

## Curriculum Vitae

**Name and Surname:** İRFAN YOLCUBAL

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Kocaeli

### Education:

**Ph.D.** 1996-2001, University of Arizona, Hydrology and Water Resources Dept. Major: Contaminant Hydrogeology, Minor: Environmental Sciences

**M. Sc.** 1994 – 1996, Purdue University, W. Lafayette, Geochemistry.

**B. Sc.** 1988 – 1992, Black Sea Technical University, Turkey, Geological Engineering.

### Academic Positions Held

6/2002-2/2003, Visiting Prof., University of Arizona, Engineering Faculty, Soil, Water and Environmental Sciences Dept.

2009 to present, Assoc. Prof., Kocaeli University Engineering Faculty, Geological Engineering

2002-2009, Assist. Prof. Dr., Kocaeli University Engineering Faculty, Geological Engineering

1996-2001, Research Assistant, University of Arizona, Hydrology and Water Resources Dept.

### Administrative Duties

2008 – present, Vice Dept. Head, Kocaeli University, Geological Engineering

11/2009- present, Head of Applied Geology Division, Kocaeli University, Geological Engineering

### Thesis Completed or Ongoing Under Advisory

- 1) 2012 | Dissertation Title: Cleanup of DNAPL contamination in karst aquifer environments: Performance of in-situ chemical oxidation using potassium permanganate, Nihat Hakan Akyol
- 2) 2011| Thesis Title: Source, fate and transport of arsenic in gold mine (Erzincan), Sevgin Görkem Çelik.
- 3) 2010- cont.| Thesis Title: Hydrogeology and groundwater quality of Dilovası, Fatmanur Sönmez
- 4) 2010- (cont.) | Dissertation Title: Geochemical Processes Controlling the Generation and Environmental Impacts of Acid Mine Drainage in the case of Polymetallic mines,

Artvin, Ayda Doğrul

- 5) 2010 (cont.) | Thesis Title: Fate and transport of arsenic in a case of Erzican gold mine, Sevgin Görkem Çelik
- 6) 2008 | Thesis Title: Hydrogeochemical investigation of streams discharging to Sapanca Lake, Sevgi Açıkgöz
- 7) 2007 | Thesis Title: Biomonitoring of Atmospheric Heavy Metal Deposition in Kocaeli Province Using Mosses and Lichens, Ayda Doğrul
- 8) 2007- (cont.) | Dissertation Title: Hydrogeology of Sapanca Lake Watershed and groundwater modelling, Özgecan Ataş
- 9) 2006 | Thesis Title: Transport and retention of hexavalent chromium in calcareous soil, Nihat Hakan Akyol

### **Projects:**

*Influence of Coupled-Physical-Chemical Processes on Biodegradation and in-situ bioremediation of Organic Compounds*, United States National Institute of Environmental Health and Science Superfund Basic Research Program, **Researcher**, 2000.

*In-Situ Measurement of Water Content Using Gas-Phase Partitioning Tracer*, United States Department of Agriculture National Research Initiative Program, **Researcher**, 2002.

*Transport and retention of arsenic and chromium in karstic environment*, TÜBİTAK Project, ÇAYDAG-103Y143, **Principal Inv.**, 2006.

*Biomonitoring of Atmospheric Heavy Metal Deposition in Kocaeli Province Using Mosses and Lichens*, Kocaeli University BAP Project, KOU-2004-53, **Principal Inv.**, 2007.

*Cleanup of DNAPL contamination in karst aquifer environments: Performance of in-situ chemical oxidation using potassium permanganate*, TÜBİTAK Project, ÇAYDAG-104Y063, **Principal Inv.**, 2009.

*Application and development of control technologies for pollutant sources of Sapanca Lake*, TÜBİTAK Project, 107G013, **Researcher**, 2010.

*ICP-MS Facility development project for geological engineering department*, Kocaeli University BAP Project, KOU 2009/010, **Principal Inv.**, 2010.

*Geochemical Processes Controlling the Generation and Environmental Impacts of Acid Mine Drainage in the case of Polymetallic mines, Artvin*, TÜBİTAK Project, 110Y0235, **Principal Inv.**, 2011-(Cont.).

*Determination of Groundwater potential and quality in İzmit Plain and Dilovası*, Kocaeli Municipality ISU Project, **Principal Inv.**, 2011.

*Hydrogeology of Sapanca Lake Watershed and Groundwater Modelling*, Kocaeli University BAP Project, KOU-2010/088, **Principal Inv.**, 2012.

