

ÖZGEÇMİŞ

1. **Adı Soyadı** : Gökçe TÖNÜK
2. **Doğum Tarihi** : 25 Eylül 1976
3. **Unvanı** : Yrd.Doç.Dr.
4. **Öğrenim Durumu** : Doktora

| Derece | Alan | Üniversite | Yıl |
|-----------|---------------------------------|-------------------------------|------|
| Lisans | İnşaat Mühendisliği | Orta Doğu Teknik Üniversitesi | 1998 |
| Y. Lisans | İnşaat Mühendisliği - Geoteknik | Orta Doğu Teknik Üniversitesi | 2001 |
| Doktora | Deprem Mühendisliği | Boğaziçi Üniversitesi | 2009 |

5. Akademik Unvanlar

- Yardımcı Doçentlik Tarihi : 03 Mart 2014
Doçentlik Tarihi : -
Profesörlük Tarihi : -

6. Yönetilen Yüksek Lisans ve Doktora Tezleri

- 6.1. Yüksek Lisans Tezleri : -
6.2. Doktora Tezleri : -

7. Yayınlar

7.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI,SSCI,Arts and Humanities)

- Tönük, G., Ansal, A., Kurtuluş, A., Çetiner, B. (2013) "Site specific response analysis for performance based design earthquake characteristics", Bulletin of Earthquake Engineering, DOI: 10.1007/s10518-013-9529-1.
- Ansal, A., Kurtuluş, A., Tönük, G. (2010) 'Seismic microzonation and earthquake damage scenarios for urban areas', Soil Dynamics and Earthquake Engineering, Cilt 30, No. 11, ss.1319-1328.
- Ansal, A., Akinci, A., Cultrera, G., Erdik, M., Pessina, V., Tönük, G., Ameri G. (2009) 'Loss estimation in Istanbul based on deterministic earthquake scenarios of the Marmara Sea region (Turkey)', Soil Dynamics and Earthquake Engineering, Cilt 29, No. 4, ss. 699-709.

7.2. Uluslararası diğer hakemli dergilerde yayınlanan makaleler

7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

- Ansal, A., Tönük, G. ve Kurtuluş, A. (2011) 'Site Specific Earthquake Characteristics for Performance Based Design', 5th International Conference on Earthquake Geotechnical Engineering, Ocak 2011, Santiago, Şili, Çağrılı Konuşma.
- Ansal, A., Kurtuluş, A. ve Tönük, G. (2011) 'Site Response from Istanbul Vertical Arrays and Strong Motion Network', ERTC-12 Workshop on Evaluation of EC8, Atina, Yunanistan, 11 Eylül 2011.
- Ansal, A., Kurtuluş, A., Tönük, G. ve Çetiner, B. (2011) 'Site Specific Response Analysis and Vertical Arrays', 1st International Conference on Urban Construction in the Vicinity of Active Faults, 3-5 Eylül, Tebriz, İran, Çağrılı Konuşma.

