

PERSONAL DATA

Name : Dr. Caglar Ozer
Place of birth : Ankara, Turkey
Nationality : Turkey
Address : Ataturk Univ., Earthquake Research
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EDUCATIONAL STATUS

Date	Status	Dept.	University	Duration
2013-2017	PhD	Seismology	Dokuz Eylul University Izmir, Turkey	4 years
2009-2012	MSc	Geophysical Eng.	Dokuz Eylul University Izmir, Turkey	3 years
2008-2010	Minor Program Certificate	Geology Eng.	Süleyman Demirel University Isparta, Turkey	2 years
2005-2009	BSc	Geophysical Eng.	Süleyman Demirel University Isparta, Turkey	4 years
2002-2005	High School	Science	Gurcesme High School Izmir, Turkey	3 years

PROFESSIONAL STATUS

2019-Present : Head, PhD
Earthquake Research Center, Ataturk University, Erzurum-Turkey

2018-2019 : Lieutenant, PhD
National Defense University, Ankara-Turkey

2017-2018 : Vice Head, PhD
Earthquake Research Center, Ataturk University, Erzurum-Turkey

2014-2017 : Research Assistant, MSc
Dept. of Geophysics, Dokuz Eylül Univ., Izmir-Turkey

2011-2014 : Research Assistant, BSc-MSc
Dept. of Geophysics, Ataturk Univ., Erzurum-Turkey

MEMBERSHIPS

- 2014-present : Earthquake Engineering Association of Turkey (TDMD)
2009-present : Chamber of Geophysical Engineers (JFMO)

AWARDS & COMMITTEE

- 2019 : Publication Incentive Award
The Scientific and Technological Research Council of Turkey (TÜBİTAK)
Determination of 3-D crustal seismic velocity structure beneath Hatay and surroundings
- 2019 : Publication Incentive Award
The Scientific and Technological Research Council of Turkey (TÜBİTAK)
Imaging the Crustal Structure Throughout the East Anatolian Fault Zone, Turkey, by Local Earthquake Tomography
- 2017 : Publication Incentive Award
The Scientific and Technological Research Council of Turkey (TÜBİTAK)
Local earthquake tomography of Izmir geothermal area, Aegean region of Turkey
- 2015 : Local Organising Committee Member
3rd Earthquake Engineering and Seismology Conference (3TDMSK) which hold in Izmir-Turkey between 14-16 October 2015
- 2015 : Local Organising Committee Member
Young Geoscientists Congress (GYK 2015), which will be held in Izmir-Turkey between 5-7 June 2015

TRAINING COURSE

- 2014 : Young Seismologists and Engineers Training Course

Young Seismologists and Engineers Training Course which was held in the frame of the Second European Conference on Earthquake Engineering and Seismology (2ECEES)

COMPUTER SKILL & SOFTWARES

- Linux OS
- Windows OS
- SEISAN
- SAC (Seismic Analysis Code)
- GMT (Generic Mapping Tools)
- Matlab
- Zmap
- Coulomb
- CRISIS
- Ms Office
- Grapher
- Surfer
- Geopsy
- Potensoft
- SPSS
- GIS (Idrisi)
- LOTOS

PROJECT

2019-2020: Project coordinator

Repair of defective stations in ATA-NET earthquake network, supported by Atatürk University-Scientific Research Project (BAP), 03.2019-03.2020, Budget: 75.402,00 TL.

2016-2019: Researcher

Investigation of crustal structure using local earthquake tomography in seismically active regions, supported by Dokuz Eylul University-Scientific Research Project (BAP), 07.2016-01.2019, Budget: 31.600,00 TL.

2014-2016: Researcher

Shakemap implementation in Turkey, supported by Disaster and Emergency Management Authority (AFAD) - National Earthquake Research Program, 12.2014-10.2016, Budget: 136.000,00 TL.

