

An analysis of Hall and ion-slip current effects on the MHD free-convection flow of a partially ionised gas past an infinite vertical porous plate in a rotating frame of reference is carried out. A strong magnetic field is applied perpendicular to the plate and the plate temperature oscillates in time about a constant non-zero mean. The problem has been solved for the velocity and temperature fields and the effects of  $\beta_e$  (the Hall parameter),  $\beta_i$  (the ion-slip parameter),  $E_r$  (rotation parameter), and  $\Omega$  have been discussed and shown graphically.