- Ansal, A., Tönük, G. ve Kurtuluş, A. (2011) ‘Seismic Microzonation Case Studies’, Seismic Risk Management in Urban Areas, Proceedings of a U.S.-Iran-Turkey Seismic Workshop, 14-16 Aralık 2010, İstanbul, PEER Raporu 2011/7.
- Tönük, G. ve Ansal, A. (2010) ‘Selection and Scaling of Ground Motion Records for Site Response Analysis’, 14th European Conference of Earthquake Engineering, Ohrid, Makedonya, 30 Ağustos, 3 Eylül 2010.
- Ansal, A., Kurtulus, A. ve Tonuk, G. (2010) ‘Earthquake Damage Scenarios for Urban Areas’, Proceedings of 9th US National/10th Canadian Conference on Earthquake Engineering, Toronto, 25-29 Temmuz 2010.
- Ansal, A., Tönük, G., Kurtuluş, A., Erdik, M. ve Parolai, S. (2010) ‘Modeling The Observed Site Response from Istanbul Strong Motion Network’, Fifth International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, San Diego, ABD, 24-29 Mayıs 2010.
- Ansal, A., D’Ayala, D., Kurtuluş, A. ve Tönük, G. (2010) ‘Site Specific Ground Motion Estimations for the Vulnerability Assessment of Historic Buildings in Istanbul’, Joint Conference Proceedings, 7th International Conference on Urban Earthquake Engineering (7CUEE) & 5th International Conference on Earthquake Engineering (5ICEE), Tokyo, Japonya, 3-5 Mart 2010.
- Tönük, G. ve Ansal, A. (2010) ‘Ground Motion Selection and Scaling for Site Response Analysis’, Joint Conference Proceedings, 7th International Conference on Urban Earthquake Engineering (7CUEE) & 5th International Conference on Earthquake Engineering (5ICEE), Tokyo, Japonya, 3-5 Mart 2010.
- Ansal, A., Tönük, G., and Kurtuluş, A. (2010) “Seismic Microzonation and Earthquake Scenarios for Urban Sustainability”, Proceedings of Kyoto Seminar 2010 Geotechnics/ Earthquake Geotechnics towards Global Sustainability, 141-151, Kyoto, Japonya, 12-14 Ocak 2010.
- Tönük, G. ve Ansal, A. (2010) ‘Ground Motion Selection and Scaling for Site Response Analysis’, Young Geotechnical Engineers Forum on On-going Research, Kyoto, Japonya, 13 Ocak 2010.
- Ansal, A., Tönük, G. ve Kurtuluş, A. (2009) ‘Case Studies on Microzonation for Ground Shaking Intensity’, Proceedings of the Geo-Informatics and Zoning for Hazard Mapping, Kyoto, Japonya, 3-4 Aralık 2009.
- Ansal, A. ve Tönük, G. (2009) ‘Site Specific Earthquake Characteristics for Performance Based Design’, Keynote Lecture, Proceedings of International Conference on Earthquake Engineering, Seismology and Engineering Seismology Volume, ss.59-63, Banja Luka, Republic of Srpska, Bosna Hersek, 26-28 Ekim 2009.
- Ansal, A., Tönük, G., Kurtuluş, A. (2009) ‘Earthquake Hazard and Microzonation for Urban Planning’, Proceedings of Balkan Seminar on Earthquake Engineering, ss.AA1-AA3,
- Ansal, A., Tönük, G., Kurtuluş, A. (2009) ‘Site Specific Earthquake Characteristics’, TC4 Satellite Conference on Earthquake Engineering, İskenderiye, Mısır, 2- 3 Ekim 2009.
- Tönük, G. ve Ansal, A. (2009) ‘Empirical Predictive Relations for Engineering Ground Motion Parameters on Rock Sites based on NGA Database’, General Assembly of International Association of Seismology and Physics of the Earth’s Interior, Capetown, Güney Afrika, 12- 17 Ocak 2009.
- Ansal, A., Tönük, G., Kurtuluş, A. (2008) ‘Microzonation and Earthquake Damage Scenarios’, Proceedings of 1st International Conference on Seismic Retrofitting, Tebriz, İran, 20-22 Ekim 2008.

- Spence, R., So, E., Cultrera, G., Ansal, A., Ptilakis, K., Campos Costa, A., Tönük, G., Argyroudis, S., Kakderi, K., Sousa, M.L. (2008) 'Earthquake Loss Estimation and Mitigation in Europe: A Review and Comparison of Alternative Approaches', Proceedings of World Conference on Earthquake Engineering, Pekin, Çin, 13-17 Ekim 2008.
- Tönük, G. ve Ansal, A. (2008) 'Site Response Nonlinearity based on Case Studies', 31. General Assembly of European Seismological Commission ESC, Girit, Yunanistan, 7-12 Eylül 2008.
- Ansal, A., Kurtuluş, A., Tönük, G. (2008) 'Damage to Water and Sewage Pipelines in Adapazari During 1999 Kocaeli, Turkey Earthquake', Proceedings of 6th International Conference on Case histories in Geotechnical Engineering, Arlington, Virginia, ABD, Paper No:3.17, 11-16 Ağustos 2008.
- Tönük, G. ve Ansal, A. (2008) 'An Investigation on the Effects of Stress Reduction Factors on Liquefaction Analysis', Proceedings of Geotechnical Earthquake Engineering and Soil Dynamics IV, Sacramento, ABD, 18-22 Mayıs 2008.
- Ansal, A., Kurtuluş, A., Tönük, G. (2008) 'Earthquake Loss Estimation Tool for Urban Areas', Proceedings of Geotechnical Earthquake Engineering and Soil Dynamics IV, Sacramento, ABD, 18-22 Mayıs 2008.
- Ansal, A., Tönük, G., Kurtuluş, A. (2008) 'Microzonation with respect to Ground Shaking Intensity and Seismic Damage Scenarios', Proceedings of International Conference on Geotechnical Engineering, Hammamet, Tunus, ss.31-40, 24-26 Mart 2008.
- Ansal, A. ve Tönük, G. (2007) 'Stress Reduction Factors in Simplified Liquefaction Analysis', Proceedings of Workshop of the European Technical Committee-12 of ISSMGE on Geotechnical Evaluation and Application of the Seismic Eurocode-EC8, Madrid, İspanya, 25 Eylül 2007.
- Ansal, A., Tönük, G. ve Y.Bayraklı (2007) 'Microzonation with respect to Ground Shaking Intensity based on 1D Site Response Analysis', XIV European Conference on Soil Mechanics and Geotechnical Engineering (ECSMGE 2007), Madrid, İspanya.
- Tönük, G. ve Ansal, A. (2007) 'Site Response Nonlinearity based on Case Studies', 4th International Conference on Earthquake Geotechnical Engineering, Selanik, Yunanistan, Bildiri No. 1543, 25-28 Haziran 2007.
- Ansal, A. ve Tönük, G. (2007) 'Ground Motion Parameters for Loss Estimation', Keynote Lecture, Fourth International Conference on Urban Earthquake Engineering, Tokyo Institute of Technology, Tokyo, Japonya, ss.7-14, 5-6 Mart 2007.
- Ansal, A. ve Tönük, G. (2007) 'Stress Reduction Factors in Simplified Liquefaction Susceptibility Analysis', Fourth International Conference on Urban Earthquake Engineering, Tokyo Institute of Technology, Tokyo, Japonya, ss.763-770, 5-6 Mart 2007.
- Ansal, A., Tönük, G., Demircioğlu, M., Bayraklı, Y., Şeşetyan, K. ve Erdik, M. (2006) 'Ground Motion Parameters for Vulnerability Assessment', Proceedings of the First European Conference on Earthquake Engineering and Seismology, Cenevre, İsviçre, Bildiri No: 1790.
- Ansal, A. ve Tönük, G. (2006) 'Nonlinearity of Site Response based on Ground Motion Records', Proceedings of the Third International Symposium on the Effects of Surface Geology on Seismic Motion, Grenoble, Fransa, Bildiri No: 114.
- Ansal, A. ve Tönük, G. (2006) 'Evaluation of Liquefaction Susceptibility for Microzonation and Urban Planning', Proceedings of International Conference on Geohazards - Technical, Economical and Social Risks, Lillehammer, Norveç.