ARTICLE / BOOK

20???: Bayrak, E. and **Ozer, C.** The 24 January 2020 (Mw 6.8) Sivrice (Elazig Turkey) earthquake: A Look at Spatiotemporal Distribution and Triggering of Aftershocks, *under preparation*, (**SCI**)

20???: **Ozer, C.** Investigation of the 4-D tomographic change of Vp and Vp/Vs structure before devastating earthquakes with local earthquake tomography: Case Study of Sivrice-Elazig earthquake (Mw 6.8), Eastern Turkey, *under preparation*, (**SCI**)

20???: **Ozer, C.** 4-D imaging of P- wave velocity and Vp/Vs ratio structure beneath Lake Van (Eastern Turkey) by Local Earthquake Tomography, *under review*, (**SCI**)

20???: Akbayram, K., Kiransan, K., **Ozer, C.**, Varolgunes, S. The surface deformation of the 2020 Doğanyol-Sivrice earthquake (Mw6.8) and the earlier events suggest Mw<7.0 earthquakes do not create significant surface slip along the East Anatolian Fault Zone, *under review*, (**SCI**)

20???: Cakici, H., Kocadagistan, E., **Ozer, C.**, and Zaimoglu, S. Investigation of the Effects of Water Content and Relative Density on Soil Dominant Frequency in Separate Grained Soils by Microtremor Method, *under review*, (**SCI-Exp.**)

20???: Ozyazicioglu, M., **Ozer, C.**, Yesilyaprak, C., Kartal, R. and Kilic, T. Probabilistic Seismic Hazard Evaluation of Eastern Anatolia Observatory, *under review*, (**SCI-Exp.**)

20???: Aydin, U. and **Ozer, C.**, Determination of soil amplification using Earthquake Records for strong-motion station locations: Case Study from the Middle Black Sea, Turkey, *under review*, (**SCI-Exp.**)

20???: **Ozer, C.**, Perk, S., Ozyazicioglu, M. Spatial Variation of Coda Wave Attenuation: The case of Eastern Anatolia, Turkey, *under review*, (**SCI-Exp.**)

20??: Aydin, U., Pamuk, E. and **Ozer, C.**, Investigation of Soil Properties of Marmara Region using Earthquake and Seismic Noise Data, *under review*, (**SCI**)

2020: Bayrak, E., **Ozer, C.** and Perk, S. The Ground-Motion Attenuation Comparison: A case study for the 2017/05/11 Askale earthquake (Mw4.7). Brilliant Engineering, 3, 22-26.

2020: Bayrak, E., **Ozer, C.** and Perk, S. Stress Tensor and Coulomb Analysis for Erzurum and Its Surroundings. Turkish Journal of Earthquake Research, 2 (1), 101-114, (*in Turkish*).

2020: **Ozer, C.** and Bayrak E. Coulomb Stress Changes after 11 May 2017 Askale-Erzurum (NE Turkey) Earthquake (Mw = 4.7). International Journal of Earth Sciences Knowledge and Applications, 2 (1), 13-18.

2020: Pamuk, E and **Ozer, C.**, The Site Effect Investigation with using Horizontal-to-Vertical Spectral Ratio Method on Earthquake Data, South of Turkey. Geotectonics, 54, 563-576 (**SCI-Exp.**).

2020: Pamuk, E and **Ozer, C.**, Determining S-wave velocity structure using Rayleigh wave ellipticity: The case study of Erzurum. Bulletin for Earth Sciences, 41 (2), 147-168, (*in Turkish*).

2020: Gok, E., **Ozer, C.**, Erdem, M., Coulomb Stress Analysis of Kocaeli and Surroundings. Journal of Engineering Sciences and Design (JESD), 8 (1), 1-11, (*in Turkish*).

