

## Curriculum Vitae

**1. Name:** Dilek Özalp

**2. Position:** Assist. Prof.

**3. Education:**

Degree	Major	Institution	Year
PhD	Science Education	University of South Florida	2010-2014
PhD Cognate	Educational Statistics	University of South Florida	2011-2012
Master	Chemistry Education	Marmara University	2006-2008
Bachelors	Chemistry Education	Marmara University	2001-2006

**4. Academic Positions:**

Position	Program	Institution	Year
Assist. Prof.	Elementary Education	Istanbul Aydın Üniversitesi	Fall 2016---
Assist. Prof. (Part-time)	Math and Science Education	Bogazici University	Fall 2016---
Instructor, Dr. (Part-time)	Primary Education	Bogazici University	Spring 2016-Summer 2016
Teaching Assistant	Math Education	University of South Florida	Spring 2013 Fall 2013 Spring 2014 Summer 2014
Teaching Assistant	INTO USF	University of South Florida	Summer 2013 Fall 2013 Spring 2014
Teaching Assistant	Science Education	University of South Florida	Fall 2011 Spring 2012 Summer 2012 Fall 2012
Research Assistant	Civil & Environmental Engineering	University of South Florida	Fall 2010-Summer 2014 (4 yıl)

**5. Administrative Tasks**

- Head of the Department of Istanbul Aydın University Elementary Education Master Program
- Erasmus Coordinator-Istanbul Aydın University Elementary Education
- Mevlana Coordinator- Istanbul Aydın University Elementary Education
- Istanbul Aydın University Ethics Committee Secretariat

## 6. Publications

### 6.1 Articles published in international refereed journals

Feldman, A., & **Ozalp, D.** (2019). Science teachers' ability to self-calibrate and the trustworthiness of their self-reporting. *Journal of Science Teacher Education*.

**Özalp, D.**, & Kahveci, A. (2015). Diagnostic assessment of student misconceptions about the particulate nature of matter from ontological perspective. *Chem. Educ. Res. Pract.*, 16, 619-639.

Feldman, A., Chapman, A., Vernaza-Hernández, V., **Ozalp, D.**, & Alshehri, F. (2012). Inquiry-based science education as multiple outcome interdisciplinary research and learning (MOIRL). *Science Education International*, 23(4), 328-337.

### 6.2 Papers presented in international scientific meetings and published in the proceedings.

Cunningham, J., Sengupta, S., Ergas, S., Goel, R., **Ozalp, D.**, & Reed, T. (2013, **Best Proceeding Award**). Development of a Concept Inventory for Introductory Environmental Engineering Courses. Paper presented at 2013 American Society Engineering Education (ASEE) Conference, Atlanta, GA.

Feldman, A., **Ozalp, D.**, & Alshehri, F. (2013). The Impact of an REU and RET Program on Participants' Scientific Research Skills. Proceedings of the annual meeting of NARST, Puerto Rico.

Feldman, A., **Ozalp, D.** (2012). Learning to do research in a research experience for undergraduates (REU) program. Proceedings of the annual meeting of NARST, Indianapolis, IN.

### 6.4 Articles published in national refereed journals.

**Ozalp, D.**, & Kahveci, A. (2011). Maddenin tanecikli yapısı ile ilgili iki aşamalı tanılayıcı soruların ontoloji temelinde geliştirilmesi [Development of two-tier diagnostic items based on ontology in the topic of the particulate nature of matter]. *Milli Eğitim Dergisi* [Journal of National Education], 40(191), 135-156.

### 6.5 Papers presented in national scientific meetings and published in the proceedings.

**Ozalp, D.**, & Kahveci, A. (2010). Maddenin tanecikli yapısıyla ilgili tanılayıcı soruların geliştirilmesi ve kavram yanlışlarının ontoloji temelinde belirlenmesi [Development of diagnostic items in the subject of the particulate nature of matter and identification of misconceptions based on ontology]. Proceedings of the 9<sup>th</sup> National Conference of Science and Math. Education, İzmir, Turkey.

#### 6.6.1. Master Thesis

**Ozalp, D.** (2008). İlköğretim ve Ortaöğretim Öğrencilerinin Maddenin Tanecikli Yapısı Konusundaki Kavram Yanlışlarının Ontoloji Temelinde Belirlenmesi [Ontology-Informed Diagnostic Assessment of Middle and Secondary Students' Understanding of the Particulate Nature of Matter], Marmara University, Istanbul, Turkey.

