

## CURRICULUM VITAE

### 1. GENERAL

<b>NAME AND SURNAME</b>	:Nihan UYGUR BABAOĞLU
<b>E-MAIL:</b> <a href="mailto:nuygur@ksu.edu.tr">nuygur@ksu.edu.tr</a>	

### 2. EDUCATION

Post-PhD: Max Planck Institute Für Chemie / GERMANY, Department of Multiphase Chemistry

PhD : Yıldız Technical University / TURKEY, Department of Environmental Engineering

<b>LANGUAGE SKILLS:</b> English (Fluent), Turkish (Native), German (Intermediate) UDS: 78,750
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### 3. WORK EXPERIENCE

EXPERIENCE TERM	JOB TITLE	UNIVERSITY	DEPARTMENT
2012-2013	Research Assist.	Yıldız Technical University (İstanbul) /Adıyaman University	Department of Environmental Engineering
2013-2014	Assistant Prof. and Post PhD.Fellowship	Max Planck Institute Für Chemie/ GERMANY-KSÜ/Kahramanmaraş	Department of Multiphase Chemistry, Department of Environmental Engineering
2014-Present	Assistant Prof.	KSÜ/Kahramanmaraş	Department of Environmental Engineering

### 4. PUBLICATIONS

Papers Published in International Journals
<p>1-) Neveen A. Hosny , Clare Fitzgerald , Aurimas Vyšniauskas , Thomas Berkemeier, Nihan Uygur, Ulrich Pöschl Manabu Shiraiwa, Markus Kalbere, Francis D. Pope and Marina K. Kuimova ‘<b>Direct on-line imaging of changes in aerosol viscosity upon atmospheric hydration and chemical aging</b>’ 2015. (Submitted to journal)</p> <p>2-)Nihan Uygur, Arslan Saral, Kaan Yetilmezsoy, Selami Demir, S. Levent Kuzu, Hakan Celikten and Sabah Ahmed Abdul-Wahab ‘‘Flux potentials of aerosols and their spatial variations in a coastal metropolis’’ 2014 Royal Meteorological Society</p> <p>3-)Gulten Gunes, Arslan Saral, Hakan Celikten, S. Levent Kuzu, Selami Demir, Nihan Uygur ‘‘Investigation of temporal and spatial variations in atmospheric concentrations of PCDDs and PCDFs in Istanbul’’, Science of The Total Environment, Volumes 488–489, 1 August 2014, Pages 469-474.</p> <p>4-)Ebrahim Mohammadi Kalhori, Kaan Yetilmezsoy, Nihan Uygur, Mansur Zarrabi, Reham</p>

	<p>M. Abu Shmeis "Modeling of adsorption of toxic chromium on natural and surface modified lightweight expanded clay aggregate (LECA)", Original Research Article Applied Surface Science, Volume 287, 15 December 2013, Pages 428-442</p> <p>5-)Uygun N., Karaca F., Alagha O., "Prediction of sources of metal pollution in rainwater in Istanbul, Turkey using factor analysis and long-range transport models" Atmospheric Research, Volume 95, Issue 1, January 2010, Pages 55–64.</p> <p>6-)Uygun N., Özgünoğlu K., "Determination of Emissions from Aircraft at Kahramanmaraş Airport" KSU JES, 2017.</p>
<p><b>Papers Published in International Symposium</b></p>	<p>1-) Uygun N, Saral A, Demir S, Kuzu L, Güneş G, (2012). "Variations in chemical compositions of the aerosols in Istanbul", Paper presented at the ITU-AQM-2012 Air Quality Management Symposium, 10-13 September-2012, Istanbul /TURKEY</p> <p>2-)Uygun, N., Saral A., Demir S. Kuzu L., Güneş G., (2012). "Determining the impact of traffic on aerosol composition in Istanbul", Paper presented at the ITU-AQM-2012 Air Quality Management Symposium, 10-13 September-2012, Istanbul/TURKEY.</p> <p>3-) Kuzu L., Saral A., Demir S., Güneş G., Uygun N., (2012). "Particle number estimation in ambient aerosols using a cascade impactor", Paper presented at the ITU-AQM-2012 Air Quality Management Symposium, 10-13 September-2012, Istanbul /TURKEY</p> <p>4-) Saral A., Demir S., Işık D., Akyıldız A., Kuzu S. L., Güneş G., Çelikten H., Uygun N., (2012). "Identification and apportionment of ozone forming potential in an urban atmosphere by PCA-MLR", Paper presented at the ITU-AQM-2012 Air Quality Management Symposium, 10-13 September-2012, Istanbul /TURKEY.</p> <p>5-) Demir S., Saral A., Güneş G., Kuzu S. L., Akyıldız A., Çan M. B., Uygun N., (2012). "Temperature and humidity dependence of diffusive uptake rates of BTEX compounds for passive samplers", Paper presented at the ITU-AQM-2012 Air Quality Management Symposium, 10-13 September-2012, Istanbul /TURKEY.</p>

