

Cihat ADSIZ

cihat.adsiz@metu.edu.tr • +61 (449) 523 425



Education

Middle East Technical University
Doctor of Philosophy

September 2024-current

- **Thesis Title:** Groundwater Flow Modelling In Confined Aquifers By Time–Space Fractional Governing Equations.

The University of Western Australia
Master of Science, Hydrogeology

December 2021

- **Research Project:** Estimation of Evaporative Losses in Pan Evaporation Experiments Using Stable Isotope Composition of Water and Vapours, and Evaporation Control Methods.
- **Relevant coursework:** Groundwater Flow Modelling, Water in Changing Climate, Fundamentals of Sedimentology, Introduction to Basin Analysis, Hydrogeological Systems, Geographic Information System Application, Groundwater Hydrochemistry, Advanced Land Use and Management.

Gazi University
Bachelor of Science, Civil Engineering

June 2017

- **Graduation project:** Special Concretes.
- The program includes workplace training for a semester.

Experience

National Flood Forecasting and Early Warning Centre
Engineer

Ankara, Türkiye
March 2022-current

- Design and maintain monitoring systems, develop forecasting models, ensure system integration, manage alert processes, perform regular maintenance, analyse environmental data (rainfall, stream gauges etc.), and collaborate with other experts to enhance flood forecasting and response.

Rio Tinto Iron Ore Water Resources Evaluation
Hydrogeology Intern

Perth, Australia
August-October 2021

- Conducting fieldwork in Pilbara, collecting groundwater samples, and investigating hydrochemistry data to assess water quality and contamination, assist with analysing and mapping hydrochemistry data to visualize spatial patterns and trends. It involved supporting data analysis, preparing technical reports, contributing to groundwater modelling, and participating in site assessments. Ensuring compliance with regulations,

collaborating with team members, and undergoing training to deepen your hydrogeology knowledge will also be key aspects of your role.

Esem Construction and Architecture
Site Manager

Adana, Türkiye
Jun 2017-Mar 2018

- Oversee daily operations, coordinate with subcontractors and suppliers, ensure compliance with safety and building regulations, manage project timelines and budgets, handle site logistics and resources, and resolve any issues that arise to ensure the project progresses smoothly and meets quality standards.

Akay Construction
Civil Engineering Intern

Ankara, Türkiye
Feb-May 2017

- Assisted with designing and reviewing technical plans, conducted fieldwork for site inspections and data collection, and supported data analysis for structural integrity. I contributed to project documentation, quality control, and coordination among teams and stakeholders.

Provincial Directorate of Environment and Urbanisation
Civil Engineering Intern

Ankara, Türkiye
July-August 2016

- Assisted with site inspections to ensure compliance with building codes, review construction plans, document discrepancies, and support the preparation of inspection reports. Monitor material quality and workmanship, ensure safety standards are met, and help coordinate between teams while maintaining accurate inspection records.

Volga Group Construction
Civil Engineering Intern

Ankara, Türkiye
Jun-July 2014

- Additionally, I performed research on materials and construction methods, handled administrative tasks, and ensured compliance with safety regulations. My role involved gaining hands-on experience in various aspects of civil engineering while contributing to the successful execution of infrastructure projects

Academic Works

- Adsiz, C., Skrzypek, G., & McCallum, J. (2023). The measurement of ambient air moisture stable isotope composition for the accurate estimation of evaporative losses. *MethodsX*, 11, 102265. <https://doi.org/10.1016/j.mex.2023.102265>

Skills

- Proficient use of Geographic Information Systems and related software (ArcGIS and QGIS)
- Basic in statistical analysis and R software
- Proficient in AutoCAD software for creating detailed engineering drawings and designs.
- Competent in flood modelling using ICM software for analysing and simulating hydraulic and hydrological conditions.