**ABSTRACT**

An analysis is made to study the effects of Thermal Radiation and Inclined Magnetic field on a steady MHD mixed convective flow for an incompressible viscous fluid filled with a porous materials between the plates with chemical reaction and soret is presented. An analytical solutions of momentum, energy and species are solved by using perturbation technique. Appropriate solutions for velocity, temperature and concentration fields are obtained. Expressions for Skin friction, Nusselt number and Sherwood number are also estimated. The effects of various non-dimensional parameters Magnetic field $M$, Inclined angle $α$, Thermal Radiation $R$, Thermal Grashof number $Gr$, Mass Grashof number $Gm$, Soret number $So$, Prandtl number $Pr$, Schmidt number $Sc$ and Chemical reaction $Kr$ on Velocity, Temperature and Concentration fields are discussed through graphs