ONUR TOYGAR

PERSONAL INFORMATION

Country	Republic of Turkey
Date of Birth	07 December 1990
Marital Status	Married
E-Mail	onur.toygar@hotmail.com onurtoygar@mu.edu.tr
Web Page	akademik.mu.edu.tr/onurtoygar/en
GSM	+90 532 718 3926
Address	Muğla Sıtkı Koçman University, Kötekli Campus, Faculty of Engineering, Department of Civil Engineering, 48000, Menteşe, Muğla/TURKEY.

EDUCATION

2016 –	**Ph.D.**, Muğla Sıtkı Koçman University Graduate School of Natural and Applied Sciences / Department of Civil Engineering **Thesis:** Vibration Isolation Performance of Coupled Wave Barriers **Advisor:** Assoc.Prof.Dr. Deniz ÜLGEN
2012 – 2016	**M.Sc.**, Muğla Sıtkı Koçman University Graduate School of Natural and Applied Sciences / Department. of Civil Engineering **Thesis:** Investigation of Vibration Isolation Performance of Trench Type Wave Barriers by Field Tests **Advisor:** Assoc.Prof.Dr. Deniz ÜLGEN
2007 – 2012	**B.S.**, Muğla Sıtkı Koçman University Faculty of Engineering / Department of Civil Engineering

ACADEMIC EXPERIENCE

2013 –	Research Assistant Muğla Sıtkı Koçman University, Department of Civil Engineering

PROFESSIONAL MEMBERSHIP

- Turkish Society of ISSMGE (ZMGM)
- Chamber of Civil Engineers (Turkey)

PUBLICATIONS

Thesis

- **Toygar, O.,** (2015). "Investigation of Vibration Isolation Performance of Trench Type Wave Barriers by Field Tests", M.Sc. Thesis, Muğla Sıtkı Koçman University, December 2015, p.95.

Journal Papers

- Ülgen, D., **Toygar, O.**, (2015). "Screening Effectiveness of Open and in-Filled Wave Barriers: A Full-Scale Experimental Study", Construction and Building Materials, 86:12-20, DOI: 10.1016/j.conbuildmat.2015.03.098. (*Times Cited: 26*)

Conference Proceedings

- Hassoun, M. M., Ülgen, D., **Toygar, O**., Durmaz, S., (2019) "Numerical Study on Reducing the Ground Borne Vibrations Using Open Trench and Rubber-Chips Filled Trench Wave Barriers", 1st Mediterranean Young Geotechnical Engineers Conference, 23-34 September, Muğla, Turkey, pp:105-108.
- Ülgen, D., **Toygar, O.**, (2018). "Guidelines for Preliminary Design of Wave Barriers", 2nd International Conference on Engineering Technology and Innovation, 7-11 March, Budapest, Hungary. (*Abstract only*)
- Ülgen, D., **Toygar, O.**, Durmaz, S., Tutar, A., (2017). "İçi Boş Hendeklerin Titreşim Yalıtım Performansının Sonlu Elemanlar Yöntemi ile İncelenmesi", 7. Geoteknik Sempozyumu, 22-24 November, Istanbul, Turkey, pp.741-752 (in Turkish).
- Durmaz, S., Ülgen, D., Hassoun, M. M., **Toygar, O.**, Birgül, R., (2017). "Vibration Isolation Performance of Concrete Filled Trench Type Wave Barriers", 3rd International Soil-Structure Interaction Symposium, 18-20 October, Izmir, Turkey, pp.589-598.
- **Toygar, O.**, Ülgen, D., (2016). "Investigation of the Vibration Isolation Performance of EPS Geofoam Wave Barriers by Field Tests", 4th International Conference on New Developments in Soil Mechanics and Geotechnical Engineering, 2-4 June, Nicosia, North Cyprus, pp.407-414.
- **Toygar, O.**, Ülgen, D., (2015). "Hendek Tipi Dalga Bariyerlerinin Titreşim Yalıtımına Etkisinin Saha Deneyleri ile İncelenmesi", 6. Geoteknik Sempozyumu, 26-27 November, Adana, Turkey, pp.1175-1182 (in Turkish).
- Ülgen, D., **Toygar, O.**, (2014). "Investigation on Vibration Isolation Performance of Open Trench Barriers Under Impact Loading", International Civil Engineering Architecture Symposium for Academicians, 17-20 May, Antalya, Turkey, pp.73-80.

RESEARCH INTERESTS

Keywords: Geotechnical Engineering, Geotechnical Earthquake Engineering, Soil Mechanics, Soil Dynamics, Vibration Isolation.

RESEARCH PROJECTS

2019 –	"Isolation of Environmental Ground Vibrations by Sheet Pile and Waste Rubber Chips: Field Experiments and Numerical Modeling" **Scholarship Student,** TÜBİTAK (The Scientific and Technological Research Council of Turkey) 1001 Program - Scientific and Technological Research Projects Funding Program (Project No: 119M613)
2017 – 2019	"Utilization of Rubber Chips Obtained by Recycling of Waste Tyre Chips on Vibration Isolation" **Researcher,** Muğla Sıtkı Koçman University, Scientific Research Projects Coordination Unit (Project No: 17/263)
2017 – 2018	"Investigation of Vibration Isolation Performance of Open Trench Wave Barriers by Finite Element Method" **Researcher,** Muğla Sıtkı Koçman University, Scientific Research Projects Coordination Unit (Project No: 17/080)
2017 – 2018	"Preliminary Design of EPS Wave Barriers: Numerical Modelling" **Researcher,** Muğla Sıtkı Koçman University, Scientific Research Projects Coordination Unit (Project No: 17/014)
2013 – 2015	"Investigation of Vibration Isolation Performance of Trench Type Wave Barriers by Field Tests" **Researcher,** Muğla Sıtkı Koçman University, Scientific Research Projects Coordination Unit (Project No: 13/05)

CERTIFICATES AND TRAININGS

- Research Project Preparation Training, Muğla Sıtkı Koçman University, MÜPKOM (Research, Application and Project Coordination Center of Muğla Sıtkı Koçman University), 21-23 January 2019, Muğla, Turkey.

LANGUAGE

- Turkish (Native language)
- English (Reading: Excellent, Writing: Excellent, Speaking: Excellent)

REFERENCES

- Assoc.Prof.Dr. Deniz ÜLGEN
  Muğla Sıtkı Koçman University, Faculty of Engineering, Department of Civil Engineering
  denizulgen@gmail.com
- Assist.Prof.Dr. M. Rifat KAHYAOĞLU
  Muğla Sıtkı Koçman University, Faculty of Engineering, Department of Civil Engineering
  rkahyaoglu2013@yandex.com
- Assist.Prof.Dr. Altuğ SAYGILI
  Muğla Sıtkı Koçman University, Faculty of Engineering, Department of Civil Engineering
  denizulgen@gmail.com