*Environmental Impact Assessment of Turkish Lignite Mines*, TÜBİTAK MAM Project, **Researcher**, 2013.

*Building Opportunity Out of Science and Technology, Helping Hydrologic Outreach in Indonesia & Turkey, (BOOST H2O)*, US Department of State Project, **Researcher**, 2013 (Cont.).

*Sea Bottom Survey Applications and Environmental Management of Bottom Materials*, TÜBİTAK TARAL Project,111G036, **Researcher**, 2013 (Cont.).

### **Professional Membership :**

American Geophysical Union (AGU)

National Groundwater Association (NGWA)

### **Honors:**

1993, Scholarship, M. Sc. and Ph. D. Scholarship in USA, YÖK

### **Courses Taught:**

**Undergraduate Courses:** Environmental Geology (Spring), Hydrogeology (Fall), Applied Hydrogeology (Fall), Hydrology (Hydrology)

**Graduate Courses:** Advance Groundwater Hydrology, Environmental Hydrogeology, Groundwater Contamination and Transport, Selective Topics in Hydrogeology

## **PUBLICATIONS**

### **A. Peer-Reviewed SCI Articles**

**A1.** Akyol, N.H., I. **Yolcubal**, "Oxidation of Nonaqueous Phase Trichloroethylene with Permanganate in Epikarst", *Water, Air, Soil Pollution*, 224 (5), 1-19, (2013).

**A2.** Doğrul-Demiray, **Yolcubal**, I., Akyol, N.H., G. Çobanoğlu, "Biomonitoring of airborne metals using the Lichen *Xanthoria parietina* in Kocaeli Province, Turkey", *Ecological Indicators*, 18, 632-643, (2012).

**A3.** Akyol, N.H., **Yolcubal**, I., D.I. Yüksel, "Sorption and transport of trichloroethylene in caliche soil", *Chemosphere*, 82(6), 809-816, (2011).

**A4.** **Yolcubal**, I., N.H. Akyol, "Adsorption and Transport of Arsenate in Carbonate-Rich Soils: Coupled Effects of Nonlinear and Rate-limited Sorption", *Chemosphere*, 73, 1300-1307. (2008).

**A5.** **Yolcubal**, I. ve N. H. Akyol, "Retention and Transport of Hexavalent Chromium in Calcareous Karst Soils", *Turkish Journal of Earth Sciences*, 16(3), 363-379 (2007).

**A6.** Tick, G.R., C. M. McColl, I. **Yolcubal** and M. L. Brusseau, "Gas-phase Diffusive Tracer Test for the In-situ Measurement of Tortuosity in the Vadose Zone", *Water, Air, and Soil Pollution*, 184(1-4), 355-362, (2007).

**A7.** Brusseau, M.L., S. K. Sandrin, L. Li, I. **Yolcubal**, F. L. Jordan and R. M. Maier, "Biodegradation During Contaminant Transport in Porous Media: 8. The Influence of Microbial System Variability on Transport Behavior and Parameter Estimation", *Water Resources Research*, 42(4), W04406, doi:10.1029/2005WR004112, (2006).

**A8.** Wang, X., I. **Yolcubal**, W. Wang, J. Artiola, R. Maier and M. Brusseau, "Use of Cyclodextrin and Calcium Chloride for Enhanced Removal of Mercury from Soil", *Environmental Toxicology and Chemistry*, 23(8), 1888-1892, (2004).

**A9. Yolcubal**, I., J.G. Dorn, R. M. Maier and M. L. Brusseau, "The Influence of Substrate and Electron Acceptor Availability on Bioactive Zone Dynamics in Porous Media", *Journal of Contaminant Hydrology*, 66(3-4), 219-237, (2003).

**A10. Yolcubal**, I., S.A. Pierce, R. M. Maier and M. L. Brusseau, "Biodegradation During Contaminant Transport in Porous Media: V. The Influence of Growth and Cell Elution on Microbial Distribution", *Journal of Environmental Quality*, 31(6), 1824 -1830, (2002).

**A11.** Li L., I. **Yolcubal**, S. Sandrin, M. Q. Hu and M. L. Brusseau, "Biodegradation During Contaminant Transport in Porous media: 3. Apparent Condition-Dependency of Growth-Related Coefficients ", *Journal of Contaminant Hydrology*, 50(3-4), 209-223, (2001).