- Durukal, E., Ansal, A. ve Tönük, G. (2006) 'Effect of Ground Motion Scaling and Uncertainties in Site Characterisation on Site Response Analyses', Proceedings of Eighth U.S. National Conference on Earthquake Engineering, San Francisco, ABD.
- Ansal, A., Durukal, E. ve Tönük, G. (2006) 'Selection and Scaling of Real Acceleration Time Histories for Site Response Analyses', Proceedings of ETC12 Workshop, Atina, Yunanistan, ss.93-98.
- Durukal, E., Ansal, A. ve Tönük, G. (2005) 'Effect of Ground Motion Scaling in Site Response Analyses', Proceedings of TC4 Satellite Conference on Recent Developments in Earthquake Geotechnical Engineering, Osaka, Japonya.
- Ansal, A. ve Tönük, G. (2005) 'Liquefaction Susceptibility and Microzonation', Proceedings of International Conference on Problematic Soils, Eastern Mediterranean University, Magusa, Kuzey Kıbrıs TC, 25-27 Mayıs 2005.

7.4. Yazılan uluslararası kitaplar veya kitaplarda bölümler

- Ansal, G. Tönük, A. Kurtuluş (2011) 'Seismic Microzonation and Earthquake Scenarios for Urban Sustainability', Kitap Serisi: Geotechnical Geological and Earthquake Engineering, Geotechnics and Earthquake Geotechnics towards Global Sustainability, Editör: S. Iai, Bölüm 9 Urban Microzonation, ss. 151-168.
- Ansal, A., Tönük, G., Kurtuluş, A. (2010) 'Microzonation for earthquake scenarios', Earthquake Engineering in Europe, Kitap Serisi: Geotechnical Geological and Earthquake Engineering, Geotechnical Geological and Earthquake Engineering, Editör(ler): Garevski, M. and Ansal, A., Bölüm 3, ss. 45-66.
- Ansal, A., Kurtuluş, A., Tönük, G. (2009) 'Earthquake damage scenario software for urban areas', Computational Structural Dynamics and Earthquake Engineering, Kitap Serisi: Structures and Infrastructures Series, Editör(ler): Papadrakakis, M; Charnpis, DC; Lagaros, ND; Tsompanakis, Y., Cilt 2, ss. 377-391.
- Ansal, A., Tönük, G., Kurtuluş, A. (2009) 'Microzonation for urban planning', Earthquakes and Tsunamis - Civil Engineering Disaster Mitigation Activities - Implementing Millennium Development Goals, Kitap Serisi: Geotechnical Geological and Earthquake Engineering, Geotechnical Geological and Earthquake Engineering, Editör: Tankut, T. A, Bölüm 11, ss. 133-155.
- A.Ansal, G.Tönük (2007) 'Source And Site Effects For Microzonation', Earthquake Geotechnical Engineering, 4th International Conference on Earthquake Geotechnical Engineering-Invited Lectures, Springer Editor.K.Pitilakis, Chapter 4, pp.73-92.

