Environmental Engineering Laboratory (TUCeel)

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- **Research Activities**

  Experimental as well as theoretical aspects of contaminant transport in porous media and environmental systems
  - Fate and transport of viruses in subsurface formations.
  - Transport of polydisperse colloids in natural fractures.
  - Dissolution of multi-component nonaqueous phase liquids in porous media.
  - Mathematical modelling of reactive transport in subsurface formations.
  - Development of an environmentally friendly technology for groundwater remediation using acoustic waves.
  - Solar energy applications in environmental systems.

- **Lab infrastructure**

  - Numerous analytical instruments are in place enabling the laboratory to carry out its research projects.

- **Research Projects**

  - “Fate and transport of biocolloids and nanoparticles in groundwater and effects of polluted water on public health”, HELLENIC MINISTRY OF NATIONAL EDUCATION AND RELIGIOUS AFFAIRS: ARISTEIA I (No. 1185), Acronym: BioNFate, Principal Investigator, Budget: 500,000 €, (2012 – 2015).