	<p>6-) Güneş G., Saral A., Çelikten H., Demir S., Kuzu S. L., Uygur N., (2012). "Determination of gas/particle partitioning of PCDD/Fs in Istanbul atmosphere", Paper presented at the ITU-AQM-2012 Air Quality Management Symposium, 10-13 September-2012, Istanbul /TURKEY.</p> <p>7-) Güneş G., Saral A., Celikten H, Kuzu S.L., Demir, S. Uygur N., (2012). "Investigation of temporal and spatial variation of atmospheric concentration of Polychlorinated dibenzo-p-dioxins and polychlorinated di benzo furans in Istanbul", Paper presented at the ITU-AQM-2012 Air Quality Management Symposium, 10-13 September-2012, Istanbul /TURKEY.</p> <p>8-) Uygur N., Özgünoğlu, K Kahramanmaraş Havalimanı'nda Uçaklardan Kaynaklanan Emisyonların Kahramanmaraş İli'nin Hava Kalitesi Üzerindeki Etkisinin Belirlenmesi, Bursa Uluslararası Su ve Çevre Kongresi, 22-24 Mart 2018.</p>
<p><b>Papers Published in National Journals and Symposium</b></p>	<p>1-) Uygur N., Karaca F., Alagha O., "Determination of pollutant sources and heavy metal content of rain samples collected in Büyükçekmece", (2008), Hatay/TURKEY.</p> <p>2-) Uygur N., Alagha O., Karaca F., "A case study in Büyükçekmece Watershed: Evaluation of the effects of remote regions to local rain acidity", Paper presented at the ITU-Atmosphere-2008, Istanbul/TURKEY.</p> <p>3-) Uygur N., Alagha O., Karaca F., "Neutralization of acid rains in Büyükçekmece watershed area", Paper presented National Air Quality Symposium-2008, May-2008, Konya /TURKEY.</p> <p>4-) Karaca F., Uygur N., "Modeling approach on urban air quality management", Paper presented National Air Quality Symposium-2008, May-2008, Konya /TURKEY.</p> <p>5-) Anıl İ., Karaca F., Uygur N., "Evaluation of traffic sources PM<sub>2,5</sub> and PM<sub>10</sub> during spring period", Paper presented National Air Quality Symposium-2008, May-2008, Konya/TURKEY.</p> <p>6-) Uygur N., Saral A., Demir S., Kuzu S. L., Güneş,G., "The investigation of anthropogenic emissions effects on marine aerosol content seasonally and regionaly: A case study in coastal region of Marmara Sea", Paper presented ITU-Industrial waste control symposium, 2012. Istanbul/TURKEY.</p> <p>7-) Uygur N., Saral A., (2012) "Evaluation of the</p>

	effect of Marmara Sea on the characterization of the coastal line atmosphere in Istanbul”, Sigma Engineering Journal, Yıldız Technical University.
<b>Under preparation for submission</b>	

## 5. PROJECT EXPERIENCE

<b>Project Completed</b>	<b>Project Name</b>
TUBITAK (The Scientific and Technological Research Council of Turkey) ÇAYDAG, 2009	The Sources Of Trace Elements and Acid Rain Which are Collected by Sequential Rain Sampler in Istanbul.
TUBITAK (The Scientific and Technological Research Council of Turkey) ÇAYDAG 1002, 2010-2011	Investigation of the Effects of Marine Aerosol on The Particulate Matter Pollution in Urban Atmosphere: A Case Study in Istanbul.

## 6-RESEARCH AREAS AND INTEREST

The main theme of my research is air pollution control and multiphase processes in the earth system. My specific research interests and areas of expertise can be summarized under the following topics:

1. Laboratory experiments, field observations and mathematical models
2. Kinetics, thermodynamics and effects of multiphase processes in the Earth system, climate and ecological systems
3. Multiphase Chemistry
4. Air pollution assessment and control
5. Aerosol chemistry especially Marine aerosols
6. Long range transport of pollutants in the atmosphere,
7. Precipitation chemistry,
8. Receptor Modelling,
9. Environmental Analytical Chemistry,
10. Trace metal chemistry in sediments,
11. Air quality modeling.