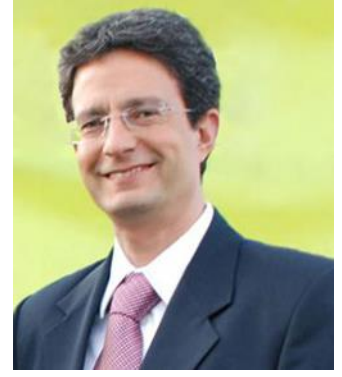


Curriculum Vitae

Prof. Dr. METE TAYANÇ



Date of Birth 1966

Address Marmara Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, Göztepe Kampüsü, Kadıköy, 34722, İstanbul/Türkiye

Telephone 0216-3481369, 0533 8336841, 0535 2115659

Fax 0216-3481369

E-mail mtayanc@marmara.edu.tr

Marital Status Married

EDUCATION AND ACADEMIC TITLES

University	Faculty/Institute	Department	Degree/Title	Year
Marmara University	Faculty of Engineering	Environmental Engineering	Professor	2003
Marmara University	Faculty of Engineering	Environmental Engineering	Associate Professor	1997
Boğaziçi University	Environmental Sciences Institute	Environmental Sciences	Doctor of Philosophy	1995
Boğaziçi University	Environmental Sciences Institute	Environmental Sciences	Master of Science	1991
İstanbul Technical University	Faculty of Aeronautics and Astronautics	Meteorological Engineering	Undergraduate	1988

ADMINISTRATIVE JOBS

Enterprise/Corporation	Department/Unit	Job Type	Job Period
Marmara University	Environmental Engineering	Head of Environmental Sciences Dept.	2011- Continuing
Cyprus International University	Faculty of Engineering	Dean	2007-2010
Cyprus International University	Faculty of Fine Arts	Acting Dean	2007-2009
TÜBİTAK	Çevre, Atmosfer, Yer ve	Management	2007-

	Deniz Bilimleri Araştırma Grubu (ÇAYDAG)	Committee Member	
Marmara University	Environmental Engineering	Vice Chair	2004-2007

EXPERIENCE IN CAREER

SCIENTIFIC COMMITTEE AND ORGANIZATION COMMITTEE MEMBER (Last 7 years)

Conference/Symposium/Publication	Membership	Place	Date
3 rd Istanbul International Water Forum	S-4 Climate: What has changed - Rapporteur	Halic Congress Center-İstanbul	27-29 May 2014
5. Hava Kirliliği ve Kontrolü Sempozyumu	Scientific Committee Member	Anadolu Ün. - Eskişehir	18-20 Eylül 2013
TÜBİTAK Çevre Atmosfer Yer ve Deniz Bilimleri Araştırma Grubu (ÇAYDAG)	Executive Board Member	Ankara	2007-2013
Air Quality Management at Urban, Regional and Global Scales (AQM 2012) 4th International Symposium and IUAPPA Regional Conference	Scientific Advisor	İTÜ - İstanbul	10-13 September 2012
International Conference on Recycling and Reuse	Scientific Committee Member	İÜ - İstanbul	4-6 June 2012
3. Ulusal Katı Atık Yönetimi Kongresi (UKAY 2011)	Scientific Committee Member	UKÜ - Lefkoşa	7-10 September 2011
IV. Hava Kirliliği ve Kontrolü Sempozyumu (HKK2010)	Scientific Committee Member	ODTÜ - Ankara	25-27 October 2010
Türkiye’de Katı Atık Yönetimi Sempozyumu (TÜRKAY 2009)	Scientific Committee Member	YTÜ - İstanbul	15-17 June 2009
IVth International Workshop on Applications of Wavelets to Real World Problems (IWW2009)	Scientific Committee Member	Kocaeli	5-7 June 2009
7th International Conference on Air Quality - Science and Application	Organization Committee Member	İstanbul	24-27 March 2009-
Hava Kirliliği ve Kontrolü Ulusal Sempozyumu – 2008	Scientific Committee Member	Hatay	22-25 October 2008
Kerpic 08 – Learning From Earthen Architecture in Climate Change	Scientific Committee Member	UKÜ - Lefkoşa	4-5 September 2008
AB Sürecinde Türkiye’de Katı Atık Yönetimi ve Çevre Sorunları Sempozyumu	Scientific Committee Member	İstanbul	28-31 May 2007