2020: **Ozer, C.** Investigation of Soil Amplification in North Cyprus, Journal of the Earth and Space Physics, 45 (4), 53-61, (**ESCI-Exp.**)

2020: Mulumulu, E., **Ozer, C.**, Gok, E., Garcia, C., Polat, O. 3-D Upper Crustal Velocity Structure of the Inner Gulf of Izmir from Ambient Noise Tomography, Journal of the Faculty of Engineering and Architecture of Gazi University, 35 (1), 255-274, (*in Turkish*) (**SCI-Exp.**)

2019: Perk, S. and **Ozer, C.**, Investigation of Soil Properties based on Accelerometer Stations using Earthquake Recording: The Case Study of Hatay, Turkey. Turkish Journal of Earthquake Research, 1 (2), 167-179 (*in Turkish*).

2019: **Ozer, C.**, Kocadagistan, M.E., Perk, S. Earthquake Monitoring Network of Erzurum: ATANET. International Journal of Scientific and Technological Research, 5 (8), 35-47, (*in Turkish*).

2019: **Ozer, C.** and Ozyazicioglu, M. The Local Earthquake Tomography of Erzurum (Turkey) Geothermal Area, Earth Sciences Research Journal, 23 (3), 209-223 (**SCI-Exp.**)

2019: **Ozer, C.** Determination of 3-D crustal seismic velocity structure beneath Hatay and surroundings, Journal of the Faculty of Engineering and Architecture of Gazi University, 34 (4), 2215-2227, (*in Turkish*) (**SCI-Exp.**)

2019: **Ozer, C.** Investigation of Soil Amplification in Lake Van Basin, Research Reviews in Engineering (Book Chapter), 63-75, ISBN: 978-605-7631-38-1.

2019: Ozer, C. Investigation of the Local Soil Effects of Erzurum and Its Surroundings Using SSR and HVSR Methods, DEU Journal of the Faculty of Engineering Journal of Science and Engineering, 21 (61), 247-257, (*in Turkish*).

2019: Ozer, C., Ozyazicioglu, M., Gok, E., Polat, O., Imaging the Crustal Structure Throughout the East Anatolian Fault Zone, Turkey, by Local Earthquake Tomography, Pure and Applied Geophysics, 176 (6), 2235-2261, (**SCI**)

2018: Ozer, C., Gok, E., Polat, O., Three-Dimensional Seismic Velocity Structure of the Aegean Region of Turkey from Local Earthquake Tomography, Annals of Geophysics, 61 (1), 1-21, (**SCI-Exp.**)

2017: Ozer, C., Polat, O., Local earthquake tomography of Izmir geothermal area, Aegean region of Turkey, Bollettino di Geofisica Teorica ed Applicata, 58 (1), 17-42, (**SCI-Exp.**)

2017: Ozer, C., Polat, O., 3-D crustal velocity structure of Izmir and surroundings, Journal of the Faculty of Engineering and Architecture of Gazi University, 32 (3), 733-747, (**SCI-Exp.**) (*in Turkish*).

2017: Ozer, C., Polat, O., Investigation of 1-D (One-Dimensional) Seismic Velocity Structure of Izmir and Surroundings, DEU Journal of Science and Engineering, 19 (55), 147-168, (*in Turkish*).

2017: Ozer, C., Ozyalin, S., Ozel, O., Polat, O. Determination of soil characteristic using SPAC method in Karsiyaka-Izmir, Turkey, IOSR Journal of Applied Geology and Geophysics, 5 (2), 53-59.

2017: Ozer, C. Analysis of Soil Transfer Function in Izmir Metropolitan Area, Turkey, IOSR Journal of Applied Geology and Geophysics, 5 (1), 63-70.

2015: Rangelov, B., Polat, O., Gok, E., Ozer, C. Bulgarian and Turkish Complex Geological and Geophysical Research in Antarctica: Summary and New Results, Environment and Ecology at the Beginning of 21st Century (Book Chapter), ST. Kliment Ohridski University Press, Sofia, Bulgaria, 277-301, ISBN 978-954-07-3999-1.

