

CURRICULUM VITAE



1) Name:

First name: Madjid

Family name: ABBASI

2) Place and date of birth:

Zanjan, Iran, 28/August/1973

3) Marital status:

Married since 2001, two children.

4) Residence address:

No. 1319, 4th Eastern Bokharaei Alley, Golshahr Blvd., Zanjan, Iran

Work address:

Surveying Engineering Department, Faculty of Engineering, University Blvd., 45371-38791,
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5) Contact number:

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6) E-mail:

madjid.abbasi@znu.ac.ir (work)

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madjid.abbasi@gmail.com (personal)

7) Language ability:

Native = 1, Good = 2, Fair = 3, Poor = 4

	Writing	Reading	Speaking	Listening
Farsi	1	1	1	1
Turkish (Azari)	1	1	1	1
French	2	1	1	1
English	1	1	2	2
Arabic	4	3	4	4

8) Education:

- PhD in Geodesy, University of Paul Sabatier (Toulouse III), Bureau Gravimetrique International (BGI), Toulouse, France, July 2006

Thesis title: *Processing of the data acquired in an airborne gravimetry survey (In French)*
Supervisor: *Professor Jean-Pierre Barriot*

- Master of Science in Geodesy, K.N. Toosi University of Technology, Tehran, Iran, February 1999

Thesis title: *Comparison of Fourier, Least squares and Wavelet spectral analysis methods; tested on Persian Gulf tidal data (In English)*

- Bachelor of science in surveying engineering, Faculty of Engineering, University of Tehran, Iran, 1996

9) Current Positions:

- Full time associate professor (researcher/lecturer) in the department of Surveying Engineering, Faculty of Engineering, University of Zanjan (<http://www.znu.ac.ir>), Zanjan, Iran; since September 2000
- Part time researcher/lecturer in the Faculty of Geosciences of the Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran (<http://iasbs.ac.ir>) since January 2007
- Member of Centre for Research in Climate Change and Global Warming (CRCC), Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran (<http://iasbs.ac.ir/crcc/>) since October 2012

10) Previous Positions:

- Geodetic data processing engineer, National Cartographic Center (NCC), Tehran, Iran, June 1998-September 2000
- PhD student, Bureau Gravimetrique International (BGI), Toulouse, France, January 2003 - July 2006
- Member of Consulting Surveying Engineers “Massir & Peymayesh”, Zanjan, Iran, September 2006 up to February 2019 as scientific advisor
- Invited researcher, Groupe de Recherche en Géodésie Spatiale (GRGS), Bureau Gravimétrique International (BGI), Toulouse, France (<http://bgi.omp.obs-mip.fr/>), Summer 2007 and Summer 2008

11) Publications:

- Journal Papers

- Abbasi, M., Ghods, A., Najafi, M., Abbasy, S., Amiri, M., Shabanian, E., Kheradmandi, M., Asgari, J. (2023) Why does western Makran have a low seismicity rate?. Tectonophysics, Volume 869, 230134.
- Abbasy, S., Asgari, J., Abbasi, M. (2024) A Geometrical Approach to Multipath Localization and Mitigation for Static Undifferenced GPS Data. Journal of Surveying Engineering, 150(1), 04023020.