(TÜRKAY 2007)			
Katı Atık ve Çevre Dergisi	Scientific Committee Member	İstanbul	Continuing
Hava Kirliliği Araştırmaları Dergisi	Scientific Advisory Member	İzmir	2012 - Continuing

PROJECT EXECUTIVE AND RESEARCHER (Last 5 years)

Project Title	Type	Job	Date
Türkiye'deki Rüzgar Enerji Potansiyelinin İstatistiksel Analizi	MÜ BAPKO Project FEN-C-YLP-090414-0102	Executive	2014 - Continuing
Nanoteknolojinin Su/Atıksu Arıtım Uygulamaları	MÜ BAPKO Project FEN-E-120314-0066	Executive	2014 - Continuing
Kuyu Sıcaklık-Derinlik Ölçüm Sistemi Geliştirme ve Türkiye'de Son İki Yüzyıllık İklim Değişiminin Araştırılması	TÜBİTAK 113Y019 1001 Research Project	Researcher	2013 - Continuing
Türkiye'de İklim Değişkenliği: İstanbul'da Yeni Bir Gözlem Ağı ve Tarihsel Veriler	TÜBİTAK 106Y258 1001 Research Project	Executive	2007-2009
Türkiye'deki Güncel Veri Bankası ile İklim Değişikliğinin İncelenmesi	TÜBİTAK 106Y212 1002 Quick Support Project	Executive	2006-2008
Karmaşık Meteorolojik Alanların Simulasyonları ile Şehir ve Bölgesel Ölçekte Hava Kirliliğinin Değerlendirilmesi; İstanbul ve Kocaeli Körfez Örneği	TÜBİTAK 105Y005 COST Project	Researcher	2007-2010
Yağış Alt-Olay Örnekleme ve Analizi İle Bulut Altı Temizleme Mekanizmasının İncelenmesi	TÜBİTAK 109R022 1001 Research Project	Researcher	2010-
Otomatik ve İnternet Erişimli Alt-Olay Yağış Örnekleme ve Analizi	TÜBİTAK 105Y313 1001 Research Project	Researcher	2006-2008
Hava Kalitesi Ölçüm Sistemlerinin Kurulması	TÜBİTAK 104I025 1001 Research Project	Researcher	2004-2006
Marmara Üniversitesi Babko Projesi	FEN-BGS-120707-0153	Researcher	2007-2009

AREAS OF EXPERTISE

Areas of Expertise

AWARDS

Name of the Award	Received Institute	Year
Published SCI Articles Award from the Managed Ph D Thesis	Marmara Üniversitesi	2004
Published SCI Articles Award	Marmara Üniversitesi	2002
Graduation at the Top Place from the University	İstanbul Teknik Üniversitesi	1988
Third Place in the Chemistry Competition among Secondary Schools in Cyprus	TÜBİTAK	1984

