

# **Prof. Recep İyisan**

## **Personal Information**

**Email:** iyisan@itu.edu.tr

### **International Researcher IDs**

ORCID: 0000-0002-0887-9983

ScopusID: 6508103767

Yoksis Researcher ID: 153140

## **Education Information**

Doctorate, İstanbul Technical University, Fen Bilimleri Enstitüsü, İnşaat Müh. Anabilimdalı - Geoteknik Mühendisliği, Turkey 1987 - 1994

Postgraduate, İstanbul Technical University, Fen Bilimleri Enstitüsü, İnşaat Müh. Anabilimdalı - Geoteknik Mühendisliği, Turkey 1985 - 1987

Undergraduate, İstanbul Technical University, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 1980 - 1984

## **Foreign Languages**

English, B2 Upper Intermediate

## **Dissertations**

Doctorate, Geoteknik Özelliklerin Belirlenmesinde Sismik ve Penetrasyon Deney Sonuçlarının Karşılaştırılması, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Geoteknik Müheendisliği, 1994

Postgraduate, Konsolidasyon Yöntemlerinin Kayma Mukavemetine Etkisi, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Geoteknik Müheendisliği, 1987

## **Research Areas**

Civil Engineering, Geotechnical, Foundation Engineering, Soil Mechanics, Soil Dynamics, Engineering and Technology

## **Academic Titles / Tasks**

Professor, İstanbul Technical University, İnşaat, İnşaat Mühendisliği, 2014 - Continues

Associate Professor, İstanbul Technical University, İnşaat, İnşaat Mühendisliği, 2002 - 2014

Research Assistant, İstanbul Technical University, İnşaat, İnşaat Mühendisliği, 1985 - 2002

## **Academic and Administrative Experience**

İstanbul Teknik Üniversitesi, 2009 - Continues

İstanbul Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, 2002 - Continues

## Courses

- Temel Mühendisliği, Undergraduate, 2016 - 2017  
Tasarım Projesi, Undergraduate, 2016 - 2017  
Arazi Deneyleri ve Değerlendirmesi, Postgraduate, 2015 - 2016  
Temel İnşaati, Undergraduate, 2010 - 2011  
Zemin Mekaniği, Undergraduate, 2010 - 2011

## Jury Memberships

- Appointment to Academic Staff-Assistant Professorship, Doç. Kadrosuna Atama, Pamukkale Üniversitesi, February, 2017  
Appointment to Academic Staff-Assistant Professorship, Prof. Kadrosuna Atama, BÜ , February, 2017  
Doctorate, Tez Savunma Jürisi, YTÜ, January, 2016  
Appointment to Academic Staff-Assistant Professorship, Prof. Kadrosuna Atama, Ege Üniversitesi, December, 2015  
Appointment to Academic Staff-Assistant Professorship, Prof. Kadrosuna Atama, MEF, August, 2015  
Doctoral Examination, Doktora Yeterlik Jürisi, İTÜ, June, 2015  
Appointment to Academic Staff-Assistant Professorship, Yar. Doç kadrosu, MEF, April, 2013  
Appointment to Academic Staff-Assistant Professorship, Yar. Doç. kadrosu, MEF, February, 2012  
Post Graduate, Tez Savunma Jürisi, İTÜ, February, 2008

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A Numerical Study on the Estimation of Liquefaction-Induced Free-Field Settlements by Using PM4Sand Model**  
Subasi O., Koltuk S., İyisan R.  
KSCE JOURNAL OF CIVIL ENGINEERING, vol.26, no.2, pp.673-684, 2022 (SCI-Expanded)
- II. **Determination of spectral aggravation factors in alluvial basins by nonlinear numerical analyses**  
Özaslan B., İyisan R.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.37, no.1, pp.247-263, 2022 (SCI-Expanded)
- III. **Numerical study using stiffness parameters on the nonlinear behavior of RCA pavements under heavy traffic loads**  
Akbaş M., Özaslan B., Khanbabazadeh H., İyisan R.  
TRANSPORTATION GEOTECHNICS, vol.29, 2021 (SCI-Expanded)
- IV. **Freeze and thaw effect on the stiffness properties of recycled concrete aggregate used in the road embankment**  
Akbaş M., İyisan R.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.36, no.2, pp.971-984, 2021 (SCI-Expanded)
- V. **Seepage failure by heave in sheeted excavation pits constructed in stratified cohesionless soils**  
Koltuk S., Song J., İyisan R., Azzam R.  
Frontiers of Structural and Civil Engineering, vol.13, no.6, pp.1415-1431, 2019 (SCI-Expanded)
- VI. **2D seismic response of the Duzce Basin, Turkey**  
Khanbabazadeh H., Hasal M. E., Iyisan R.  
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.125, 2019 (SCI-Expanded)
- VII. **Comparison of One Dimensional Dynamic Analysis and Microtremor Measurement Results**

