

Curriculum Vitae

PERSONAL INFORMATION:

Full Name: Seyed Omid Nabavi

Date of Birth: 08/27/1986

Place of Birth: Iran

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EDUCATION:

- **2003 - 2008:** Bachelor in physical geography at Sabzevar Teacher Training University in Sabzevar, Iran.
- **2008 -2011:** MA in physical geography, majoring in climatology at University of Tehran, Tehran, Iran.
- **2013 –2018:** PhD student, majoring in dust storms, University of Vienna.

RESEARCH INTERESTS:

- Application of remote sensing in the study of air pollution.
- Numerical and statistical forecast of aerosols.
- Time series analyses of remotely sensed data.

WORK EXPERIENCES:

Geoinformatics research institute (GRI), University of Tehran (2010 -2015).

- 1- **Identification of Regional and transboundary dust storm sources of Western Iran.** Funded by Vice-president for science and technology of presidency of Iran- water, drought, erosion, and environment of technology development office
- 2- **Investigation of Dust Storms in West Asian Region.** Funded by UNEP/ROWA.

SKILLS:

Computer skill:

- NCL, R, GrADS
- SPSS, ARC GIS, QGIS.
- LINUX platform
- WRF-chem and HYSPLIT models.

Language skill:

- English: TOEFL PBT (587).

HONORS AND AWARDS

- Ranked as 2nd in MA entrance examination.
- Recognized as elite student by the Iranian organization of students.
- Granted by EU 7th framework program ERA-CLIM (No. 265229) and the Austrian Science Funds FWF (Project P25260-N29).

PUBLICATION:

ISI:

- ❖ [Bolorani, A. D., Nabavi, S. O., Bahrami, H. A., Mirzapour, F., Kavosi, M., Abasi, E., & Azizi, R. \(2014\). "Investigation of dust storms entering Western Iran using remotely sensed data and synoptic analysis". *Journal of Environmental Health Science and Engineering*, 12\(1\), 1.](#)
- ❖ [Nabavi, S. O., Haimberger, L., & Samimi, C. \(2016\). Climatology of dust distribution over West Asia from homogenized remote sensing data. *Aeolian Research*, 21, 93-107.](#)
- ❖ [Nabavi, S.O., Haimberger, L. and Samimi, C., 2017. Sensitivity of WRF-chem predictions to dust source function specification in West Asia. *Aeolian Research*, 24, pp.115-131.](#)
- ❖ [Nabavi, S. O., Haimberger, L., Abbasi, R., & Samimi, C. Prediction of Aerosol Optical Depth in West Asia using Numerical Weather Prediction and Machine Learning Methods. \(In progress\).](#)

Iranian journals:

- ❖ [Azizi, G. Nabavi S O. Miri M. \(2012\) Investigation of Blocking Pattern Role on Precipitation in North East of Iran Using Data Mining Analysis, \(in Persian\) *Geographical Research journal*, University of Tehran.](#)
- ❖ [Khoshakhlagh, F. Nabavi, S O; Abbasi E. \(2011\) Analysis of synoptic Systems creating heavy precipitation in cold period of year In Khorasan Razavi and Khorasan Shomali provinces \(in Persian\), *Geography and Environmental Planning*, Tabriz university.](#)
- ❖ [Azizi, G. Miri M. Nabavi S O. \(2011\) Dust trajectory in west of Iran \(in Persian\), *Arid Regions Geographic Studies*.](#)

Conferences:

- ❖ [Abbasi, E; Nabavi, S O. \(2010\) the effect of teleconnection patterns on Iran's precipitations \(in Persian\), the Second National Conference of Geography, University of Tehran \(Oral presentation\).](#)

- ❖ [Bolloorani A D, Nabavi S O, Azizi R, Bahrami H A, \(2012\). Characterization of Dust Storm Sources in Western Iran Using a Synthetic Approach, 11th International Conference on Meteorology, Climatology and Atmospheric Physics \(Oral presentation\).](#)
- ❖ [Nabavi, S. O., Haimberger, L., & Samimi, C \(2016\). Impact of improved soil climatology and initialization on WRF-chem dust simulations over West Asia. EGU General Assembly 2016, Vol. 18, EGU2016-4268 \(Poster presentation\).](#)
- ❖ [Nabavi, S. O., Haimberger, L., & Samimi, C \(2016\). The study of dust storms in West Asia using multi-source data. International conference on atmospheric dust. Castellaneta Marina, Italy \(Oral presentation\).](#)
- ❖ [Nabavi, S. O., Haimberger, L., Abbasi, R. & Samimi, C \(2017\). Prediction of Aerosol Optical Depth in West Asia: Machine Learning Methods versus Numerical Models. EGU General Assembly 2017, Vol. 19, EGU2017-3146, 2017 \(Poster presentation\).](#)

Reports:

- ❖ Bolloorani A D, **Nabavi S O**, Bahrami H A, Alavipanah S. K., Mohammadi H., Nezammahalleh M . A 2014: [Investigation of Dust Storms in West Asian Region, funded by UNEP/ROWA.](#)

Above-mentioned report is submitted through three separated volumes:

- [Primary Investigation of Dust Storm Sources in West Asia \(With an Emphasis on Storms Came to Iran\).](#)
- [Analysis of Fundamentals, Identification Criteria, and Modeling of Dust Storms \(With emphasis on West Asia Region\).](#)
- [Investigation of factors of dust storms and solutions for combating \(With emphasis on West Asia Region\).](#)