PUBLICATIONS**Articles published in SCI, SSCI, AHCI index journals**

AKKOYUNLU, B. O., M. DOGRUEL, M. TAYANC and I. ORUC, 2013. Design and Construction of a Computer Controlled Automatic Sequential Rain Sampler, Biotechnology & Biotechnological Equipment, 27 (3), 3890-3895.
İm U., Incecik S., Guler M., Tek A., Topcu S., Unal Y.S., Yenigun O., Kindap T., Odman M.T., Tayanc M., 2013. Analysis of surface ozone and nitrogen oxides at urban, semi-rural and rural sites in Istanbul, Turkey, Science of the Total Environment, 443, 920-931
OZDEMİR, H, A. UNAL, T. KINDAP, U. U. TURUNCOĞLU, Z. O. DURMUSOĞLU, M. KHAN, M. TAYANC, M. KARACA (2012) Quantification of the urban heat island under a changing climate over Anatolian Peninsula, Theoretical and Applied Climatology, 108, 31-38, DOI: 10.1007/s00704-011-0515-8
İM, U, A. POUPKOU, S. INCECIK, K. MARKAKIS, T. KINDAP, A. UNAL, D. MELAS, O. YENIGUN, S. TOPCU, M. T. ODMAN, M. TAYANC, M. GULER, (2011) The impact of anthropogenic and biogenic emissions on surface ozone concentrations in Istanbul, Sci Total Environ, 409, 1255-1265, doi:10.1016/j.scitotenv.2010.12.026
TAYANÇ, M., U. İM, M. DOĞRUEL and M. KARACA (2009) Climate change in Turkey for the last half century, Climatic Change, 94, 483–502.
AKKOYUNLU, B.O. and M. TAYANÇ (2008) Four Storms With Sub-Events: Sampling and Analysis, Environment International, 34, 5, 606-612
İM, U., M. TAYANÇ and O. YENİGÜN (2008) Interaction patterns of major photochemical pollutants in Istanbul, Turkey, Atmospheric Research, 89, 4, 382-390
TAYANÇ, M. and A. BERÇİN (2007) SO ₂ Modeling in İzmit Gulf, Turkey, During the Winter of 1997: 3 Cases, Environmental Modeling and Assessment, 12, 119-129
İM, U., M. TAYANÇ, and O. YENİGÜN (2006) Analysis of Major Photochemical Pollutants with Meteorological Factors for High Ozone Days in İstanbul, Turkey, Water, Air and Soil Pollution, 175, 335-359.
AKKOYUNLU, B. O. and M. TAYANÇ (2003) Analysis of Wet and Bulk Deposition in Four Different Regions of İstanbul, Turkey, Atmos. Environ., 37, 3571-35.
OKAY, C, B. O. AKKOYUNLU and M. TAYANÇ (2002) Composition of Wet Deposition in Kaynarca, Turkey, Environmental Pollution, 118, 401-410.
TAYANÇ, M. (2000) An Assessment of Spatial and Temporal Variation of Sulfur Dioxide Levels over İstanbul,

Turkey, Environmental Pollution, 107, 61-69.
AKKOYUNLU, B. O., M. TAYANÇ, and M. KARACA (2003) Study of Bulk and Sub-event Wet Deposition in Gebze, Turkey, Water, Air and Soil Pollution: Focus,3,135-149.
KARACA, M., A. DENİZ, and M. TAYANÇ (2000) Cyclone Track Variability over Turkey in Association with Regional Climate, Int. J. of Climatol., 20, 1225-1236.
GÜLSOY, G., M. TAYANÇ and F. ERTÜRK (1999) Chemical Analyses of the Major Ions in the Precipitation of İstanbul, Turkey, Environmental Pollution, 105, 273-280.
TAYANÇ, M., M. KARACA, and H. N. DALFES (1998) March 1987 Cyclone (Blizzard) over the Eastern Mediterranean and Balkan Region Associated with Blocking, Mon. Wea. Rev., 126, 3036-3047.
TAYANÇ, M., H. N. DALFES, M. KARACA, and O. YENİGÜN (1998) A Comparative Assessment of Different Methodologies for Detecting Inhomogeneities in Turkish Temperature Dataset, Int. J. of Climatol., 18, 561-578.
TAYANÇ, M. and H. TOROS (1997) Urbanization Effects on Regional Climate Change in the Case of Four Large Cities of Turkey, Climatic Change, 35, 501-524.
TAYANÇ, M., M. KARACA, and O. YENİGÜN (1997) Annual and Seasonal Air Temperature Trend Patterns of Climate Change and Urbanization Effects in Relation with Air Pollutants in Turkey, J. Geophys. Res., 102 , No. D2 ,1909-1919.
KARACA M., M. TAYANÇ and H. TOROS (1995) The Effects of Urbanization on Climate of İstanbul and Ankara, Atmos. Environ., Urban Atmospheres, 29, 3411-3421.

