

Ula_AV_AR

Date of Birth : 24.08.1979
Place of Birth : Manisa / TURKEY
Nationality : Turkish
Gender : Male
Profession : Geological Engineer, M.Sc.
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EDUCATION

Phil. of Doctorate : **2006 November – Present**, in Geology, Department of Geology, Faculty Sciences, Ghent University, BELGIUM.

Master of Science : **2003 September – 2006 May**, in Applied Geology, Department of Geological Engineering, Graduate School of Natural and Applied Sciences, Middle East Technical University (METU), TURKEY.
CumGPA : 3.36 / 4.00
Thesis Title : Evaluation of Alluvial Deposits in Gemlik Basin in Terms of Earthquake Codes
Supervisor : Prof. Dr. Vedat DOYURAN

Bachelor of Science : **1998 September – 2003 June**, in Geological Engineering, Department of Geological Engineering, Faculty of Engineering, Middle East Technical University (METU), TURKEY.
CumGPA : 3.05 / 4.00 (Honour Student, Rank : 3rd out of 45).

High School : **1993 September – 1997 June**, Science and Mathematics Division, Doruk College (HSLC), Manisa / TURKEY.

EXPERIENCE

Royal Observatory of Belgium, Seismology Department, Brussels/BELGIUM – Researcher

2006 June – Present (Full Time)

nominated member of Excellence Team of EC-Marie Curie Excellence Grant Project entitled “Understanding the irregularity of seismic cycles: A case study in Turkey”. The present project seeks to obtain a most extensive chronology of past events along both the North and the East Anatolian Faults. For that purpose, team members plan to use a diverse array of complementary techniques, involving trenching across the fault combined with subsurface geophysics, dating of displaced geomorphic features and drilling of lake sediments along the fault trace. My role in the team is to trace pre-historic earthquake records in modern lake sediments.

ÜÇER Consulting Engineering Corporation, Ankara/TURKEY – Geological Engineer

2005 May – 2006 February (Full Time)

coordinator of consultant geotechnical team which had been responsible for the consultancy and inspection of earth-sciences and geotechnics affairs within the scope of project entitled “Marmara Earthquake Emergency Reconstruction (MEER) Project, A3 Component: Microzonation and Hazard Vulnerability Studies for Disaster Mitigation in Pilot Municipalities”.

Mineral Research and Exploration Institute, Ankara/TURKEY – Trainee Student

2002 August – 2002 September, (Field Camp, Kayseri/TURKEY)

structural, stratigraphical and paleontological investigation of a 16 km² area in detail in Alada_lar region (Eastern Taurides), South of Turkey.

Mineral Research and Exploration Institute, Ankara/TURKEY – Trainee Student

2001 August – 2001 September, (Field Camp, Kayseri/TURKEY)

sampling on Mississippi-Valey Type (MVT) Pb-Zn deposits and 1/25000 scaled geological mapping of an area in Alada_lar region (Eastern Taurides), South of Turkey.

VOLUNTARY ACTIVITIES

Youth Services Center (GSM), Ankara / TURKEY

International Volunteer Workcamp, GSM16, Eski_ehir/TURKEY – Camp Leader

2002 September,

nominated as the leader of international voluntary workcamp organized in Do_ançayır/Eski_ehir. The camp was implemented by the participation of 17 volunteers from 9 countries.

Youth Services Center (GSM), Ankara / TURKEY

International Volunteer Workcamp, Parma/ITALY – Volunteer

2001 July,

participated in the volunteer group composed of 8 members. The group worked on design, organization and arrangement of the “Festa Multiculturale” festival site.

SEMINARS and PRESENTATIONS

Av_ar, U., 2005. Probabilistic Seismic Hazard Assessment, GEOE 590 Graduate Seminar, Department of Geological Engineering, METU, Ankara, Turkey.

Av_ar, U., _engör, M.Y., Çetinkaya, Ö., 2004. Seismic Hazard Assessment for Mustafa Kemal Pa_a County of Bursa, CE 741 Seismic Hazard Assessment course, Department of Civil Engineering, METU, Ankara, Turkey.

_engör, M.Y., Av_ar, U., Küçükçoban, S., Maltaymaz, E., 2003. Seismic Site Response Analysis for a Site Effected by a Scenario Earthquake, CE 728 Geotechnical Earthquake Engineering course, Department of Civil Engineering, METU, Ankara, Turkey.

Av_ar, U., Demirta_, U., 2003. Analysis of 2-D Contaminant Migration through a Soil Layer Due to an Instantaneous (Pulse) Source by VISUAL MODFLOW Version 2.8.1, CE 561 Topics in Environmental Geotechnology course, Department of Civil Engineering, METU, Ankara, Turkey.

Av_ar, U., _mer, A., Demirta_, U., 2003. An Open Cut Slope Design on Ankara-Kastamonu TEM Highway, GEOE 492 Geological Engineering Design course, Department of Geological Engineering, METU, Ankara, Turkey.

Av_ar, U., 2002. Structural, Stratigraphical and Paleontological Evaluation of an area Located Nearby Yahyalı/Kayseri, GEOE 400 Summer Practice, Department of Geological Engineering, METU, Ankara, Turkey.

Av_ar, U., Demirta_, U., Sayıt, K., Oflaz, A., _lknur, K., 2002. Geological Mapping of an area in the Northeast of Haymana Anticline/Ankara, GEOE 308 Field Geology course, Department of Geological Engineering, METU, Ankara, Turkey.

Av_ar, U., 2001. Report on Geological Observations around Yahyalı/Kayseri, GEOE 400 Summer Practice, Department of Geological Engineering, METU, Ankara, Turkey.

COMPUTER SKILLS

(***** Very Good** **** Good** *** Intermediate**)

(I used all of these softwares in detail during report preparation of term projects)

- **MS Office (***)**
To make documents, presentations, complex calculations, databases etc.
- **Adobe Photoshop 8.0 (***)**
For image modification.
- **AutoCAD 2004 (***)**
To prepare maps, sketch drawings, borehole logs, cross-sections etc.
- **MapInfo Prof. 7.8 (***)**
For GIS applications on geological maps, query, interpolation techniques, 3-D surface views etc.
- **Freehand MX (***)**
For any kind of drawings.
- **Surfer 8 (***)**
For hydrogeological design, maps and 3-D surface views.
- **EERA (***)**
For equivalent-linear earthquake site response analysis.
- **EduShake (**)**
For 1-D site response analysis.
- **SeisRisk III (**)**
To conduct Probabilistic Seismic Hazard Analysis (Seismic Hazard Assessment for Mustafa Kemal Pa_a County of Bursa).
- **SPSS (**)**
For basic statistical analysis (ANOVA, tests, discriminant analysis) .
- **MathCad (**)**
For basic matrix calculations.
- **SigmaW (**)**
Determination of in-situ stress-strain conditions by using FEM.
- **SlopeW (**)**
Slope stability assessments.
- **RocLab (**)**
To determine the shear strength parameters of rock material.
- **Dips (**)**
For joint and fracture analysis.
- **RockWorks 2002 (*)**
For basic 3-D borehole correlations.
- **Modflow 2000 (*)**
Hydraulic parameters and groundwater modeling. (2-D Contaminant Migration through a Soil Layer)
- **TNT mips 6.9 (*)**
For basic remote sensing applications.

LANGUAGE SKILLS

Turkish : Mother tongue

English : Good command of written and spoken English

HOBBIES

Swimming, cinema, billiards, traveling, folk dancing, tracking