SYMPOSIUM / CONGRESS

2020: Ozer, C., and Bayrak, E. Investigation of the effects of measurements applied on different conditions on the same point in microtremor method on soil amplification and soil dominant frequency. International Conference on Geosciences and Earthquake Engineering-Challenges for Balkan Region (ICGEE-2020), 26-28 November 2020, Tirana, Albania, **oral presentation with abstract.** (*Not presented yet*)

2019: Cakici, H., Ozer, C., Kocadagistan, E., Zaimoglu, A.S. Determination of soil amplification of sand soils using microtremor method with added waste rubber parts. 2nd International Turkish World Engineering and Science Congress, November 7-10, 2019, Antalya, Turkey, **oral presentation with abstract.**

2019: Ozer, C. and Pamuk, E. Comparison of soil amplifications obtained with different seismic sensor types. 2. International Erciyes Scientific Research Congress, 27-29 September 2019, Kayseri, Turkey, **oral presentation with abstract.**

2019: Ozer, C. A new attenuation relationship in Erzurum: preliminary results. 2. International Erciyes Scientific Research Congress, 27-29 September 2019, Kayseri, Turkey, **oral presentation with abstract.**

2019: Pamuk, E. and Ozer, C. Seismic risk assessment in Van city and its surroundings, Eastern, Turkey. 5th European conference on Science, Art & Culture, 28-29 September 2019 Ankara/Turkey, **oral presentation with abstract.**

2019: Ozer, C. Investigation of one-dimensional seismic velocity structure of Erzurum: preliminary results. 3rd Battalgazi International Multi-Disciplinary Studies Congress, 19-22 September 2019, Malatya, Turkey, **oral presentation with abstract.**

2019: Ozer, C. and Pamuk, E. Regional and Temporal Analyses of the Seismic Activity: A Case Study in Erzurum, Turkey. 3rd Battalgazi International Multi-Disciplinary Studies Congress, 19-22 September 2019, Malatya, Turkey, **oral presentation with abstract.**

2019: Ozer, C. Investigation of Soil Properties by using Microtremor Method: A Case Study from Erzurum, The 5th International Conference on Natural and Engineering Sciences, 27-30 August 2019, Istanbul, Turkey, **oral presentation with abstract.**

2017: Ceken, U., Tepeugur, E. Kuru, T., Gok, E., Ozer, C. and Polat, O. Rapid estimation of ground-shaking maps for seismic emergency management in Turkey. IAG-IASPEI 2017, 30 July-04 August, 2017, Kobe-Japan, **oral presentation with abstract.**

2017: Ozer, C., Ozyazicioglu, M., Gok, E., Polat, O. Crustal Structure of Golbasi-Celikhan Segment, Eastern Anatolia, Turkey. International Symposium on GIS Applications in Geography & Geosciences, 18-21 October, 2017, Canakkale-Turkey, **oral presentation with full paper.**

2017: Ozer, C., Gok, E., Polat, O. Crustal Structure and Geothermal Exploration in Western Anatolia of Turkey using Local Earthquake Tomography. International Symposium on GIS Applications in Geography & Geosciences, 18-21 October, 2017, Canakkale-Turkey, **poster presentation with full paper.**

2017: Ozyalin, S., Ozer, C., Polat, O. Determination of Earthquake Parameters by Artificial Bee Colon Algorithm: Preliminary Results. 4rd International Conference on Earthquake Engineering and Seismology (4ICEES), 11-13 October, 2017, Eskisehir-Turkey, **oral presentation with full paper.**

2017: Ozer, C., Gok, E., Polat, O. Crustal Velocity Structure of Graben Systems in Aegean Region. 4rd International Conference on Earthquake Engineering and Seismology (4ICEES), 11-13 October, 2017, Eskisehir-Turkey, **poster presentation with full paper.**

2017: Ozer, C., Ozyazicioglu, M., Gok, E., Polat, O. Local Earthquake Tomography in Turkoglu-Antakya Segment, Eastern Anatolia, Turkey. 4rd International Conference on

Earthquake Engineering and Seismology (4ICEES), 11-13 October, 2017, Eskisehir-Turkey, **poster presentation with full paper**.

