

### عنوان مقاله:

Mass Transfer and Heat Generation Effects on MHD Free Convection Flow past an Inclined Vertical Surface in a Porous Medium

# محل انتشار:

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## نویسندگان:

M. G. Reddy - Department of Mathematics, Acharya Nagarjuna University Ongole Campus, Ongole - ๑ฯษ ๑๐Ӏ, India

N. B. Reddy - Department of Mathematics, Sri Venkateswara University, Tirupati - DIY Dor, India

#### خلاصه مقاله:

A steady two-dimensional MHD free convection and mass transfer flow past an inclined semi-infinite vertical surface in the presence of heat generation and a porous medium has been studied numerically. The governing partial differential equations are reduced to a system of ordinary differential equations by introducing similarity transformations. The nonlinear similarity equations are solved numerically by applying the Runge-Kutta method of fourth order with shooting technique. The numerical results are presented graphically for different values of the parameters. Finally, the numerical values of the local skin-friction coefficient, local Nusselt number and Sherwood number are shown in Table

کلمات کلیدی: Inclined vertical surface, Mass transfer, MHD, Heat generation

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