**A12. Yolcubal**, I., J.J. Piatt, S.A. Pierce, M. L. Brusseau and R. M. Maier, "Fiber Optic Detection of In situ Lux Reporter Gene Activity in Porous Media: System Design and Performance", *Analytica Chimica Acta*, 422(2), 121-130, (2000).

**A13. Yolcubal**, I., R. O. Sack, M.-S. Wang and M. E. Lipschutz, "Formation Conditions of Igneous Regions in Ordinary Chondrites: Chico, Rose City, and Other Heavily Shocked H and L Chondrites", *Journal of Geophysical Research*, 102 (E9), 21589-21611, (1997).

## **B. International Conference Presentations :**

**B1.** Güneş, K., İleri, R., Albay, M., **Yolcubal**, I., Altuğ, G., S. Özdemir," İçmesuyu Kaynakları Üzerindeki Baskılar ve Çözümüne Yönelik Yaklaşımlar: Sapanca Gölü Örneği", 3. Uluslararası Bursa Su Kongresi ve Su Sergisi, Bursa,22-24 Mart 2013.

**B2. Yolcubal**, I., Doğrul Demiray, A., E. Çiftçi, "Mechanisms of Arsenic Attenuation in Acid Mine Drainage from Copper Mines, Northeastern Turkey", The Sixth International Perspectives on Water Resources & the Environment Conference (IPWE 2013), İzmir, January 2-7 2013.

**B3. Yolcubal**, I., Çelik, S., Çiftçi, E., Ö. Gündüz, "The Role of Jarosite Secondary Mineral in Controlling Fate and Transport of Arsenic in Cu-Au Porphyry Mineralization, Eastern Turkey", The Sixth International Perspectives on Water Resources & the Environment Conference (IPWE 2013), İzmir, January 2-7 2013.

**B4.** Akyol, N.H., I. **Yolcubal**, "In-situ remediation of chlorinated solvents in karst aquifers using potassium permanganate", Earth Week, Soil, Water and Environmental Science, Tucson,AZ., March 30-April 2 2011.

**B5.** Akyol, N.H., Russo, A., Brusseau, M., I. **Yolcubal**, "In situ remediation of chlorinated-solvent contaminated source zones", WSP Water Forum, Tucson, AZ, 2010.

**B6.** Akyol, N.H., I. **Yolcubal**, "In situ chemical oxidation of residual TCE in epikarst" , World Academy of Science, Engineering and Technology, Vol:33, 337-339, 2009.

**B7.** Akyol, N.H., I. **Yolcubal**, "In situ chemical oxidation of trichloroethylene using potassium permanganate in calcareous soil", International Groundwater Symposium, İstanbul , 2008.

**B8.** Akyol, N.H., I. **Yolcubal**, "Sorption of trichloroethylene onto calcareous soil", International Groundwater Symposium, İstanbul, 2008.

**B9.** Doğrul, A., N.H. Akyol, I. **Yolcubal** and G. Çobanoğlu, "Investigation of Atmospheric Heavy Metal Deposition in Kocaeli Province by Analysis of Lichens and Mosses", International Fourth Symposium on Atmospheric Sciences, İstanbul, 2008.

**B10.** Akyol, N.H. and I. **Yolcubal**, "Retention and Transport of Hexavalent Chromium in Calcareous Karst Soils", *AGU Fall Meeting*, San Francisco, 87(52), H11F-1301, 2006.

**B11.** Ghosh, J., G.R. Tick, M.S. Costanza-Robinson and I. **Yolcubal**, "Pore-scale Characterization of Immiscible-Liquid Distribution in a Natural Carbonate-Karst Soil Using Synchrotron X-ray Microtomography", *AGU Fall Meeting*, San Francisco, Vol. 87(52), H43C-0513, 2006.

**B12.** Tick, G.R., M. L. Brusseau, C. M. McColl and I. **Yolcubal**, "Gas-Phase Diffusive Tracer Test for the In-situ Measurement of Tortuosity in the Vadose Zone", *AGU Fall Meeting*, San Francisco, 86(52), H21C-1356, 2005.

**B13.** Dorn, J. G., I. **Yolcubal**, M. L. Brusseau and R. M. Maier, "The Use of a Fiber Optic Lux Reporter System to Characterize the Spatial and Temporal Distribution of In Situ Microbial Activity in Saturated Soil Environments", *NIEHS : Bioremediation and Biodegradation: current advances in reducing toxicity, exposure and environmental consequences*, Pacific Grove, 2002.