## 6.6.2. Dissertation

**Ozalp, D.** (2014). Science Teachers' Understandings of Science Practices before and after the Participation in an Environmental Engineering Research Experiences for Teachers (RET) Program, University of South Florida, Tampa, United States

## 7. Projects

<b>Project Name</b>	<b>Institution</b>	<b>Date</b>
TÜBİTAK 4007 Haydi Bilimle Aydınlanalım (Principal Investigator)	İstanbul Aydın University	Accepted 12.04.2018
TÜBİTAK 4005 Argüman Odaklı Sanal Laboratuvar Uygulamaları Yoluyla Fen Bilimleri Öğretmelerinin Bilimsel Sorgulama Becerilerinin Geliştirilmesi (Researcher)	İstanbul Aydın University	Accepted 12.04.2018
BAP- İstanbul Aydın Üniversitesi Akademik Personelinin Memnuniyet Ve Aidiyet Düzeylerinin Belirlenmesi. (Principal Investigator)	İstanbul Aydın University	Accepted 21.02.2018
BAP-Dezavantajlı Ortaokul Öğrencilerine Yönelik Mühendislik Uygulamaları – I (Researcher)	İstanbul Aydın University	13 February 2017---
İstanbul Aydın Üniversitesi Öğrencilerinin Akademik ve Sosyo-Kültürel Memnuniyet Düzeylerinin Belirlenmesi: Ölçek Geliştirme Projesi (Researcher)	İstanbul Aydın University	Fall 2016-Summer 2017
RET in Engineering and Computer Science Site: Water Awareness Research and Education. (Research Assistant)	University of South Florida	Summer 2012-Spring 2014
Collaborative Research: Development and Testing of a Fundamentals of Environmental Engineering Concept Inventory (Research Assistant)	University of South Florida	Fall 2011- Spring 2012
Water Awareness, Research And Education In East Tampa (ware East Tampa): A Pilot Collaboration Involving Usf, Young Magnet Middle School And The East Tampa Community. (Research Assistant)	University of South Florida	Fall 2010- Spring 2012
Research Experiences of Undergraduates (REU) Site: Tampa Interdisciplinary Environmental Research (Research Assistant)	University of South Florida	Fall 2010- Spring 2012
Graduate Scholarships to Achieve Sustainable Infrastructure at the Water-energy-global Nexus (Research Assistant)	University of South Florida	Fall 2010- Fall 2011
Multiple Outcome Interdisciplinary Research and Learning (MOIRL) (Research Assistant)	University of South Florida	Spring 2010- Fall 2012
CCEP-I: Coastal Areas Climate Change Education Partnership (CACCE) (Research Assistant)	University of South Florida	Spring 2010- Fall 2012

## 8. Membership to Scientific Organizations

- National Association for Research in Science Teaching (NARST)
- Association for Science Teacher Education (ASTE)

## 9. Awards

- University of South Florida INTO Tutor Excellence Award Spring 2014
- Sandra K. Abell Summer Institute for Doctoral Students July 2013
- ASEE Environmental Engineering Division Best Paper Award April 2013
- USF University Graduate Fellowship Award Fall 2010- Spring 2011
- USF Leslie C. Robbins Dean's Excellence Award Fall 2010-Summer 2014
- Honor Graduate-3<sup>rd</sup> Degree Marmara University June 2006
- Honor Graduate-1<sup>st</sup> Degree Şehitler Elementary School June 1997 GPA: 5.00/5.00
  - Honor Student-1st Degree Şehitler Elementary School 8<sup>th</sup> Grade 1997  
GPA: 5.00/5.00
  - Honor Student-1st Degree Şehitler Elementary School 7<sup>th</sup> Grade 1996  
GPA: 5.00/5.00
  - Honor Student-1st Degree Şehitler Elementary School 6<sup>th</sup> Grade 1995  
GPA: 5.00/5.00

## 10. Taught undergraduate and graduate courses

Academic Year	Semester	Institution	Program	Course	Hour (weekly)	Number of Students
2018-2019	Fall	Istanbul Aydin University	Elementary Education-Master's Degree	Research Methods and Techniques in Education	3	15
2018-2019	Fall	Istanbul Aydin University	Elementary Education-Master's Degree	Seminar	1	3
2018-2019	Fall	Istanbul Aydin University	University Elective-Different majors	Environmental Education	4 (2 sec)	73
2018-2019	Fall	Istanbul Aydin University	Elementary Education	Teaching Practice I	8	1
2017-2018	Spring	Istanbul Aydin University	University Elective-Different majors	Environmental Education	4 (2 sec)	138
2017-2018	Spring	Istanbul	College of	Measurement and Evaluation	3	58

