

# Synthesis and Characterization of Some New Pyrimidine Derivatives as Potent Anti-Tubercular Agents Using Computer-Aided Drug Design Approach

Bhavin Vavaiya, Dr. S H Patel, Dr. P K Patel\*

Department of chemistry, M.G Science collage, Navrangpura, Ahmedabad, Gujarat, India

## ABSTRACT:

Synthesis and characterization of different pyrimidine derivatives. The targeted compounds were screened first using computer-aided drug design approach later they will synthesize and isolate and characterized by <sup>1</sup>H-NMR and Mass spectroscopy. All synthesised compounds will be screen for their biological efficacy. We aim to achieve the desired potency of the compounds and also to ensure that the target compounds are active not only against H37Rv strain, but also against resistant Mycobacterium strains. Thus obtained lead compounds are expected to be promising lead candidates for further investigation for their pharmacokinetic and safety profiles.