**ABSTRACT**

The Dufour effects on flow and heat transfer over a vertically oscillating porous flat plate embedded in porous medium with oscillating surface temperature is investigated in this paper. An analytic solutions of momentum, energy and concentration equations are obtained by Perturbation technique. The velocity, temperature and concentration profile is computed. The dimensionless skin friction co-efficient, Nusselt number and Sherwood number are also estimated. The transfer Gr, Grashof number for mass transfer Gm, Suction parameter S, Dufour number Du, Schmidt number Sc, Magnetic field parameter M and radiative parameter R on velocity, temperature and concentration profiles are analyzed through graphs. Keywords: Radiation, Suction, Heat Flux, Oscillating Porous Plate, Dufour Effect.