**B14.** **Yolcubal**, I., R. M. Maier and M. L. Brusseau, "The Effect of Growth and Cell Elution on Microbial Distribution During Solute Transport in Porous Media", *NIEHS Superfund Basic Research Program Annual Meeting*, Tucson, 31, 2002.

**B15.** **Yolcubal**, I., J. G. Dorn, R. M. Maier and M. L. Brusseau, "The Influence of Substrate and Electron Acceptor Bioavailability on Bioactive Zone Dynamics in Porous Media", *AGU Spring Meeting*, Boston, Vol. 82(20), H21A-08, 2001.

**B16.** Dorn, J. G., I. **Yolcubal**, J.W. Neilson, M. L. Brusseau and R. M. Maier, "The Use of a Fiber-optic Lux Reporter System to Characterize In-situ Microbial Activity in Soil Environments", *101st American Society for Microbiology*, Orlanda, N-163, 2001.

**B17.** **Yolcubal**, I., S.A. Pierce, R. M. Maier and M. L. Brusseau, "The Influence of Substrate Concentration, Cell Density, and Residence Time on the Microbial Growth Conditions During Transport in Porous Media", *AGU Fall Meeting*, San Francisco, 80(46), B51C-08, 1999.

### **C. Book Chapters :**

**C1.** **Yolcubal**, I., M.L. Brusseau, J.F. Artiola, P. Wierenga and L.G. Wilson, "Environmental Physical Properties and Processes", Chapter 12, *Environmental Monitoring and Remediation*, ed. J.F Artiola, I.L. Pepper and M.L. Brusseau, 207-239, Academic Press, San Diego, 2004.

**C2.** **Yolcubal**, İ., "Surface and Groundwater Hydrology and Determination of Parameters in Hydrologic Budget", TMMOB Geological Eng. Chamber, *II. Applied Hydrogeology Course Notes II*, Ankara, 2008.

#### **D. National Conference Presentations:**

**D1.** Çelik, S.G., **Yolcubal**, I., E. Çiftçi, "Çöpler (İliç, Erzincan) altın sahası örneğinde arseniğin kökeni, taşınımı ve tutunumu", Türkiye Jeoloji Kurultayı, Ankara, 2-6 Nisan 2012.

**D2.** **Yolcubal**, I., H. Kırmızıtaş, "Kentsel Planlamada Su Havzalarının Önemi ve Korunması, TMMOB Kentleşme Ve Yerel Yönetimler Sempozyumu", TMMOB Kentleşme ve Yerel Yönetimler Sempozyumu , Ankara, 2009.

**D3.** **Yolcubal**, I. "Arsenikle Kirlenmiş Yeraltısularının Temizlenmesinde Kullanılan Arıtma Teknolojileri", JMO 1. Tıbbi Jeoloji Çalıştayı, 44-60, Ürgüp , 2009.

**D4.** **Yolcubal**, I. "Yeraltısularında Arsenik Kirliliği: Kökeni, Davranışı ve Mobilitesi", 62. Türkiye Jeoloji Kurultayı, Ankara, 13-17 Nisan 2009.

**D5.** Akyol, N.H. ve İ. **Yolcubal**, "Arsenik Ve Hekzavalent Kromun Karbonatlı Topraklarda Mobilitesi", 60. Türkiye Jeoloji Kurultayı, Ankara, 39-41, 2007.

**D6.** Doğrul, A., N.H. Akyol, İ. **Yolcubal** ve G. Çobanoğlu, "Kocaeli İli Çevresinde Atmosferik Ağır Metal Çökeliminin Karayosunu Ve Liken Analizi Yöntemiyle Belirlenmesi", 60. Türkiye Jeoloji Kurultayı, 42-44, Ankara, 2007.

**D7.** Akyol, N.H. ve İ. **Yolcubal**, "Hekzavalent Kromun Karbonatlı Topraklarda Taşınımı Ve Tutunumu", II. Ulusal Jeokimya Sempozyumu, Bursa, 38, 2006.

**D8.** Doğrul, A., N.H. Akyol, İ. **Yolcubal** ve G. Çobanoğlu, "Kocaeli Bölgesinde Atmosferik Ağır Metal Çökeliminin Karayosunu Ve Likenler Kullanarak İzlenmesi", II. Ulusal Jeokimya Sempozyumu, Bursa, 43 2006.

#### **E: Other Publications**

**E1.** **Yolcubal**, I., A. Doğrul, "Hava kirliliğinin izlenmesinde likenlerin kullanımı: Kocaeli ili Örneği", *Mavi Gezegen*, **14**, 58-63, (2009).

