

PERSONAL DATA

Name : Dr. Caglar Ozer
Date of birth : 25 November 1988
Place of birth : Ankara, Turkey
Nationality : Turkey
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EDUCATIONAL STATUS

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

PROFESSIONAL STATUS

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

2017-2019 : Researcher, PhD
Earthquake Research Center, Erzurum-Turkey

2014-2017 : Research Assistant
Division of Seismology, Dept. Geophysics, Dokuz Eylul Univ., Izmir-Turkey

2011-2014 : Research Assistant
Division of Seismology, Dept. Geophysics, Ataturk Univ., Erzurum-Turkey

MEMBERSHIPS

2015-present : Earthquake Engineering Research Institute
2014-present : Seismological Society of America (SSA)
2014-present : American Geophysical Union (AGU)

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

AWARDS & SCHOLARSHIPS

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

SOFTWARES

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

ARTICLE / BOOK

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

2019: 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, *Accepted*, (**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, *Accepted*, (**SCI-Exp.**)

2019: Ozer, C. Investigation of Soil Amplification in North Cyprus, Journal of the Earth and Space Physics, *Accepted*, (**ESCI-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, :10.21205/deufmd.2019216124 - (*in Turkish*).

2018: 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, 1-27, <https://doi.org/10.1007/s00024-018-2076-6> -(**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), <https://doi.org/10.4401/ag-7543>-(**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) (**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) (**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), (*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).

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

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

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.

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.

2017: Ozer, C. Gok, E., Polat. 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.

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.

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.

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.

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.

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.

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.

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.

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.

2016: Ozer, C., Polat, O., 3-D Tomographic Modelling Beneath Izmir Geothermal Area, International Geothermal Congress, 06 -07 June 2016, Izmir, Turkey.

2016: Ozer, C., Polat, O., Determination of seismic crustal structure using local earthquake tomography at western Anatolia: Primarily results, Workshop on Earthquakes in North Iceland, 31 May- 3 June 2016, Husavik, Iceland.

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 .

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.

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.

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.

2016: Ozer, C., Polat, O., 1-D crustal velocity structure from earthquakes, International Symposium on Natural Hazards and Hazard Management 2016, 02-04 March 2016, Karabuk-Turkey (in Turkish).

2015: Ozer, C., Investigation of 3D Velocity Structure Case Study from Izmir, Aegean Region of Turkey. International Multidisciplinary Forum of Young Scientists and Specialists, 2-4 November, Baku-Azerbaijan.

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).

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.

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).

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).

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).

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).

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).

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

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.

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

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

2013: Kazmaci, I.G., **Ozer, C.**, Van ve Çevresinin Sismik Tehlike Analizi, 17. Aktif Tektonik Araştırma Grubu Çalıştayı, 24-26 Ekim 2013, Akdeniz Üniversitesi, Antalya (*in Turkish*).

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.

2013: Bilgin, O., Sakcali, A. and **Ozer, C.**, Geophysical Methods Used in Mines Exploration, 23th Int. Mining Congress and Exhibition of Turkey, 16-19 April 2013, Antalya- Turkey (*in Turkish*).

2011: Drahor, M., Berge, M., Ozturk, C., Dondurur, D., Ongar, A. and **Ozer, C.**, Investigation of Active Tectonics Onboard Geophysical Studies in Urla Icmeler, 15th Workshop of Active Tectonic Research Group (ATAG15), 19-22 October 2011, Adana-Turkey (*in Turkish*).

THESIS

2012, MSc: Investigation of active tectonic zones by self potential (SP) and electromagnetic-VLF

2017, PhD: Investigation of crustal structure using local earthquake tomography in Aegean region of Turkey.