LIST OF PUBLICATIONS

- **Wadhwa G**,Taliyan R. Mechanistic investigation of Repaglinide as a potential therapeutic agent for Metabolic Syndrome Linked Alzheimer's Disease: In vitro and In vivo Analysis. (Under revision).
- **Wadhwa G**, Krishna KV, Dubey SK, Taliyan R. Design and Biological Evaluation of Repaglinide Loaded Polymeric Nanocarriers for Diabetes Linked Neurodegenerative Disorder: QbD-Driven Optimization, In Situ, In Vitro, and In Vivo Investigation**. Int.J. Pharm**.2023 March 13.
- **Wadhwa G**, Krishna KV, Dubey SK, Taliyan R. PEGylated Polymer–Lipid Hybrid Nanoparticles to Enhance In Vivo Exposure and Uptake of Repaglinide in Brain Cells to Treat Diabetes-Linked Neurodegenerative Disorders. **ACS Applied Nano Materials**. 2023 Feb 8;6(5):3497-3512.
- **Wadhwa G**, Krishna KV, Taliyan R, Tandon N, Yadav SS, Banerjee D, et al. A novel UPLC–MS/MS method for simultaneous quantification of trigonelline, 4-hydroxy isoleucine, and diosgenin from Trigonella foenum-graecum extract: Application to pharmacokinetic study in healthy and type 2 diabetic rats. **Biomed Chromatogr**.2022 Feb 1 ;36(2):e5275.
- **Wadhwa G**, Krishna KV, Dubey SK, Taliyan R. Development and validation of RP-HPLC method for quantification of repaglinide in mPEG-PCL polymeric nanoparticles: QbD-driven optimization, force degradation study, and assessment of in vitro release mathematic modeling. **Microchem J**. 2021 Sep 1;168:106491.
- **Wadhwa G**, Krishna KV, Taliyan R, et al. Preclinical pharmacokinetics of trigonelline using ultra-performance liquid chromatography–tandem mass spectrometry and pharmacological studies targeting type 2 diabetes. **Sep Sci Plus**. 2021 Apr 1;4(4):185.
- **Wadhwa G,** Krishna KV, Taliyan R, Tandon N, et al. Preclinical pharmacokinetic and pharmacodynamic modelling study of 4-hydroxy isoleucine using validated ultra-performance liquid chromatography-tandem mass spectrometry. **RSC Adv**. 2020 Feb;10(10):5525–32.
- **Wadhwa G,** Kumar S, Mittal V, Rao R. Encapsulation of babchi essential oil into microsponges: Physicochemical properties, cytotoxic evaluation and anti-microbial activity. **J Food Drug Anal.** 2019 Jan 1;27(1):60–70.
- **Wadhwa G**, Kumar S, Chhabra L, Mahant S, Rao R. Essential oil–cyclodextrin complexes: an updated review. **J Incl Phenom Macrocycl Chem.** 2017 Aug 21;89(1):39–58.
- Gorantla S, **Wadhwa G**, Jain S, Sankar S, Kshitij Nuwal ·, Mahmood A, et al. Recent advances in nanocarriers for nutrient delivery. **Drug Deliv Transl Res**.2021;1:3.
- Pradhan R, Krishna K V., **Wadhwa G**, Taliyan R, , et al. QbD-driven development and validation of HPLC method for determination of Bisphenol A and Bis-sulphone in environmental samples. **Int J Environ Anal Chem**. 2020 Jan 2;100(1):42–54.
- Krishna KV, **Wadhwa G**, Alexander A, Kanojia N, Saha RN, Kukreti R, et al. Design and Biological Evaluation of Lipoprotein-Based Donepezil Nanocarrier for Enhanced Brain Uptake through Oral Delivery. **ACS Chem Neurosci**. 2019 Sep;10(9):4124–35.