- Afsharnia H, H Arefi, *M Abbasi* (2022) Geometric correction of satellite stereo images by DEM matching without ground control points and map projection step: tested on Cartosat-1 images. *Earth Science Informatics*, volume 15, pages1183–1199
- Veisi M, F Sobouti, S Chevrot, *M Abbasi*, E Shabanian (2021) Upper mantle structure under the Zagros collision zone; insights from 3D teleseismic P-wave tomography. *Tectonophysics Volume 819*, 20 November 2021, 229106
- Saadati S, *M Abbasi*, S Abbasy, A Amiri-Simkooei (2019) Geodetic calibration network for total stations and GNSS receivers in sub-kilometer distances with sub-millimeter precision. *Measurement*, 141, 258–266
- Abbasy S, *Abbasi M*, Asgari J and Ghods A (2017) Precipitable water vapour estimation using the permanent single GPS station in Zanjan, Iran. *Meteorol. Appl.* 24: 415–422
- *Abbasi M* and Mashhadizadeh Maleki S (2017) Iranian surface air temperature periodicities and correlations with the North Atlantic and Indian Ocean sea surface temperature variations. *Meteorol. Appl.* 24: 268–275
- Maheri-Peyrov M, Ghods A, *Abbasi M*, Bergman E and Sobouti F (2016) ML shear wave velocity tomography for the Iranian Plateau. *Geophys. J. Int.*, 205, 179–191
- Bavali K, Motaghi K, Sobouti F, Ghods A, *Abbasi M*, Priestley K, Mortezaejad M and Rezaeian M (2016) Lithospheric structure beneath NW Iran using regional and teleseismic travel-time tomography. *Physics of the Earth and Planetary Interiors*, 253, 97–107
- *Abbasi M*, JP Barriot and J Verdun (2007). Airborne LaCoste & Romberg gravimetry: a space domain approach. *Journal of Geodesy*, Volume 81, Number 4, pp. 269-283
- Maheri-Peyrov M, Mir-Hashemi A, Ghods A and *Abbasi M* (2018) Calibration of local magnitude scale for Iran. *Bulletin of Earthquake Science and Engineering*, Vol. 5, No. 2, pp. 1-14 (In Persian)
- Akbari M, *Abbasi M* and Sharifi MA (2013) Investigating temporal and spatial Caspian Sea level changes between 1992 and 2011, using satellite altimetry data of T/P, Jason1 and Jason2. *Journal of Geomatics Science and Technology*, Vol. 3, No. 2, pp. 59-68 (In Persian)
- Kiayi S., J. Asgari and *Abbasi M.* (2012) Monitoring ionospheric behavior using models derived from observations to GNSS satellites. *Journal of Geomatics Science and Technology*, Vol. 2, No. 2, pp. 15-25 (In Persian)

- International Conference Papers

- *Abbasi M* and Mashhadizadeh-Maleki S (2015) Time series analysis of Iranian surface air temperature data recorded in synoptic stations. Iran-US Climate Change Conference, Les Treilles, France, 20-23 Oct. 2015
 - *Abbasi M* and Akbari M (2015) Frequency domain analysis of Caspian Sea level changes observed from altimetry satellites and their relation with the Volga River discharge. US-Iran Symposium on Climate Change: Impacts and Mitigation, March 30- April 1, 2015, Irvine, California, USA
 - *Abbasi M*, JP Barriot, M Sarrailh, R Bianale, S Bonvalot (2007) AIRGRAV: A new software for preprocessing of the aerogravimetric data. Proceedings of TG-SMM-2007 (Terrestrial Gravimetry: Static and mobile measurements), 20-22 August 2007, Saint Petersburg, Russia
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- International Technical reports

- *Abbasi M, JP Barriot (2006) User manual of AIRGRAV: a software, developed at BGI for processing the airborne gravimetric data acquired by the gravimeters of type LaCoste & Romberg Air/Sea model. Bureau Gravimetrique International (BGI), Toulouse, France, technical report, September 2006*
- *Abbasi M (2007) Geoid computation over Ligurian Sea using GRAVSOF program package. Bureau Gravimetrique International (BGI), Toulouse, France, technical report, August 2007*
- *Abbasi M (2008) Geoid determination with GRAVSOF package using spatial and spectral methods for terrain effect computation. Bureau Gravimetrique International (BGI), Toulouse, France, technical report, September 2008*

12) Awards and Honours

- The first rank student in the Department of Surveying Engineering, Faculty of Engineering, University of Tehran, Iran, 1996
- The first rank student in the Department of Geodesy, K.N. Toosi University of Technology, Tehran, Iran, 1999
- The first rank as the Best Lecturer of Surveying Engineering Department, K. N. Toosi University of Technology, Tehran, Iran, 2000
- The first rank as the Best Lecturer of Surveying Engineering Department, University of Zanjan, Zanjan, Iran, 2002 and 2017
- Invited researcher at the Bureau Gravimetrique International, Observatoire Midi-Pyrénées, Toulouse, France, 2007 and 2008
- Scholarship of the World Learning Institute for a workshop on Climate Change and Global Warming organized by the US Academies of Sciences, 2015
- Scholarship of "Fondation des Treilles" in France for a workshop on Climate Change and Global Warming, a joint assembly of the US, French and Iranian Academies of Sciences, 2015

13) Research experience and fields of interest

- Design, field practice and data processing of geodetic networks, especially for deformation detection
- Inverse problems in geodesy and geophysics
- Climate change scientific problems and challenges
- Map production by field surveying

14) Teaching experience and fields of interest

- Geodesy
- Surveying

- Estimation theory and inverse problems
- Time series analysis
- Climate change: Earth observation and public sensibilization

All related documents are available on demand.