2016: Ozer, C., Gok, E., Polat, O., Passive Seismic Tomography Technique in Global Energy Exploration: Case Study for Geothermal Energy, 10-14 October 2016, Ganja, Azerbaijan, **oral presentation with abstract**.

2016: Kuru, T., Ceken, U., Tepeugur, E., Apak, A., Kokbudak, D., Sezer, S., Ates, E., Tekin, K., Koksall, T.S., Sahin, C., Gok, E., Ozer, C., Ertugrul, Z.C., Worden, C.B., Wald, D.J., Sidorov-Biryukov, D., Razinkov, O. and Polat, O., ShakeMap Implementation in Turkey, 35th European Seismology Commission (ESC-2016), 4-9 September 2016, Trieste-Italy, **oral presentation with abstract**.

2016: Ozer, C., Gok, E. and Polat, O., 3-D crustal structure from local earthquake array in Hatay-Maras area, East of Mediterranean region of Turkey, 35th European Seismology Commission (ESC-2016), 4-9 September 2016, Trieste-Italy, **poster presentation with abstract**.

2016: Ozer, C., Polat, O., Investigation of Soil Transfer Function using SSR Method in Western Anatolia, Turkey, 7th International Geosciences Student Conference, 11-14 July 2016, Katowice, Poland, **poster presentation with full paper**.

2016: Ozer, C., Polat, O., Gok, E., Investigation of Site Effect using HVSr Method in Western Anatolia, Turkey, 7th International Geosciences Student Conference, 11-14 July 2016, Katowice, Poland, **poster presentation with full paper**.

2016: Ozer, C., Polat, O., Seismic Underground Characteristics beneath Izmir Geothermal Area, Workshop on Earthquakes in North Iceland, 31 May- 3 June 2016, Husavik, Iceland, **oral presentation with extended abstract**.

2016: Tepeugur, E., Ceken, U., Kuru, T., Ates, E., Kokbudak, D., Koksall, T.S., Gok, E., Ozer, C., Ertugrul, Z.C., Polat, O., Shake Mapping In Turkey, Workshop on Earthquakes in North Iceland, 31 May- 3 June 2016, Husavik, Iceland, **poster presentation with extended abstract**.

2016: Pamuk, E., Ozer, C., Earthquake risk assessment in central North Anatolian Fault Zone, Turkey, International conference on engineering and natural science, 24-28 May, 2016, Sarajevo, Bosna, **poster presentation with full paper**.

2016: Polat, O., Ozer, C., Investigation of 1-D Crustal velocity structure beneath Izmir gulf and surroundings by using local earthquakes, International Conference on Advances in Natural and Applied Sciences, 21-23 April, 2016, Antalya- Turkey, **oral presentation with full paper**.

2016: Ozer, C., Polat, O., A Glance at Velocity Structure of Izmir, International Conference on Advances in Natural and Applied Sciences, 21-23 April, 2016, Antalya- Turkey, **oral presentation with full paper**.

2015: Ozer, C., Kaypak, B., Gok, E., Ceken, U., Polat, O., Determination of upper-crustal structure of Izmir and near surroundings, 3rd International Conference on Earthquake Engineering and Seismology (3ICEES), 14-16 October, 2015, Izmir, Turkey (in Turkish), **oral presentation with abstract**.

2015: Ozer, C., Gok, E., Ceken, U., Kaypak, B., Polat, O., Velocity Structure of Izmir, Aegean Region of Turkey: Preliminary Results from Local Earthquake Tomography, Multidisciplinary Earth Sciences Symposium 7-11 September 2015, Prague- Czech Republic, poster presentation with abstract.

2015: Ozer, C., Polat, O., Gok, E., Cloumb Stress Change Case Study: 24 May 2014 Aegean Sea Earthquake (M = 6.5), GYK 2015-Young Geoscientists Congress, 5-7 June 2015, İzmir-Turkey (in Turkish), poster presentation with abstract.