		Aydin University	Education			
2017-2018	Spring	Istanbul Aydin University	Elementary Education-Master's Degree	Experimental Science Teaching in Primary Education	3	9
2017-2018	Spring	Istanbul Aydin University	Elementary Education	School Experience	14	1
2017-2018	Spring	Istanbul Aydin University	Elementary Education	Teaching Practice II	17	1
2017-2018	Fall	Istanbul Aydin University	Elementary Education-Master's Degree	Research Methods and Techniques in Education	3	10
2017-2018	Fall	Istanbul Aydin University	Elementary Education-Master's Degree	Seminar	1	2
2017-2018	Fall	Istanbul Aydin University	Elementary Education-Special Education	Measurement and Evaluation	3	135
2017-2018	Fall	Istanbul Aydin University	University Elective-Different majors	Environmental Education	4 (2 sec)	92
2017-2018	Fall	Istanbul Aydin University	Elementary Education	Teaching Practice I	1	18
2016-2017	Summer	Istanbul Aydin University	Elementary Education	Measurement and Evaluation	6	23
2016-2017	Spring	Istanbul Aydin University	Gifted Education	Science and Technology Education II	3	11
2016-2017	Spring	Istanbul Aydin University	Gifted Education	Science and Technology Applications Laboratory II	2	33
2016-2017	Spring	Istanbul Aydin University	University Elective-Different majors	Environmental Education	4 (2 sec)	60
2016-2017	Spring	Istanbul Aydin University	Elementary Education	Teaching Practice II	2	11
2016-2017	Spring	Boğaziçi University	Primary Education	Applied Research in Mathematics and Science Education	10 (2 sec)	40

2016-2017	Fall	Istanbul Aydin University	Elementary Education-Gifted Education	Measurement and Evaluation	9 (3 sec)	115
2016-2017	Fall	Istanbul Aydin University	Gifted Education	Science and Technology Education I	3	11
2016-2017	Fall	Istanbul Aydin University	Gifted Education	Science and Technology Applications Laboratory I	2	33
2016-2017	Fall	Istanbul Aydin University	University Elective-Different majors	Environmental Education	4 (2 sec)	170
2016-2017	Fall	Boğaziçi University	Primary Education	Assessment in Mathematics and Science Education	6 (2 sec)	60
2015-2016	Summer	Boğaziçi University	Primary Education	Assessment in Mathematics and Science Education	3	7
2015-2016	Spring	Boğaziçi University	Primary Education	Applied Research in Mathematics and Science Education	10 (2 sec)	60
2014-2015	Fall	University of South Florida	INTO USF	Preparation for Intermediate Algebra	2.5	15
2013-2014	Fall Spring Summer	University of South Florida	INTO USF	Preparation for Intermediate Algebra	2.5	45
2013-2014	Fall Spring Summer	University of South Florida	Math Education	Math 1033-Intermediate Algebra	3	75
2012-2013	Summer	University of South Florida	INTO USF	Preparation for Intermediate Algebra	2.5	15
2012-2013	Fall	University of South Florida	Science Education	Teaching Elementary School Science	3	22
2012-2013	Fall	University of South Florida	Math Education	Intermediate Algebra	3	25
2012-2013	Spring	University of South Florida	Math Education	Intermediate Algebra	3	25
2011-2012	Fall Spring Summer	University of South Florida	Science Education	Teaching Elementary School Science	3	60

## 11. Computer Experience

- MS Microsoft Office
  - Word
  - Excel
  - PowerPoint
- Quantitative Data Analysis
  - SPSS
  - SAS
- Qualitative Data Analysis
  - HyperResearch
- Inspiration

## 12. Conference Presentations

**Özalp, D.**, & Ayar, M. C. (submitted). Analyzing a newly developed science curriculum: What kind of environmentally literate citizen. Uluslararası Fen, Matematik, Girişimcilik ve Teknoloji Eğitimi Kongresi. 11-13 Nisan, İzmir.

**Özalp, D.**, & Ayar, M. C. (accepted). Dezavantajlı öğrencilere mühendislik eğitimi. Eğitimde İyi Örnekler Konferansı. 13 Nisan, İstanbul.