Conference/Symposium Proceeding Articles

ARSLAN, H., M. TAYANC, Investigation of Wind Energy Potential in Turkey via Statistical Analysis, International Environmental Sciences Symposium of Van (IESSV '14), Van, Turkey, June 04-07, 2014.
İM, U., S. INCECIK, M. GULER, S. TOPCU, Y.S. UNAL, O. YENIGUN, T. KINDAP, M.T. ODMAN, M. TAYANC, A. TEKİR, "Analysis of surface ozone and nitrogen oxides at urban, semi-urban and rural sites in Istanbul, Turkey" Air Quality Management at Urban, Regional and Global Scales, 4th International Symposium and IUAPPA Regional Conference, Istanbul –Turkey, September 2012.
AKKOYUNLU, B. O., M. DEGIRMI, I. ORUC, M. TAYANC, A Study of Wet Deposition Flux Using The Sequential Sampling Technique, 11th International Multidisciplinary Scientific GeoConference (SGEM 2011), 1135-1141, Albena, Bulgaria, Jun 20-25, 2011.
AKKOYUNLU, B. O., I. ORUC, M. TAYANC, the Chemistry of Wet Deposition Flux in Istanbul, TURKEY, 11th International Multidisciplinary Scientific GeoConference (SGEM 2011), 1255-1262, Albena, Bulgaria, Jun 20-25, 2011.
İM, U., S. INCECIK, K. MARKAKIS, T. KINDAP, A. POUPKOU, O. YENIGUN, M. T. ODMAN, S. TOPCU, M. TAYANC, D. MELAS, An Investigation of High Summertime Ozone Level in Istanbul with MM5/CMAQ Modeling System, 30th NATO/SPS International Technical Meeting on Air Pollution Modeling and Its Applications, San Francisco, CA, May 18-22, 2009.
TAYANÇ, M., H. ÖZDEMİR, F. OKTAY, Regional Climate Change in Turkey and North Cyprus, 3rd International Conference on Sustainable Energy & Environmental Protection (SEEP 2009), Dublin, Ireland, 12-15 August 2009.
AKKOYUNLU, B. O., M. TAYANÇ, M DOĞRUEL, I. ORUÇ, Design and Manufacture of an Automatic Sequential Rain Sampler: Testing With Sub-Events SGEM 2008: 8th International Scientific Conference, Vol I, Conference Proceedings - Modern Management Of Mine Producing Geology and Environmental Protection, Sofia, Bulgaria, 16-20 Jun 2008, 637-643.

