

## LIST OF PUBLICATIONS

1. B. Haribabu, P. Rama Krishna Veni, K. Bala Murali Krishna, K. Lakshmi Prameela. RP-HPLC Estimation of Alogliptin and Pioglitazone Simultaneously in Combined Tablet Dosage Forms. *Marmara Pharmaceutical Journal*, 2017, 21 (2), 345-354.
2. K. Lakshmi Prameela, P. Rama Krishna Veni, P.V.V. Satyanarayana, B. Hari Babu. Development and validation of stability indicating reverse phase high performance liquid chromatography method with photodiode array detection for the simultaneous estimation of hypoglycemic agents, dapagliflozin and metformin. *International Journal of Pharma and Bio Sciences*, 2017, 8 (3), 328-336.
3. K. Lakshmi Prameela, P. Rama Krishna Veni, P.V.V. Satyanarayana, B. Hari Babu. RP-HPLC method for the simultaneous assay of metformin and benfotiamine: Development and validation. *International Journal of Pharmaceutical Sciences and Research*, 2018, 9 (1), 264-270.
4. K. Lakshmi Prameela, P. Rama Krishna Veni, P. V.V. Satyanarayana, B. Hari Babu. Stability indicating reverse phase high performance liquid chromatographic method with photodiode array detection for the simultaneous quantification of quinapril and hydrochlorothiazide in bulk and tablet dosage forms. *Asian Journal of Chemistry*, 2018, 30 (4), 873-878.
5. K. Lakshmi Prameela, B. Hari Babu, P.V.V. Satyanarayana, Stability indicating RP-HPLC method for analysis of pravastatin and aspirin: Application to tablet dosage form, *Journal de Africana*, (Communicated, 2018).

## DRUGS COMBINATIONS SELECTED IN THE PRESENT INVESTIGATION

1. Alogliptin/Pioglitazone
2. Metformin/Benfotiamine
3. Dapagliflozin/Metformin
4. Hydrochlorothiazide/Quinapril
5. Aspirin/Pravastatin

## COMBINATION OF SOLVENTS USED AS MOBILE PHASE IN THE PROPOSED RP-HPLC METHODS

| <b>Drug analyzed</b>          | <b>Solvent combination</b>   | <b>Ratio (v/v)</b> |
|-------------------------------|--|--------------------|
| Alogliptin/Pioglitazone       | 0.1 M ammonium acetate and methanol (pH 3.5)                               | 50:50              |
| Metformin/Benfotiamine        | 0.1M NaH <sub>2</sub> PO <sub>4</sub> and acetonitrile (pH 3.0)            | 80:20              |
| Dapagliflozin/Metformin       | 0.1 M K <sub>2</sub> HPO <sub>4</sub> , acetonitrile and methanol (pH 7.5) | 60:30:10           |
| Hydrochlorothiazide/Quinapril | 0.1 M KH <sub>2</sub> PO <sub>4</sub> and methanol (pH 4.5)                | 65:35              |
| Aspirin/Pravastatin           | 0.1M orthophosphoric acid and methanol (pH 4.5)                            | 60:40              |