

# Mathematical analysis of nonlinear thermal radiation and nanoparticle aggregation on unsteady MHD flow of micropolar nanofluid over shrinking sheet

*Elsayed Mohamed Tag Eldin ,Kamel Guedri Zafar Mahmood Bandar M. Fadhl  
Basim M. Makhdoum Sayed M. Eldin Umar Khan*

## Abstract

[https://www.cell.com/heliyon/fulltext/S2405-8440\(23\)01455-X?\\_returnURL=https%3A%2F%2Flinkinghub.elsevier.com%2Fretrieve%2Fpii%2FS240584402301455X%3Fshowall%3Dtrue](https://www.cell.com/heliyon/fulltext/S2405-8440(23)01455-X?_returnURL=https%3A%2F%2Flinkinghub.elsevier.com%2Fretrieve%2Fpii%2FS240584402301455X%3Fshowall%3Dtrue)

*Heliyon 2023, March*