7.5. Ulusal hakemli dergilerde yayımlanan makaleler

7.6. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

- Ansal, A., Kurtuluş, A. ve Tönük, G. (2011) 'İstanbul Düşey Deprem Ağları ve Zemin Davranış Analizleri', Yedinci Ulusal Deprem Mühendisliği Konferansı, 30 Mayıs-3 Haziran 2011, İstanbul, Çağrılı Bildiriler Kitabı ss.157-170.
- Ansal, A., Tönük, G. ve Kurtuluş, A. (2011) 'Zemin Büyütme Analizleri ve Sahaya Özel Tasarım Depremi Özelliklerinin Belirlenmesi', Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, 11-14 Ekim 2011, ODTÜ, ANKARA, Çağrılı Konuşma.
- Tönük, G. ve Ansal, A. (2007) 'Zeminin Doğrusal Olmayan Davranışına Vaka Analizleri ile Bakış', Altıncı Ulusal Deprem Mühendisliği Konferansı, İstanbul, 16-20 Ekim 2007.
- Ansal, A., Tönük, G., Kurtuluş, A. (2007) 'Yer Sarsıntısı Şiddetine Göre Mikrobölgeleme ve Sismik Tehlike Senaryoları', Çağrılı Konuşma, Altıncı Ulusal Deprem Mühendisliği Konferansı, İstanbul, 16-20 Ekim 2007.

7.7. Diğer yayınlar

8. Projeler

- Avrupa Birliği Karadeniz Havzası Ortaklık Projesi: “SciNet NatHaz: A Scientific Network for Earthquake, Landslide and Flood Hazard Prevention” 9/2013-, Doktora sonrası Araştırmacı
- Avrupa Birliği 7. Çerçeve Projesi: “MARSITE New Directions in Seismic Hazard Assessment through Focused Earth Observation in the Marmara Supersite” 3/2013-9/2013, Doktora sonrası Araştırmacı
- Avrupa Birliği 7. Çerçeve Projesi: “SERIES Seismic Engineering Research Infrastructures For European Synergies” 9/2009-3/2013, Doktora sonrası Araştırmacı
- Microzonation for Site Conditions for Abu Dhabi Emirates, Eylül 2010-Mart 2012
- TÜBİTAK Projesi: Depremlerde Yerel Zemin Davranışlarının Düşey İvme Ölçüm Ağları ile İzlenmesi ve Modellenmesi, 6/2008-9/2009, Bursiyer - Araştırmacı
- Avrupa Birliği 7. Çerçeve Projesi “URBANQUAKE: Istanbul Urban Earthquake Test Site: International Re-Integration Grant”, 8/2007-6/2008, Araştırmacı
- Microzonation for Site Conditions for Dubai City, Ocak- Haziran 2008
- Dünya Bankası Pilot Projesi “Inventorization and Multi-Hazard and Earthquake Performance Evaluation of the Cultural Heritage Buildings In Istanbul”, Ekim 2007-Şubat 2008
- Microzonation of Six Municipalities in the World Bank Pilot Project MERM, Nisan-Aralık 2005
- Avrupa Birliği 6.Çerçeve Projesi “LessLoss: Risk Mitigation for Earthquakes and Landslides”, 9/2004-8/2007, Kent ve Altyapı senaryoları çalışma grupları içinde Araştırmacı

9. İdari Görevler

10. Bilimsel ve Mesleki Kuruluşlara Üyelikler

- İnşaat Mühendisleri Odası
- Türk Deprem Vakfı – Deprem Mühendisliği Komitesi Üyeliği
- Avrupa Deprem Mühendisliği Birliği Üyeliği

11. Ödüller

12. Son iki yılda verdiğiniz lisans ve lisansüstü düzeydeki dersler için aşağıdaki tabloyu doldurunuz.

| Akademik Yıl | Dönem | Dersin Adı | Haftalık Saati | | Öğrenci Sayısı |
|--------------|----------|--|----------------|----------|----------------|
| | | | Teorik | Uygulama | |
| 2011-2012 | Güz | | | | |
| | İlkbahar | EQE 540 Site Response Analysis <i>Prof. A.Ansal ile müşterek</i> | 3 | | 10 |
| 2012-2013 | Güz | EQE 679 Seismic Microzonation Methodologies <i>Prof. A.Ansal ile müşterek</i> | 3 | | 5 |

| | | | | | |
|--|-----------------|---|---|--|----|
| | | EQE 697 Special Topics in Earthquake Engineering:Soil Liquefaction <i>Prof. A.Ansal ile müşterek</i> | 3 | | 5 |
| | İlkbahar | EQE 540 Site Response Analysis <i>Prof. A.Ansal ile müşterek</i> | 3 | | 10 |