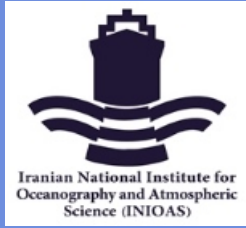


Curriculum Vitae

Dr. Parvin Ghafarian



Position: **Head of Atmospheric Science Research Center**

Assistant Professor in **Meteorology**

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Academic Background

- Ph.D in Meteorology, Science and Research Branch, Islamic Azad University, Tehran, Iran, 2011.
- M.Sc in Meteorology, Tehran_North Branch, Islamic Azad University, Tehran, Iran, 2006.
- B.Sc in Physics, Tarbiat Moallem Tehran (Kharazmi) University. Tehran, Iran, 1999.

Positions & Work Experiences & Memberships

- Faculty Member. Iranian National Institute for Oceanography and Atmospheric Science, since November 2013.
- Administrator of Educational Center of Science and Technology of Meteorology and Atmospheric Science, 2010-2012.
- Researcher in Iran Meteorological Organization. 2007-2010.

Teaching Experiences

- 2013 Use of SKEW_T Chart for Weather Forecasting.
- 2012 General Circulation.
- 2012 Numerical Weather Prediction.
- 2010-2011 Physical Meteorology.
- 2011 Synoptic Meteorology.

Research Activities

Research Interest

- Climate Modeling
- Atmospheric Modeling
- Mesoscale Meteorology
- Dust Storm

Full Papers

- **Ghafarian, P.**, Azadi, M., Meshkatee, A. H., and Farahani, M. M.: Numerical simulation of the impact of Anatolian and Caucasus Mountains on the precipitation distribution over the Black Sea, *Nat. Hazards Earth Syst. Sci.*, 12, 607-613, doi:10.5194/nhess-12-607-2012, 2012.
- Tajbakhsh, S., **Ghafarian, P.**, Sahraian, F, 2012: Instability indices and forecasting thunderstorms: the case of 30 April 2009. *Nat. Hazards Earth Syst. Sci.*, 12, 1–11, 2012 doi: 10.5194/nhess-12-1-2012.
- **Ghafarian, P.**, Meshkatee, A.M., Azadi, M., Farahani, M.M., 2012: Analysis of Meteorological parameters in case studies of precipitation due to the Black Sea. *Advances in Environmental Biology*. Vol. 6 Issue 1, p199-203.
- **Ghafarian, P.**, Zamanian, M.T., Haghroosta, T., 2011: Design of Barotropic Spectral Model for Predicting of Vorticity Field. *Research journal of environmental sciences*.5 (4):386-393.
- Tajbakhsh, S., **Ghafarian, P.**, Sahraian, F, 2011: Meteorological aircraft icing in two case studies, (Tehran-Mehrabad Airport). *The Earth and Space Physics*. Volume38, No1.205-227.
- **Ghafarian, P.**, Meshkatee, A.M., Azadi, M., Farahani, M.M., Rahimzade, F., 2011: Synoptical Survey of Extreme precipitation in North West of Iran. A case study of Extreme precipitation in Uromieh Station. *Journal of Climate Research*. Vol 1, No 3&4, Winter 2011.
- Tajbakhsh, S., **Ghafarian, P.**, Mirzaie, and E. 2009: The method of Thunderstorm occurrence prediction by two case studies. *The Earth and Space Physics*. Volume35, No4.147-166.

Projects

- Numerical Simulation of the June 2010 dust event in the Middle East and its transport toward Iran, 2012-2013.