#### **F. Refereeing Information:**

	<b>Type</b>	<b>Description</b>	<b>Date</b>
1	Journal	Environmental Earth Sciences	2013 January
2	Project	Evaluation of TUBITAK Final Report	2013 February
3	Conference	66. Turkish Geology Conference	2013
4	Journal	Environmental Earth Sciences	2013 April
5	Journal	Environmental Science and Technology	2013 May
6	Journal	Turkish Journal of Earth Sciences	2013 Aug.
7	Journal	Environmental Earth Sciences	2013 Sept.
8	Conference	II. Medical Geology Conference, Antalya	2013
9	Journal	Atmospheric Pollution Research	2013
10	Journal	Journal of Contaminant Hydrology	2013

11	Journal	Water Quality, Exposure and Health	2013
12	Journal	Chemosphere	2012 March
13	Journal	Chemosphere	2012 April
14	Journal	Journal of Hazardous Materials	2012
15	Journal	Environmental Earth Sciences	2012 April
16	Journal	Chemosphere	2012 May
17	Journal	Environmental Earth Sciences	2012 Aug.
18	Journal	Science of the Total Environment	2012 June
19	Journal	Journal of Contaminant Hydrology	2012 Jan.
20	Project Panelist	TÜBİTAK Project Panel, Ankara	2012 Nov.
21	Project Panelist	TÜBİTAK project Referee	2012 Oct.
22	Project Panelist	TÜBİTAK Project Panel	2012 May
23	Conference	Session Chair, 65. Turkish Geology Conference, Environmental and Medical Geology Session	2012
24	Journal	Environmental Engineering Science	2011
25	Journal	Environmental Earth Sciences	2011 Feb.
26	Project	TÜBİTAK project Referee	2011 Feb.
27	Journal	Environmental Science and Technology	2011
28	Journal	Chemosphere	2011
29	Journal	Turkish Journal of Engineering and Environmental Sciences,	2011
30	Journal	Environmental Earth Sciences,	2011
31	Journal	Water, Air, and Soil Pollution	2011
32	Journal	Environmental Earth Sciences	2011 June
33	Journal	Water, Air, and Soil Pollution,	2011 June
34	Journal	Environmental Earth Sciences,	2011 Sept.
35	Journal	Chemie der Erde,	2011 Sept.
36	Journal	Environmental Earth Sciences	2011 Oct.
37	Journal	Environmental Earth Sciences	2010 May
38	Journal	Turkish Journal of Earth Sciences	2010
39	Project	Evaluation of TUBITAK Final Report	2010
40	Project Panelist	TÜBİTAK Project Panel, Ankara	2010
41	Journal	Journal of Colloid and Interface Science	2010
42	Project	Evaluation of TUBITAK Interim Report	2010 May
43	Project	TÜBİTAK Project Referee	2010
44	Journal	Applied geochemistry	2010
45	Journal	Environmental Earth Sciences	2010 June
46	Journal	Journal of Hydrology	2010 June
47	Journal	Journal of Hydrology	2010 July
48	Journal	Environmental Earth Sciences	2010 Sept.

49	Journal	Environmental Earth Sciences	2010 Oct.
50	Project Panelist	TÜBİTAK Project Referee	2010 Oct.
51	Project	TÜBİTAK Project Referee	2010 Dec.
52	Project Panelist	TÜBİTAK Project Panel, Ankara	2010 Dec.
53	Project Panelist	TÜBİTAK Project Panel, Ankara	2010 Nov.
54	Journal	Environmental Earth Sciences	2010 Nov.
55	Journal	Journal of Hydrology	2010 Dec.
56	Project	Evaluation of TUBITAK Interim Report	2010 Dec.
57	Journal	Environmental Earth Sciences	2009
58	Journal	Journal of Hydrology	2009
59	Project	TÜBİTAK Project Referee	2009
60	Journal	International Journal of Physical Sciences	2009
61	Journal	Turkish Journal of Earth Sciences	2009
62	Journal	Environmental Technology	2009
63	Journal	Environmental Earth Sciences	2009
64	Journal	Turkish Journal of Earth Science	2009
65	Project	TÜBİTAK Project Referee	2009
66	Journal	Environmental Earth Sciences	2009 June
67	Project	Evaluation of TUBITAK Interim Report	2009 June
68	Journal	Journal of Hydrolog	2009 July
69	Journal	Environmental Earth Sciences	2009 Sept.
70	Conference	I.Medical Geology Meeting, Ürgüp	2009
71	Project Panelist	TÜBİTAK II. Hydrology Project Panel, Ankara	2009 Nov.
72	Project	Evaluation of TUBITAK Interim Report	2009 Nov.
73	Journal	Environmental Earth Sciences	2009 Nov.
74	Project Panelist	Panelist, TÜBİTAK Hydrology Panel, Ankara	2008
75	Project Panelist	Panelist, TÜBİTAK Geochemistry Panel Ankara	2008
76	Project	TÜBİTAK Project Referee 1	2008
77	Project	TÜBİTAK Project Referee 2	2008
78	Committee Member	Türkiye Jeoloji Müh. Odası Hidrojeoloji Bilimsel Teknik Komisyon üyesi, Ankara	2008
79	Committee Member	Türkiye Jeoloji Müh. Odası Tıbbi Jeoloji Bilimsel Teknik Komisyon üyesi, Ankara	2008
80	Journal	Geoderma	2008
81	Project	TÜBİTAK Project Referee	2008
82	Journal	Environmental Geology	2007
83	Project Panelist	TÜBİTAK Hydrology Project Panel, Ankara	2007
84	Journal	Chemosphere	2006