TAYANÇ, M., A. BERÇİN and H. ÖZDEMİR, Modeling SO ₂ Dispersion During 1-8 March 1998 Episode over İzmit Gulf, Turkey, 11th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Cambridge, 2 -5 July 2007.
TAYANÇ, M., U. İM, M. DOĞRUEL and M. KARACA, Climate Change in Turkey: Temporal and Spatial Variability, IUGG XXIV 2007, Earth: Our Changing Planet, Perugia, Italy, July 2-13, 2007.
TAYANÇ, M., Global Climate Change and Disasters: Effects on Turkey and Cyprus, 1. International Conference on National and International Coordination, Cooperation and Humanitarian Assistance in Natural Disaster and State of Emergency, Girne, KKTC, 17-18 Nisan 2007.
TAYANÇ, M., U. İM, M. DOĞRUEL and M. KARACA, Signal and Trend Analysis of Temperature Series: A Turkish Case, International Conference on Environment: Survival and Sustainability, Lefkoşa, KKTC, 19-24 Şubat 2007
İM, U. and M. TAYANÇ, Annual and Seasonal Trend Patterns of Climate Change in Turkey, International Conference on Climate Change and the Middle East: Past Present and Future, İstanbul, Turkey, November 20-23, 2006.
TAYANÇ, M. and H. TOROS, Urbanization Effects on Regional Climate Change in Turkey, AGU 2006 Western Pacific Geophysics Meeting, Beijing, China, July 24-27, 2006.
KINDAP, T., O. M. GÖKTÜRK, T. SANCAR, M. KARACA, U. U. TURUNÇOĞLU, M. TAYANÇ, Metsamor Nükleer Enerji Santralinin GAP Bölgesine Tehditi, GAP V. Mühendislik Kongresi, Harran, Urfa, 26-28 Nisan 2006.
İM, U., M. TAYANÇ, and O. YENİGÜN, A Study of Photochemical Pollution in İstanbul, 3rd International Symposium on Air Quality Management at Urban, Regional and Global Scales, İstanbul, Turkey, September 26-30, 2005.
TAYANÇ, M., and A. BERÇİN, Modeling SO ₂ Dispersion During 5-6 February 1997 Episode over İzmit Gulf, Turkey, 3rd International Symposium on Air Quality Management at Urban, Regional and Global Scales, İstanbul, Turkey, September 26-30, 2005.
AKKOYUNLU, B. O., and M. TAYANÇ, Four Storms with Sub-Events: Sampling and Analysis, 3rd International Symposium on Air Quality Management at Urban, Regional and Global Scales, İstanbul, Turkey, September 26-30, 2005.
BERÇİN, A., and M. TAYANÇ, Calpuff Simulations of SO ₂ over İzmit Gulf, Turkey During the Winter of 1997: 3 Cases, 1st International Conference on Air Pollution and Combustion (CAPAC), Ankara, Turkey, June 22 - 25, 2005.
TAYANÇ, M., A. ANBAR, K. SAKA, M. KUPÇU, and B. O. AKKOYUNLU, Modeling of Industrial SO ₂ Emissions and Tüpraş Fire Releases During 1999 Earthquake in Gebze-Kocaeli, Turkey, 13th World Clean Air and Environmental Protection Congress and Exhibition, London, UK, August 22 - 27, 2004.
AKKOYUNLU, B. O., M. TAYANÇ, B. E. ERDOĞAN, and B. SENNAROĞLU, Statistical Analyses of the Wet and Bulk Deposition of İstanbul, Turkey, 13th World Clean Air and Environmental Protection Congress and Exhibition, London, UK, August 22 - 27, 2004.
TAYANÇ, M., N. GARİPAĞAOĞLU and B. O. AKKOYUNLU, Investigation of the Variability of SO ₂ and PM in the Large Cities of Turkey, 26th NATO/CCMS International Technical Meeting on Air Pollution Modeling and Its Application, İstanbul, Turkey, May 26-30, 2003.
AKKOYUNLU, B. O. and M. TAYANÇ, Analysis of Wet and Bulk Deposition in Four Different Regions of İstanbul, Agro-Environ 2002, 3rd International Symposium on Sustainable Agro-Environmental Systems: New Technologies and Applications, Cairo, Egypt, 26-29 October, 2002.
AKKOYUNLU, B. O. and M. TAYANÇ, Analysis and Source Determination of Chemical Deposition in Five Different Regions of İstanbul, Turkey, NATO Advanced Research Workshop (ARW) on Air Pollution Processes in Regional Scale, Kallithea, Greece, June 13-15, 2002
AKKOYUNLU, B. O., M. TAYANÇ, and M. KARACA, Analysis of Bulk and Sub-Event Wet Deposition in Gebze, Second International Symposium on Air Quality Management at Urban, Regional and Global Scales, İstanbul,

September 25-28, 2001.
TAYANÇ, M., and M. KARACA, Urbanization Effects on the Local Climate of Selected Cities in Turkey, 3rd European Conference on Applied Climatology, Pisa, Italy, 16-20 October 2000.
TAYANÇ, M., Environmental Impact Assessment of Transportation in Turkey, 14th Workshop of Methodology, Evaluation and Scope of EIA, Brussels, Belgium, 10-12 February 1999.
KARACA, M., and M. TAYANÇ, Urbanization Effects on the Regional Climate Change in Turkey, 2nd European Conference on Applied Climatology, Vienna, Austria, 19-23 October 1998.
TAYANÇ, M., and G. GÖÇMEN, Measurement and Analysis of Photochemical Smog over İstanbul, Turkey, 23rd NATO/CCMS International Technical Meeting on Air Pollution Modeling and Its Application, Varna, Bulgaria, September 28-October 2, 1998.
GÜLSOY, G., M. TAYANÇ and F. ERTÜRK, Chemical Analyses of the Major Ions in the Precipitation of İstanbul, Turkey, 1st International Symposium on Issues in Environmental Pollution, IEP98, Denver, Colorado, USA, August 23-26, 1998.
TAYANÇ, M., Health Impact Assessment and Risk Assessment in Turkey, 13th Workshop of Methodology, Evaluation and Scope of EIA, Faro, Portugal, 23-27 March 1998.
TAYANÇ, M., The Possibility of Applying Cloud Seeding over Cyprus, International Conference on Water Problems in the Mediterranean Countries, Nicosia, North Cyprus, 17-21 November 1997.
GÜLSOY, G., M. TAYANÇ, F. ERTÜRK, and M. KARACA, Neutralization of Acid Precipitation in İstanbul, Turkey, Air Quality Management at Urban, Regional and Global Scales, 10th Regional IUAPPA Conference, İstanbul, September 23-26, 1997.
TAYANÇ, M., M. KARACA, A. SARAL, F. ERTÜRK, and Y. BORHAN, Investigation of SO ₂ Dispersion in İstanbul, Turkey, 2nd European and African Conference on Wind Engineering (2 EACWE), Genova, Italy, June 22-26, 1997.
TAYANÇ, M., M. KARACA, A. SARAL, and F. ERTÜRK, Study of the Decrease of Air Pollution Concentration Levels with the Meteorological Factors, 22st NATO/CCMS International Technical Meeting on Air Pollution Modeling and Its Application, Clermont-Ferrand, France, June 2-6, 1997.
TAYANÇ, M., M. KARACA, A. SARAL, and F. ERTÜRK, İstanbul'da Hava Kirliliği Modellemesi, Uygulamaları ve Çözüm Önerileri, 1. Uludağ Çevre Mühendisliği Sempozyumu, Bursa, 24-26 Haziran 1996.
KARACA, M., A. SARAL, M. TAYANÇ and F. ERTÜRK, Analysis of Air Pollutants in İstanbul: A Preliminary Study, 21st NATO/CCMS International Technical Meeting on Air Pollution Modeling and Its Application, Baltimore, USA, November 6-10, 1995.