2015: Ozer, C., Gok, E., Polat, O., Ceken, U., The Fault Plane Solutions and Stress Tensor Studies: Case Study of Izmir, GYK 2015-Young Geoscientists Congress, 5-7 June 2015, İzmir-Turkey (in Turkish) poster presentation with abstract.

2015: Ozer, C., Kaypak, B., Gok, E., Ceken, U., Polat, O., Determination of 3D Velocity Structure beneath Izmir And surroundings by Local Earthquake Tomography (LET) Method: Preliminary Results, GYK 2015-Young Geoscientists Congress, 5-7 June 2015, İzmir-Turkey (in Turkish), oral presentation with abstract.

2015: Ozer, C., Gok, E., Polat, O., Investigation of Acceleration-Velocity-Displacement Spectrum with IzmirNET Data: Example of 24 May 2014 Aegean Sea Earthquake (M = 6.5), GYK 2015-Young Geoscientists Congress, 5-7 June 2015, İzmir-Turkey (in Turkish), poster presentation with abstract.

2015: Ozer, C., Gok, E., Polat, O., Ceken, U., Determination of Soil Transfer Function from SSR and HVSR Method in Izmir and surroundings, GYK 2015-Young Geoscientists Congress, 5-7 June 2015, İzmir-Turkey (in Turkish), poster presentation with abstract.

2014: Polat, O., Kilic, T., Turkoglu, M., Kaplan, M., Kilicarslan, O., Ozer, C. and Gok, E., Aftershock Activity Triggered by the 2014 Earthquake (Mw=6.5), and Its Implications for the Future Seismic Risk in Marmara Sea, Turkey, *AGU Fall Meeting*, 15-19 December 2014, San Francisco-USA, poster presentation with abstract.

2014: Ozer, C., Gok, E., Ceken, U. and Polat, O., Investigation of Local Site Effects from SSR and HVSR Techniques in Izmir-Turkey, *GEORISK 2014 (Improving Geophysical Risk Assessment, Forecasting and Management)*, 18-21 November 2014, Madrid-Spain, poster presentation with abstract.

2014: Polat, O., Gok, E. and Ozer, C., Comparison of Peak Ground Acceleration and Velocity in Different Attenuation Relationships, Second European Conference on Earthquake Engineering and Seismology (2ECEES), 25/08/2014-29/08/2014, Istanbul-Turkey, poster presentation with full paper.

2014: Gok, E., Ozer, C., and Polat, O., Spectral Studies of Earthquakes in Izmir, Second European Conference on Earthquake Engineering and Seismology (2ECEES), 25/08/2014-29/08/2014, Istanbul-Turkey, poster presentation with full paper.

2013: Aydin, U. and Ozer, C. Quality factor and attenuation analysis, Southeast part of Erzincan, 2nd International Conference on Earthquake Engineering and Seismology, 25-27 September 2013, Hatay-Turkey (in Turkish), oral presentation with full paper.

2013: Caglar, K., Kalkan, E., Raisosadat, S.N., **Ozer, C.** and Bilici O., Planktonic foraminifera and ammonite contents for the upper Valanginiyen-Aptian (Lower Cretaceous) of Eastern Anatolian, Erzurum, Turkey, 3rd Int. Conf. on the Palaeontology of South-East Asia (ICPSEA3), 30 September-13 October 2013, Malaysia, **poster presentation with abstract.**

2011: Drahor, M.G., Berge, M., Ozturk, C., Dondurur, D., Ongar, A. and **Ozer, C.**, Integrated Geophysical Studies for Active Tectonic Purposes in Urla Icmeler region, 15th Workshop of Active Tectonic Research Group (ATAG15), 19-22 October 2011, Adana-Turkey (*in Turkish*), **oral presentation with abstract.**

THESIS

2012, MSc: Investigation of Active Tectonic Zones by Self Potential (SP) and Electromagnetic-VLF, (in Turkish).

2017, PhD: Investigation of Crustal Structure Using Local Earthquake Tomography in Aegean Region of Turkey.