

Publications

- **Vohra, Aliasgar Hatimbhai**, Kapil Kumar Upadhyay, Apeksha Suhas Joshi, Hitarthi Swetang Vyas, Jaymesh Thadani, and Ranjitsinh Vijaysinh Devkar. "Melatonin-primed ADMSCs elicit an efficacious therapeutic response in improving high-fat diet induced non-alcoholic fatty liver disease in C57BL/6J mice." **Egyptian Liver Journal** 11, no. 1 (2021): 1-13.
- **Vohra, Aliasgar and Ranjitsinh Devkar**. "Circadian basis of nonalcoholic steatohepatitis: Inflammation management as a keystone in conventional and modern therapeutic strategies" **Book Chapter in "Indian Journal of Inflammation Research (IJIR)"**
- **Vohra, Aliasgar H.**, Kapil Upadhyay, Apeksha Joshi, Hitarthi Vyas, Shruti Kulshrestha, and Ranjitsinh Devkar. "Exogenous melatonin improves liver function and neurobehavioral desynchrony in experimentally induced life style disorder in c57bl/6j mice." **Gastroenterology** 160, no. 6 (2021): S-843. **(Abstract)**
- Joshi, Apeksha, Kapil K. Upadhyay, **Aliasgar Vohra**, Kavita Shirsath, and Ranjitsinh Devkar. "Melatonin induces Nrf2-HO-1 reprogramming and corrections in hepatic core clock oscillations in Non-alcoholic fatty liver disease." **The FASEB Journal** 35, no. 9 (2021): e21803.
- Shirsath, Kavita, Apeksha Joshi, **Aliasgar Vohra**, and Ranjitsinh Devkar. "HSP60 knockdown exerts differential response in endothelial cells and monocyte derived macrophages during atherogenic transformation." **Scientific reports** 11, no. 1 (2021): 1-17.
- Shirsath, Kavita, Apeksha Joshi, **Aliasgar Vohra**, and Ranjitsinh Devkar. "Chronic photoperiodic manipulation induced chronodisruption upregulates HSP60 during early pro-atherogenic remodeling in thoracic aorta of C57BL/6J mice." **The Journal of Basic and Applied Zoology** 82, no. 1 (2021): 1-10.
- Upadhyay, Kapil K., Ravirajsinh N. Jadeja, Hitarthi S. Vyas, Bhaumik Pandya, Apeksha Joshi, **Aliasgar Vohra**, Menaka C. Thounaojam, Pamela M. Martin, Manuela Bartoli, and Ranjitsinh V. Devkar. "Carbon monoxide releasing

molecule-A1 improves nonalcoholic steatohepatitis via Nrf2 activation mediated improvement in oxidative stress and mitochondrial function." **Redox Biology** (2019): 101314.

- Upadhyay, Kapil K., Ravirajsinh N. Jadeja, Jaymesh M. Thadani, Apeksha Joshi, **Aliasgar Vohra**, Vishal Mevada, Rajesh Patel, Sandeep Khurana, and Ranjitsinh V. Devkar. "Carbon monoxide releasing molecule A-1 attenuates acetaminophen-mediated hepatotoxicity and improves survival of mice by induction of Nrf2 and related genes." **Toxicology and applied pharmacology** 360 (2018): 99-108.

Collaborative publications

- Khanvilkar Priyanka, Soumya R. Dash, Devjani Banerjee, **Aliasgar Vohra**, Ranjitsinh Devkar, and Debjani Chakraborty. "Organoruthenium (II) complexes featuring pyrazole-linked thiosemicarbazone ligands: Synthesis, DNA/BSA interactions, molecular docking, and cytotoxicity studies." **Applied Organometallic Chemistry**: e6343.
- Bhatt, Jitkumar, Rosy Alphons Sequeira, **Aliasgar Vohra**, Ranjitsinh Vijaysingh Devkar, Tapan Kumar Maity, and Kamalesh Prasad. "Ionic Liquid-Mediated Preparation of Noncytotoxic Hemocompatible Stable DNA- ϵ -Poly-l-lysine Polyplexes: A New Sustainable Approach for the Bulk Production of Potential Nonviral Vectors for Gene Delivery Applications." **ACS Sustainable Chemistry & Engineering** (2020).
- Das, Manita, Pratik Nariya, Apeksha Joshi, **Aliasgar Vohra**, Ranjitsinh Devkar, Sriram Seshadri, and Sonal Thakore. "Carbon nanotube embedded cyclodextrin polymer derived injectable nanocarrier: A multiple faceted platform for stimulation of multi-drug resistance reversal." **Carbohydrate Polymers** 247 (2020): 116751.
- Khanvilkar, Priyanka, Soumya R. Dash, **Aliasgar Vohra**, Ranjitsinh Devkar, and Debjani Chakraborty. "Evaluation of biomolecular interactions and cytotoxic activity of organometallic binuclear Ru (II) complexes of ferrocenyl

thiosemicarbazones." **Journal of Biomolecular Structure and Dynamics** (2020): 1-12.

- Shaikh, Irfan, **Aliasgar Vohra**, Ranjitsinh Devkar, and Rajendrasinh Jadeja. "Synthesis, characterization, structural features and cytotoxicity of innovative zinc (II) complex derived from ONS-donor thio-Schiff base of acyl pyrazolone." **European Journal of Chemistry** 10, no. 2 (2019): 131-138.