switzerland), 27(20), 7004. <https://doi.org/10.3390/molecules27207004>
- 13) Nawaz, T., Iqbal, M., Khan, B. A., Ahmed, N., Nawaz, A., Rasul, A., Rizg, W. Y., Jali, A. M., Ahmed, R. A., & Safhi, A. Y. (2022). Polycaprolactone based pharmaceutical nanoemulsion loaded with acriflavine: optimization and in vivo burn wound healing activity. *Drug delivery*, 29(1), 3233–3244. <https://doi.org/10.1080/10717544.2022.2136783>
- 14) Bakhaidar, R. B., Naveen, N. R., Basim, P., Murshid, S. S., Kurakula, M., Alamoudi, A. J., Bukhary, D. M., Jali, A. M., Majrashi, M. A., Alshehri, S., Alissa, M., & Ahmed, R. A. (2022). Response Surface Methodology (RSM) Powered Formulation Development, Optimization and Evaluation of Thiolated Based Mucoadhesive Nanocrystals for Local Delivery of Simvastatin. *Polymers*, 14(23), 5184. <https://doi.org/10.3390/polym14235184>
- 15) Alam, M. F., Hijri, S. I., Alshahrani, S., Alqahtani, S. S., Jali, A. M., Ahmed, R. A., Adawi, M. M., Algassmi, S. M., Shaheen, E. S., Moni, S. S., & Anwer, T. (2022). Zingerone Attenuates Carfilzomib-Induced Cardiotoxicity in Rats through Oxidative Stress and Inflammatory Cytokine Network. *International journal of molecular sciences*, 23(24), 15617. <https://doi.org/10.3390/ijms232415617>

- 16) Anwer, T., Alruwaili, M. N., Alshahrani, S., Alqahtani, S. S., Jali, A., Ahmed, R. A., Alam, M. F., & Moni, S. S. (2023). Hepatoprotective potential of diosmin against hepatotoxic effect of isoniazid and rifampin in wistar rats. *Human & experimental toxicology*, 42, 9603271221149199. <https://doi.org/10.1177/09603271221149199>
- 17) Hussain, S., Ashafaq, M., Alshahrani, S., Bokar, I. A. M., Siddiqui, R., Alam, M. I., Taha, M. M. E., Almoshari, Y., Alqahtani, S. S., Ahmed, R. A., Jali, A. M., & Qadri, M. (2023). Hepatoprotective Effect of Curcumin Nano-Lipid Carrier against Cypermethrin Toxicity by Countering the Oxidative, Inflammatory, and Apoptotic Changes in Wistar Rats. *Molecules (Basel, Switzerland)*, 28(2), 881. <https://doi.org/10.3390/molecules28020881>
- 18) Alam, M. F., Ajeibi, A. O., Safhi, M. H., Alabdly, A. J. A., Alshahrani, S., Rashid, H., Qadri, M., Jali, A. M., Alqahtani, S., Nomier, Y., Moni, S. S., Khalid, M., & Anwer, T. (2023). Therapeutic Potential of Capsaicin against Cyclophosphamide-Induced Liver Damage. *Journal of clinical medicine*, 12(3), 911. <https://doi.org/10.3390/jcm12030911>
- 19) Sindi, A. M., Rizg, W. Y., Khan, M. K., Alkhalidi, H. M., Alharbi, W. S., Sabei, F. Y., Alfayez, E., Alkharobi, H., Korayem, M., Majrashi, M., Alharbi, M., Alissa, M., Safhi, A. Y., Jali, A. M., & Hosny, K. M. (2023). Tailoring and optimization of a honey-based nanoemulgel loaded with an itraconazole-thyme oil nanoemulsion for oral candidiasis. *Drug delivery*, 30(1), 2173337. <https://doi.org/10.1080/10717544.2023.2173337>
- 20) Anwer, T., Alshahrani, S., Somaili, A. M. H., Khubrani, A. H., Ahmed, R. A., Jali, A. M., Alshamrani, A., Rashid, H., Nomeir, Y., Khalid, M., & Alam, M. F. (2023). Nephroprotective Effect of Diosmin against Cisplatin-Induced Kidney Damage by Modulating IL-1 β , IL-6, TNF α and Renal Oxidative Damage. *Molecules (Basel, Switzerland)*, 28(3), 1302. <https://doi.org/10.3390/molecules28031302>
- 21) Ashafaq, M., Hussain, S., Alshahrani, S., Siddiqui, R., Alam, M. I., Elhassan Taha, M. M., Almoshari, Y., Alqahtani, S. S., Jali, A. M., & Aljohani, H. M. (2023). Neuroprotective Effects of Nano-Curcumin against Cypermethrin Associated Oxidative Stress and Up-Regulation of Apoptotic and Inflammatory Gene Expression in Rat Brains. *Antioxidants (Basel, Switzerland)*, 12(3), 644. <https://doi.org/10.3390/antiox12030644>
- 22) Ahmed, R. A., Alam, M. F., Alshahrani, S., Jali, A. M., Qahl, A. M., Khalid, M., Muzafar, H. M. A., Alhamami, H. N., & Anwer, T. (2023). Capsaicin Ameliorates the Cyclophosphamide-Induced Cardiotoxicity by Inhibiting Free Radicals Generation, Inflammatory Cytokines, and Apoptotic Pathway in Rats. *Life (Basel, Switzerland)*, 13(3), 786. <https://doi.org/10.3390/life13030786>

23) Khan, G., Alam, M. F., Alshahrani, S., Almoshari, Y., Jali, A. M., Alqahtani, S., Khalid, M., Mir Najib Ullah, S. N., & Anwer, T. (2023). Trastuzumab-Mediated Cardiotoxicity and Its Preventive Intervention by Zingerone through Antioxidant and Inflammatory Pathway in Rats. *Journal of personalized medicine*, 13(5), 750.

<https://doi.org/10.3390/jpm13050750>

24) Hussain, S., Alshahrani, S., Siddiqui, R., Khan, A., Elhassan Taha, M. M., Ahmed, R. A., Jali, A. M., Qadri, M., Khairat, K. H. M., & Ashafaq, M. (2023). Cinnamon Oil Alleviates Acetaminophen-Induced Uterine Toxicity in Rats by Abrogation of Oxidative Stress, Apoptosis, and Inflammation. *Plants (Basel, Switzerland)*, 12(12), 2290.

<https://doi.org/10.3390/plants12122290>

25) Mohanan, A. T., Nithya, S., Nomier, Y., Hassan, D. A., Jali, A. M., Qadri, M., & Machanchery, S. (2023). Stroke-Induced Central Pain: Overview of the Mechanisms, Management, and Emerging Targets of Central Post-Stroke Pain. *Pharmaceuticals (Basel, Switzerland)*, 16(8), 1103. <https://doi.org/10.3390/ph16081103>

CONFERENCES AND MEETINGS

Virginia Brain Symposium	2017
• Poster presentation	
American Society for Pharmacology and Experimental Therapeutics	2018
• Poster presentation	
Saudi International Pharmaceutical Sciences Meeting and Workshops	2022
• Poster presentation	
Pharmaceutical Scientists Group Research Meeting	2022
• Session Moderator	

LANGUAGES

Arabic

English

COMPUTER SKILLS

Microsoft office

Prism-Graphpad