Articles published in books as a section

Tayfun Kindap, Alper Unal, Huseyin Ozdemir, Deniz Bozkurt, Ufuk Utku Turuncoglu, Goksel Demir, Mete Tayanc and Mehmet Karaca (2012). Quantification of the Urban Heat Island Under a Changing Climate over Anatolian Peninsula, Human and Social Dimensions of Climate Change, Prof. Netra Chhetri (Ed.), ISBN: 978-953-51-0847-4, InTech, DOI: 10.5772/51244.
IM, U., S. INCECIK, K. MARKAKIS, T. KINDAP, A. POUPKOU, O. YENIGUN, M. T. ODMAN, S. TOPCU, M. TAYANÇ, D. MELAS, An Investigation of High Summertime Ozone Level in Istanbul with MM5/CMAQ Modeling System, Air Pollution Modeling and Its Application XX, Book Series: NATO Science for Peace and Security Series B-Physics and Biophysics, 373-378, 2010.
TAYANÇ, M., N. GARİPAĞAOĞLU and B. O. AKKOYUNLU, Investigation of the variability of SO ₂ and PM in the large cities of Turkey, Air Pollution Modeling and Its Application XVI, Book Series: NATO - Challenges of Modern Society, 16, 613-614, 2004.
AKKOYUNLU, B. O. and M. TAYANÇ, (2002) Analysis of Wet and Bulk Deposition in Five Different Regions of İstanbul, Appropriate Environmental and Solid Waste Management and Technologies for Developing

Countries, Eds: Kocasoy, Atabarut and Nuhoğlu, International Solid Waste Association, 2625-2632.
TAYANÇ, M., and G. Göçmen, (2000) Measurement and Analysis of Photochemical Smog over İstanbul, Turkey, Air Pollution Modeling and Its Application XIII, Eds: Gryning and Batchvarova, Kluwer Academic/Plenum Publishers, New York, 737-738.
TAYANÇ, M., and A. SARAL, (1999) A Study of Sulfur Dioxide Distribution over İstanbul, Turkey and Preliminary Results of Neural Network Analysis, Large Scale Computations in Air Pollution Modelling , Eds.: Z. Zlatev et al., Kluwer Academic Publishers, 313-324.
TAYANÇ, M., M. KARACA, A. SARAL, and F. ERTÜRK, (1998) Study of the Decrease of Air Pollution Concentration Levels with the Meteorological Factors in İstanbul Air Pollution Modeling and Its Application XII, Eds: Gryning and Chaumerliac, Plenum Press, New York, 699-702.
KARACA, M., A. SARAL, M. TAYANÇ and F. ERTÜRK, (1996) Analysis of Air Pollutants in İstanbul: A Preliminary Study, Air Pollution Modeling and Its Application XI, Eds: Gryning and Schiermeier, Plenum Press, New York, 679-682.

Preparation Date: 23/07/2014