

SERAP HANBAY
RESEARCH ASSISTANT OF CIVIL ENGINEERING DEPARTMENT
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Nationality Turkish
Sex Female

Education

2019-Present Bogazici University, Institute of Graduate Studies in Science and Engineering, Department of Civil Engineering, PhD., Istanbul, Turkey.
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.
Ranking was 1st, top student in the department.

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

2020 Erdem S., Hanbay S., "X-Ray Computed Tomography Technique in Civil Engineering ", in: Micro-computed Tomography (Micro-CT) in Medicine and Engineering, Orhan K., Eds., Springer Nature Publishing Group, London, pp. 277-288, 2020.
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, Project Coordinator.
2015 Best Poster Presentation Second Prize for Bachelor's Degree Graduation Project, Istanbul University Civil Engineering Department.

Projects

2018-2019 “Determination of Service Life of Wind Turbines by Analyses and Field Measurements”, TUBITAK 1001 Scientific and Technological Research Projects Funding Program, Researcher.

Teaching

Soil Mechanics Laboratory

Civil Engineering Materials Laboratory

Physics I Laboratory

Physics II Laboratory