85	Conference	Session Co-Chair AGU, Flow and Contaminant Transport in Karst and Fractured Systems Session, San Francisco	2006
86	Consulting	Hydrogeology of Cöpler (Erzincan, Iliç) Gold Mine- EKOBİL Ltd. Consulting, Ankara	2005

#### H. Scientific Activities:

	Activity	Duty	Activity Place	Date	Place
1)	Symposium	Session Chair	Sixth International Perspectives on Water Resources & the Environment Conference (IPWE 2013), Konferans	2013	İzmir
2)	Meeting	Presenter	TKİ ye bağlı işletmelerde çevresel durum değerlendirme projesi kapanış toplantısı	2013	Ankara
3)	Workshop	Invited Panelist	Yeraltısuyu sistemlerinde izleme çalışmayı, 14-15 Haziran	2013	Ankara
4)	Workshop	Invited Speaker	Yeraltısuları Hidrojeoloji Çalışmayı, 16-17 Kasım	2012	İzmir
5)	Symposium	Invited Speaker	TMMOB Kentleşme Ve Yerel Yönetimler Sempozyumu	2009	Ankara
6)	Seminar	Invited Speaker	Golder Assoc. Eğitim Semineri	2009	Ankara
7)	Symposium	Session Chair	62. Türkiye Jeoloji Kurultayı	2009	Ankara
8)	Workshop	Invited Speaker	Sapanca Gölü Havza Koruma Projesi - Yapay Sulak Alanlar	2009	Kocaeli
9)	Workshop	Member of Scientific Advisory	I. Tıbbi Jeoloji Çalıştay	2009	Ürgüp
10)	Seminar	Invited Speaker	Hidrojeoloji Seminer II, Jeoloji Mühendisler Odası, 19-22 Şubat	2008	Ankara
11)	Symposium	Session Chair	International Groundwater Symposium	2008	İstanbul
12)	Symposium	Session Chair	Kocaeli Üniversitesi Çevre Sorunları Sempozyumu	2008	Kocaeli
13)	Symposium	Session Chair	International Earthquake Symposium 22-24 Ekim	2007	Kocaeli
14)	Seminar	Invited Speaker	Çevresel Ortamlarda Ağır Metal Kirlenmelerinin İzlenmesi ve Taşınım Özelliklerinin Belirlenmesi, ITU Avrasya Yer Bilimleri Enstitüsü, 5 Aralık	2007	İstanbul
15)	Conference	Session Chair	American Geophysical Union Fall Meeting (AGU) (December 11-15), Session H43; Flow and Transport in Karst and Fractured Systems	2006	San Francisco, California USA
16)	Seminar	Invited	TMMOB Jeoloji Mühendisleri Odası,	2005	Ankara

		Speaker	Çevresel Etki Değerlendirme(ÇED) Eğitim Semineri		
17)	Seminar	Invited Speaker	University of Alabama, Dept. of Geological Engineering	2003	Tuscaloosa, Alabama, USA
18)	Seminar	Invited Speaker	University of South Florida, Dept. of Geology	2003	Tampa, Florida USA
19)	Seminar	Invited Speaker	İzmit içme suyu kalitesi, KYOD	2002	Kocaeli