Aydın, G., Sarıbaş, D., **Özalp, D.**, & Yılmaz, Ş. (2018) Sosyo-bilimsel konuların öğretiminde öğretmen görüşleri. II. Ulusal Biyoloji Eğitimi Kongresi. 03-05 Temmuz, İstanbul.

**Ozalp D.**, & Feldman, A. (2015). Science teachers' understandings of science practices: The effects of an environmental engineering research experience. Paper presented at 2015 National Association Research in Science Teaching (NARST) Conference, April 11-14, Chicago, IL.

**Ozalp D.**, & Feldman, A. (2014). Science teachers' understandings of science practices in a summer Research Experiences for Teachers (RET) program. Poster presented at 6th Annual Graduate Student and Postdoctoral Research Symposium, March 17, Tampa, FL.

**Ozalp, D.**, Feldman, A., Chapman, A., Alshehri, F., & Vernaza-Hernandez, V. (2014). Science teachers' understandings of science practices before and after the participation in an environmental engineering Research Experiences for Teachers (RET) program. Poster was presented at 2014 National Association Research in Science Teaching (NARST) Conference, March 30-April 2, Pittsburg, PA.

Chapman, A., Feldman, A., Alshehri, F., **Ozalp, D.**, & Vernaza-Hernandez, V. (2014). Effects of an authentic science experience on the science identities of marginalized high school students. Paper presented at 2014 National Association Research in Science Teaching (NARST) Conference, March 30-April 2, Pittsburg, PA.

Benson, L C., Buxner, S., Carver, J. S., Feldman, A., **Ozalp, D.**, Keller, J., et all. (2014). Research experiences for teachers: Proposed relationships between elements of the experience and positive outcomes. Symposium was held at 2014 National Association Research in Science Teaching (NARST) Conference, March 30-April 2, Pittsburg, PA.

**Ozalp, D.**, Feldman, A., Chapman, A., Alshehri, F., & Vernaza-Hernandez, V. (2014). Science teachers' understandings of science practices in a summer Research Experiences for Teachers (RET)

program. Paper presented at 2014 Association for Science Teacher Education (ASTE) International Conference, January 9-12, San Antonio, TX.

Liebelt, M., Feldman, A., **Ozalp, D.**, Alshehri, F., Vernaza-Hernandez, V., & Chapman, A. (2014). The ability of students' in an undergraduate research experience to engage in the next generations' science standards' science practices: Implications for science teacher education. Paper presented at 2014 Association for Science Teacher Education (ASTE) International Conference, January 9-12, San Antonio, TX.

Chapman, A., Feldman, A., Alshehri, F., **Ozalp, D.**, & Vernaza-Hernandez, V. (2014). Effects of an authentic science experience on high school students' perceptions and learning of science practices. Paper presented at 2013 Association for Science Teacher Education (ASTE) International Conference, January 9-12, San Antonio, TX.

Cunningham, J., Sengupta, S., Ergas, S., Goel, R., **Ozalp, D.**, & Reed, T. (2013, **Best Paper Award**). Development of a Concept Inventory for Introductory Environmental Engineering Courses. Paper will be presented at 2013 American Society Engineering Education (ASEE) Conference, June 23-26, Atlanta, GA.

Vernaza-Hernández, V., Onac, B., Feldman, A., Chapman, A., **Ozalp, D.**, Alshehri, A., & Millán, J. C. (2013). Climate, sea level and caves: An authentic climate change research experience for middle and high school students at the Camuy Cave in Puerto Rico. Poster presented at 2013 CACCE Climate Change Symposium and Showcase for Educators, April 22, Tampa, FL.

Feldman, A., **Ozalp, D.**, Alshehri, F., Chapman, A., & Vernaza-Hernández, V. (2013). The impact of an REU and RET program on participants' scientific research skills. Poster presented at 2013 CACCE Climate Change Symposium and Showcase for Educators, April 22, Tampa, FL.

Vernaza-Hernández, V., Onac, B., Feldman, A., Chapman, A., **Ozalp, D.**, Alshehri, A., & Millán, J. C. (2013). Climate, sea level and caves: An authentic climate change research experience for middle and high school students at the Camuy Cave in Puerto Rico. Poster presented at 2013 The National Council for Accreditation of Teacher Education (NCATE) Conference, March, Tampa, FL.

