## Research Interests, June 2017

## Research Assistant Halil Fikretler

Nowadays, the usage of ecofriendly vehicles and the corresponding researches become prevalent. The principle objective of these researches is to obtain the same power with the vehicles that produce high power with hazardous waste. At that time, resources should be used effectively and efficiently while obtaining this power. In my research, my aim to create an ecofriendly motorbike by using used electrical motors. Besides, 80% of the materials will be from recycled products. Production of motorbike is carrying on.

In Cyprus conditions, effective watering and product protection systems are needed. In this project, my aim is to provide stable watering of trees and plants. The sensors, measure the moisture of soil, prevents plants and trees go without water; and special design timers provide sufficient watering of soil. Besides, in winter, frost is a seasonal condition that harms trees and plants. To avoid this, intelligent fan system will be used. This system will detect air temperature and will be automatically activated when the temperature decreases to the dangerous level for the trees and plants to minimize the damage.