















## 6. CONCLUSION

From the present numerical investigation, following conclusions have been drawn:

- (1). The skin friction coefficient decreases with magnetic parameter, chemical reaction parameter, Lewis number, Brownian motion parameter and Prandtl number.
- (2). It is noticed that Grashof number and modified Grashof number increases the velocity profiles.
- (3). Nusselt number is an increasing functions of chemical reaction parameter, Lewis number, Brownian motion parameter and Prandtl number.
- (4). It is observed that permeability of porous medium and magnetic parameter decreases the velocity.
- (5). Radiation parameter increase the temperature profiles.
- (6). In view of that Sherwood number decreases qualitatively with the increasing of in Soret number, thermophoresis parameter, Brownian motion parameter and Prandtl number.

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