- Subasi O., Basal M. E., Özaslan B., İyisan R., Yamanaka H., Chimoto K.  
TEKNİK DERGI, vol.30, no.5, pp.9459-9481, 2019 (SCI-Expanded)
- VIII. **Basin Edge Effect on Seismic Ground Response: A Parametric Study for Duzce Basin Case, Turkey**  
Hasal M. E., İyisan R., Yamanaka H.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.43, no.4, pp.2069-2081, 2018 (SCI-Expanded)
- IX. **Nonlinear dynamic behavior of the basins with 2D bedrock**  
Khanbabazadeh H., İyisan R., Ansal A., Zulfikar C.  
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.107, pp.108-115, 2018 (SCI-Expanded)
- X. **The effect of plasticity on residual shear strength for high plasticity clays Yüksek plastisiteli killerin kalıcı kayma mukavemetine plastisitenin etkisi**  
Hatipoğlu M., İyisan R.  
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.32, no.2, pp.313-322, 2017 (SCI-Expanded)
- XI. **2D non-linear seismic response of the Dinar basin,TURKEY**  
Khanbabazadeh H., İyisan R., Ansal A., HASAL M. E.  
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.89, pp.5-11, 2016 (SCI-Expanded)
- XII. **A Seismic Hazard Study through the Comparison of Ground Motion Prediction Equations Using the Weighting Factor of Logic Tree**  
Gullu H., İyisan R.  
JOURNAL OF EARTHQUAKE ENGINEERING, vol.20, no.6, pp.861-884, 2016 (SCI-Expanded)
- XIII. **A numerical study on the 2D behavior of clayey basins**  
KHANBABAZADEH H., İyisan R.  
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.66, pp.31-41, 2014 (SCI-Expanded)
- XIV. **A numerical study on the 2D behavior of the single and layered clayey basins**  
Khanbabazadeh H., İyisan R.  
BULLETIN OF EARTHQUAKE ENGINEERING, vol.12, no.4, pp.1515-1536, 2014 (SCI-Expanded)
- XV. **A numerical study on the basin edge effect on soil amplification**  
İyisan R., Khanbabazadeh H.  
BULLETIN OF EARTHQUAKE ENGINEERING, vol.11, no.5, pp.1305-1323, 2013 (SCI-Expanded)
- XVI. **The Basin Edge Effect on Dynamic Response: Dinar Basin Model**  
İyisan R., HASAL M. E.  
TEKNİK DERGI, vol.22, no.3, pp.5559-5578, 2011 (SCI-Expanded)
- XVII. **Microtremor measurements for the microzonation of Dinar**  
ANSAL A., İyisan R., GULLU H.  
PURE AND APPLIED GEOPHYSICS, vol.158, no.12, pp.2525-2541, 2001 (SCI-Expanded)
- XVIII. **The cyclic behaviour of soils and effects of geotechnical factors in microzonation**  
ANSAL A., İyisan R., YILDIRIM H.  
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.21, no.5, pp.445-452, 2001 (SCI-Expanded)

## Articles Published in Other Journals

- I. **A Numerical Study on Comparison of 1D and 2D Seismic Responses of a Basin in Turkey**  
HASAL M. E., İYİSAN R.  
American Journal of Civil Engineering, vol.2, no.5, pp.123-133, 2014 (Peer-Reviewed Journal)
- II. **Numerical analysis of groundwater flow through a rectangular cofferdam**  
KOLTUK S., İyisan R.  
Electronic Journal of Geotechnical Engineering, pp.2041-2052, 2013 (ESCI)

## **Supported Projects**

İyisan R., Project Supported by Higher Education Institutions, Yerel Zemin Koşullarının Büyütmeye Etkisi, 2016 - 2017  
İyisan R., Project Supported by Higher Education Institutions, Zemin Büyütmesine Anakaya Eğitimi ve Topoğrafyanın Etkisi, 2011 - 2014

İyisan R., Project Supported by Higher Education Institutions, Zemin Tabakalarının İki Boyutlu Dinamik Analizi, 2004 - 2005

## **Scientific Refereeing**

AJCE, SCI Journal, April 2016

Teknik Dergi, SCI Journal, July 2015

Bulletion of Earthquake Engineering, SCI Journal, March 2012

## **Metrics**

Publication: 50

Citation (WoS): 117

Citation (Scopus): 136

H-Index (WoS): 6

H-Index (Scopus): 7