

Erasmus Student Work Placement at the Kahramanmaras Sutcu Imam University (Turkey)

EMPLOYER INFORMATION	
Name of organization	Kahramanmaras Sutcu Imam University (KSU) Research and Development Center for University-Industry-Public Relations (USKIM)
Address inc post code	Kahramanmaras Sutcu Imam University, Avsar Campus, Rectorate, International Relations Office, 46100 Kahramanmaras
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Fax	+90 344 2801070
E-mail	Int-relations@ksu.edu.tr
Website	http://www.ksu.edu.tr , http://uskim.ksu.edu.tr
Short description of the company	Research and development Centre for University –Industry –Public Relation (USKIM) was found ed in 2008. USKIM consist of 9 fully equipped and interdisciplinary coordinatorship directed by highly skilled, compatible and effective working research. Microbial genetics and biotechnology, plant physiology and genetics laboratories are provide training facility for international students.

CONTACT DETAILS	
Contact person for this placement	Assoc.Prof. Dr. Fatih Mengeloğlu
Department and designation / job title	Head of International Relations Office, Erasmus Institutional Coordinator
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PLACEMENT INFORMATION	
Department / Function	Research and Development Center for University-Industry-Public Relations (USKIM)

Description of activities	<ul style="list-style-type: none"> - 4 students needed to study on following subject(s) <ul style="list-style-type: none"> • Genetic identification of natural Lactic acid bacteria and genetic redirection of aromatic metabolic pathways • Identification of natural plasmids sequences • Molecular plant breeding • Gene mapping in plant • Molecular diversity • Plant tissue culture - 2 students needed to study on “Manufacturing and property determination of Wood Plastic Composites (WPC)”. <ul style="list-style-type: none"> - <ul style="list-style-type: none"> • Thermoplastic and termoset based composite manufacturing through compression and injection molding. • Mechanical and physical property determination. • Study on Scanning Electron Microscope (SEM), • Differential Scanning Calorimetry (DSC) and • Thermogravimetric analyzer (TGA). • Students from Polymer Science, Chemical Engineering, Material and Metallurgical Engineering, Wood Science or other related subject are welcome. <u>ENVIROMENTAL ENGINEERING DEPARTMENT:</u> <ul style="list-style-type: none"> - 1 student needed to study on following subject(s) <ul style="list-style-type: none"> • Biological Wastewater Treatment • Enhanced Lab. Skills • Instrumental Analysis(GC and/or HPLC) - 1 student needed to study on following subject(s) <ul style="list-style-type: none"> • Microbiological Analysis • FISH and/or Real Time PCR user <u>TEXTILE ENGINEERING DEPARTMENT:</u> <ul style="list-style-type: none"> - 1 student needed to study on following subject(s) <ul style="list-style-type: none"> • Powder of silver and ZnO nano materials • Material activity • Characterization of these materials • Preparation of textile chemical emulsıon of these materials • Application activities
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- 1 student needed to study on following subject(s)

- Pretreatment of cotton based materials with advanced methods as enzyme, ozone, ultrasound or UV
- Process optimization
- Quality Control

CIVIL ENGINEERING DEPARTMENT:

- 2 students needed to study on following subject(s)

- Construction and building materials(CBM)
- Thermal properties of materials used in CBM
- Waste materials used in CBM

- 2 student needed to study on following subject(s)

- Durability of concretes
- Fire resistance of materials
- Light and Heavy concrete production

GEOLOGICAL ENGINEERING DEPARTMENT:

- 1 student needed to study on following subject(s)

- Engineering geology
- Rock mechanics
- Tunneling

- 1 student needed to study on following subject(s)

- Geochemistry and Petrography of ophiolitic rocks
- Ophiolite related ore deposits
- Petrographic and Engineering properties of the concrete aggregates

SOIL SCIENCE and PLANT NUTRITION DEPARTMENT:

- 1 student needed to study on following subject(s)

- Soil structural development
- Rainfall Activity
- Modelling and Mapping of Erosion

- 1 student needed to study on following subject(s)

- Soil Mineralogical Composition
- Metal Adsorption of Soils
- Soil Remediation
- Plant Nutrition and Soil Fertility

	<p><u>HORTICULTURE DEPARTMENT:</u></p> <p>- 1 student needed to study on following subject(s)</p> <ul style="list-style-type: none"> • Vegetable (peppers and eggplants) cultivation in greenhouse • Biochemical analyses in laboratory (including antioxidant enzymes) • Seed technology (seed germination assays) <p>- Students majoring in biology or agronomy/horticulture preferred (applicants for Horticulture Department)</p>
Location	Kahramanmaras/Turkey
Duration	3 months (June 2013-September 2013)
Working hours per week	30 hours/week
Accommodation (please select)	<input type="checkbox"/> Accommodation will be provided <input checked="" type="checkbox"/> We can assist with finding accommodation <input checked="" type="checkbox"/> Students will make own arrangements
Other	

COMPETENCES, SKILLS and EXPERIENCE REQUIREMENTS	
Languages and level of competence required	-English (B2 English language certificate) The following will be considered merits: English language certificates
Computer skills and level of skills required	User level Intermediate level(applicants for Environmental Engineering)
Other	