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Department: PHARMACEUTICAL ANALYSIS

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Educational Qualification: M. Pharm. (Pharmaceutical Analysis)

Year of Registration: 2016

Project Supervisors: Dr. N. Krishnaveni, Professor & Head, Department of Pharmaceutical Analysis, JSS College of Pharmacy, Ooty

Title: *“Forced Degradation Studies and Genotoxic Evaluation of the Degraded Products from selected Anti Diabetic Drugs”*

Research Abstract:

Diabetes occur by the malfunction of pancreas for secretion of insulin in control of glucose levels in body, Antidiabetic drugs literature survey revealed that under the classification of type-II diabetes in categories of DPP4 inhibitors and SGLT-2 inhibitors drugs posses susceptible chemical substituents which might form as potential degradants through degradation studies shall be screened for genotoxic evaluation. The proposed work is to develop validated analytical methods that accurately and precisely measure the API's free from potential interferences like degradants, by products and intermediates for selected drug candidates and to isolate/synthesize and characterize impurities/degradation products by utilizing sophisticated analytical techniques.

Fellowships: Govt/Non-Govt _____ Nil _____

Awards & Scholarships (Top 5 of your achievements in short bullet points)

- Published article in SCOPUS indexed journal “Development And Validation Of RP-HPLC Method For Simultaneous Estimation Of Chlorpheniramine Maleate And Diethylcarbamazine Citrate In Pharmaceutical Dosage Form” *Asian J Pharm Clin Res*, 7, 98-102, ISSN: 0974-2441, **2014**.
- Achieved P.D.Sethi Annual Award 2015 certificate of merit for “Development and Validation of RP-HPLC method for simultaneous estimation of Paracetamol, Aceclofenac and Serratiopeptidase in combined tablet dosage form” *World J. Pharm. and Pharmaceu. Sci.*, 4, 1008-1023, ISSN: 2278 – 4357, **2015**.
- Published two articles

Way Forward: *In vision till 2023-24* i shall work out before 2020 to get GRADUATED and as Part-time Scholar possessing 4.5 years of exposure in QC, would like to join the Govt. Agencies/ Industrial sector QC departments after graduation. After ample field work and market exposure I would like to join Academia.