



### **MSc in Environmental Engineering - METU, Ankara**

Positions for highly motivated MSc students are available immediately to study fluorescence *in situ* hybridization (FISH) with rRNA-targeted probes is, amongst other things, a staining technique that allows phylogenetic identification of bacteria in mixed assemblages without prior cultivation by means of epifluorescence and confocal laser scanning microscopy, or by flow cytometry. FISH is a molecular biology technique that can be used to detect microorganisms known to biodegrade contaminants. When combined with traditional measuring of changes in contaminant concentration over time, FISH provides valuable information for site management, including site conceptual model development, remedy selection, and optimization and determination of contaminant attenuation rates. We enjoy looking at systems from environmental and microbial biotechnology perspective, trying to tease out the key relationships between consortiums. We like using molecular biological methods to investigate the occurrence and distribution of bacteria in the environment in order to provide direct information on community structure for variety of environmental and industrial applications.

Work is carried out in the Department of Environmental Engineering. The successful applicant would be joining the Environmental Engineering Department at METU (<http://www.enve.metu.edu.tr/index.php?view=academic&sb=2>).

**Please, send a cover letter, CV and names of 2 references to:**

**Professor Bulent ICGEN**  
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