

List of Publications of Prof. H. P. Singh

1. Singh, H. P., Tandon, J. N., Das, M. K. 1984. The effect of rotation on the luminosity of magnetic stars. *Astrophysics and Space Science* 100, 219-225.
2. Singh, H. P., Das, M. K., Tandon, J. N. 1984. The effect of rotation and the magnetic field on solar luminosity. *Astrophysical Journal* 277, 862-864.
3. Singh, H. P., Das, M. K., Tandon, J. N. 1987. The structure and oscillations of low-mass stars in the presence of a magnetic field. *Astrophysics and Space Science* 132, 85-104.
4. Singh, H. P., Das, M. K., Tandon, J. N. 1987. Nonradial oscillations of low-mass stars in the presence of a magnetic field. *Astrophysics and Space Science* 134, 15-23.
5. Das, M. K., Singh, H. P., Tandon, J. N. 1989. On multimode pulsations of degenerate stellar models. *Astrophysical Journal* 346, 289-298.
6. Das, M. K., Singh, H. P., Tandon, J. N. 1990. Nonlinear pulsations in hot white dwarfs. *Confrontation Between Stellar Pulsation and Evolution* 11, 534-537.
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8. Singh, H. P. 1991. Relativistic magnetic partially degenerate isothermal gas spheres. *Astrophysics and Space Science* 184, 143-146.
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10. Singh, H. P. 1992. Nonradial oscillations of white dwarfs - Variational formulation revisited. *Astronomy and Astrophysics* 259, 155-158.
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18. Singh, H. P., Das, M. K., Patra, M. K. 1997. On Nonlinear Solar Oscillations. *ASSL Vol. 225: SCORe'96 : Solar Convection and Oscillations and their Relationship* 171-175.
19. Singh, H. P., Roxburgh, I. W., Chan, K. L. 1998. A Parametric Study of 3-D Simulation of Penetrative Convection. *Astrophysics and Space Science* 261, 53-54.
20. Chan, K. L., Cheng, K. S., Singh, H. P. 1998. 1997 Pacific Rim Conference on Stellar Astrophysics. *1997 Pacific Rim Conference on Stellar Astrophysics* 138, .
21. Singh, H. P., Gupta, R., Gulati, R. K. 1998. Stellar spectral classification based on principal component analysis and artificial neural networks. *1997 Pacific Rim Conference on Stellar Astrophysics* 138, 309.
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27. Singh, H. P., Roxburgh, I. W., Chan, K. L. 1998. A study of penetration at the bottom of a stellar convective envelope and its scaling relationships. *Astronomy and Astrophysics* 340, 178-182.
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36. Singh, H. P., Saikia, E., Roxburgh, I. W., Chan, K. L., Srivastava, M. P. 2001. Numerical Simulation of Penetrative Convection above a Stellar Convection Zone (CD-ROM Directory: contribs/singh). 11th Cambridge Workshop on Cool Stars, Stellar Systems and the Sun 223, 874.
37. Gupta, R., Singh, H. P., Bailer-Jones, C. A. L. 2002. Automated data analysis in astronomy. *Automated Data Analysis in Astronomy* .
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