

SERAP HANBAY
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Nationality Turkish
Sex Female

Education

2015-2019 Bogazici University, Institute of Graduate Studies in Science and Engineering, Department of Civil Engineering, MSc., Istanbul, Turkey.
2011-2015 Istanbul University, Faculty of Engineering, Department of Civil Engineering, BSc., Istanbul, Turkey.

Employment to Date/Work Experience

2016-Present Research Assistant, Altınbaş University, Istanbul, Turkey.
2014-2015 Student Assistant, Istanbul University, Istanbul, Turkey.
2014 Intern, MAKYOL Insaat Sanayi Turizm ve Ticaret A.S., Istanbul, Turkey.
2013-2014 Student Assistant, Istanbul University, Istanbul, Turkey.
2013 Intern, Safi Gayrimenkul ve Yatirimlari Sanayi ve Ticaret A.S., Istanbul, Turkey.

Other Experience/Activities

2015 Akçansa Betonik Fikirler, Competition.
2015 Anadolu University Project Fair and Competition.
2014 PROSteel, Steel Structure Design Competition for Students.
2013-2014 Istanbul University Construction Club, Chairwoman of the board.
2012-2013 Istanbul University Construction Club, Member of the board.

Languages Turkish: Native speaker; English: Professional working proficiency
Other Skills Computer skills: MS Office, Autocad, Matlab, Sap2000.

Publications

2018 Erdem S., Hanbay S., Guler Z., "Micromechanical damage analysis and engineering performance of concrete with colloidal nano-silica and demolished concrete aggregates", CONSTRUCTION AND BUILDING MATERIALS, vol.171, pp.634-642, 2018.
2017 Erdem S., Hanbay S., Blankson M.A., "Self-sensing damage assessment and image- based surface crack quantification of carbon nanofibre reinforced concrete", CONSTRUCTION AND BUILDING MATERIALS, vol.134, pp.520-529, 2017.
2015 Erdem S., Hanbay S., "Investigation of Mechanical and Dynamic Behavior of High Strength Concrete with Boron", 8th Engineering and Technology Symposium, Ankara, Turkey, 14-15 May 2015, pp.333-337 (in Turkish).

Awards

2015 "Detection of The Damage on The Columns of Concrete Bridge by Using Carbon Nanofibers in Sensor Characteristics", TUBITAK 2241-A Scholarship for Industry Oriented Bachelor Senior Project, 2015.

Teaching

Fall, 2016 Soil Mechanics Laboratory
Civil Engineering Materials Laboratory
Physics I Laboratory
Spring, 2017 Physics II Laboratory
Fall, 2017 Soil Mechanics Laboratory
Civil Engineering Materials Laboratory
Physics I Laboratory
Spring, 2018 Physics II Laboratory
Fall, 2018 Soil Mechanics Laboratory
Civil Engineering Materials Laboratory
Civil Engineering Materials Laboratory (in Turkish)