Feldman, A., **Ozalp, D.**, Alshehri, F., Chapman, A., & Vernaza-Hernández, V. (2013). The impact of an REU and RET program on participants' scientific research skills. Poster presented at 2013 The National Council for Accreditation of Teacher Education (NCATE) Conference, March 1, Tampa, FL.

Feldman, A., **Ozalp, D.**, & Alshehri, F. (2013). The impact of an REU and RET program on participants' scientific research skills. Paper presented at 2013 National Association Research in Science Teaching (NARST) Conference, Puerto Rico.

Vernaza-Hernandez, V., Feldman, A., Onac, B., Chapman, A., **Ozalp, D.**, Alshehri, F., et al. (2013). An authentic climate change research experience for secondary students at the Camuy Cave, Puerto Rico. Paper presented at 2013 National Association for Research in Science Teaching (NARST) conference, April 6-9, Puerto Rico.

Vernaza-Hernandez, V., Feldman, A., Onac, B., Chapman, A., **Ozalp, D.**, Alshehri, F., et al. (2013). An authentic climate change research experience for secondary students at the Camuy Cave, Puerto



Rico. Paper presented at 2013 Association for Science Teacher Education (ASTE) International Conference, January 9-12, Charleston, SC.

Chapman, A., Feldman, A., Halfhide, T., Ergas, S., Alshehri, F., **Ozalp, D.**, & Vernaza - Hernandez, V. (2013). An investigation of an algal biofuel project as an authentic science experience for urban high school students. Paper presented at 2013 Association for Science Teacher Education (ASTE) International Conference, January 9-12, Charleston, SC.

Vernaza-Hernández, V., Feldman, A., Onac, B., Chapman, A., **Ozalp, D.**, Alshehri, F., & Millán, J.C. (2012). Integration of middle and high school students in an authentic climate change research experience at the Camuy Cave in Puerto Rico. Poster presented at the Research that Matters 2012 Annual Conference, March 2, Tampa, FL. (**The poster was received Second Place Doctoral Student Project Award**).

Feldman, A., Chapman, A., **Ozalp, D.**, Vernaza-Hernandez, V., Alshehri, F. (2012). The effects of middle school students' participation in a stormwater retention pond research activity on their understandings of science and environment, attitudes toward science, and use of technology. Paper presented at Florida Academy of Sciences Conference, March 12, Tampa, FL.

Vernaza-Hernández, V., Feldman, A., Onac, B., Chapman, A., **Ozalp, D.**, Alshehri, F., & Millán, J.C. (2012). Climate, Sea Level and Caves: An authentic climate change research experience for middle and high school students at the Camuy Cave in Puerto Rico. Poster presented at the Risk and Response Sea Level Rise Summit. June 21, Boca Ratón, FL.

Feldman, A., Ozalp, D. (2012). Learning to do research in a research experience for undergraduates (REU) program. Paper presented at the National Association for Research in Science Teaching (NARST) conference, March 25 - 28, Indianapolis, IN.

Feldman, A., Chapman, A., **Ozalp, D.**, Vernaza-Hernández, V., Alshehri, F. (2012). The effects of middle school students' participation in a stormwater retention pond research activity on their understandings of science and environment, attitudes toward science, and use of technology. Paper presented at 2012 Association for Science Teacher Education (ASTE), January 3-6, Clearwater, FL.

Feldman, A., **Ozalp, D.**, & Johnstone, S. (2011). Student learning in a research experience for undergraduates program. Paper presented at the National Association for Research in Science Teaching (NARST) conference, April 3-6, Orlando, FL.

**Ozalp, D.**, & Kahveci, A. (2010). Maddenin tanecikli yapısıyla ilgili tanılayıcı soruların geliştirilmesi ve kavram yanlışlarının ontoloji temelinde belirlenmesi [Development of diagnostic items in the subject of the particulate nature of matter and identification of misconceptions based on ontology]. 9th National Conference of Science and Math. Education, July 21-23, Izmir, Turkey.

**Ozalp, D.**, & Kahveci, A. (2009). Development and pilot testing of ontology-informed distracter-driven diagnostic instrument on the particulate nature of matter. Paper presented at the National Association for Research in Science Teaching (NARST) conference, April 17-21, Garden Grove, CA.

Kahveci, A., & **Ozalp, D.** (2009). Ontology-informed diagnostic assessment of middle and secondary students' understanding of the particulate nature of matter. Paper presented at the National Association for Research in Science Teaching (NARST) conference, April 17-21, Garden Grove, CA.

