

FILIZ DADASER-CELIK

CURRICULUM VITAE

CONTACT INFORMATION

Erciyes University
Faculty of Engineering
Department of Environmental Engineering
38039, Kayseri, TURKEY

+90(352)2076666 / 32804
fdadaser@erciyes.edu.tr
<http://cevre.erciyes.edu.tr/fcelik>

RESEARCH INTERESTS

Water Resource Management, Climate Change Impacts on Water Resources, Hydrologic and Climatic Data Analysis, Environmental Modeling, Hydrology, Applications of Remote Sensing in Environmental Research, Renewable Energy (particularly Biogas and Wind Energy)

EDUCATION

Ph.D., Water Resources Science, University of Minnesota, Minneapolis, MN, USA, 2008

Ph.D. Minor in Development Studies and Social Change

Thesis Title: Impact of Large-Scale Irrigation on a Closed-Basin Wetland: Water Flow Alterations and Participatory Irrigation Management Effects on the Sultan Marshes Ecosystem in Turkey

Advisors: Patrick L. Brezonik and Heinz G. Stefan

M.S., Department of Business Administration, Erciyes University, Kayseri, Turkey, 2002

Thesis Title: Participatory Environmental Management Plan for Tuzla (Palas) Lake (Kayseri, Turkey) Ecosystem

B.S., Department of Environmental Engineering, Middle East Technical University, Ankara, Turkey, 1999

EMPLOYMENT HISTORY

09/2014-present

Associate Professor

Dept. of Environmental Engineering, Erciyes University, Kayseri, Turkey

04/2009 – 09/2014

Assistant Professor

Dept. of Environmental Engineering, Erciyes University, Kayseri, Turkey

06/2007 - 07/2008 **Research Assistant**
St. Anthony Falls Laboratory, University of Minnesota, MN, US

01/2007 - 06/2007 **Teaching Assistant**
Dept of Civil Engineering, University of Minnesota, MN, US

01/2001 - 08/2002 **Research Assistant**
Dept of Environmental Engineering, Erciyes University, Kayseri, Turkey

AWARDS AND HONORS

- **Best Dissertation Award in Water Policy and Socioeconomics**
Universities Council on Water Resources, USA, 2009.
 - **Honorable Mention Award**
Sigma Xi Graduate Student Research Poster Competition, University of Minnesota, USA, 2006.
 - **Conference Travel Grant**
Water Resources Science Program and MacArthur Interdisciplinary Program on Global Change, Sustainability and Justice at the University of Minnesota, USA, 2006.
 - **International Dissertation Research Grant**
Graduate School at the University of Minnesota, USA, 2005.
 - **MacArthur Predissertation Grant**
MacArthur Interdisciplinary Program on Global Change, Sustainability and Justice at the University of Minnesota, USA, 2004.
 - **Conference Travel Grant**
Water Resources Science Program at the University of Minnesota, USA, 2002.
 - **Ph. D. Scholarship**
Turkish Council of Higher Education, Turkey, 2002-2006.
 - **MacArthur Fellowship**
MacArthur Interdisciplinary Program on Global Change, Sustainability and Justice at the University of Minnesota, USA, 2002-2003.
-

RESEARCH EXPERIENCE

Projects Funded by EU

- Task Group Leader. FREEWAT-FreeOpen Software Tools for Water Management. HORIZON 2020-WATER-4A-2014. 2015-present

Projects Funded by National Agencies

- **Principal Investigator.** Modeling Pollution Loads to Sultan Marshes from Non-Point Sources Using a SWAT Model and Development of Strategies for Prevention of Water Pollution. Funded by: Turkish Scientific and Technical Research Foundation (TUBITAK). 2015-present.
- **Researcher.** Development of Methodology for the Determination of Environmental Objectives for Surface, Coastal and Transitional Waters: Buyuk Menderes Basin Pilot Study. Funded by: Turkish Scientific and Technical Research Foundation (TUBITAK). Researcher. 2015-present.
- **Principal Investigator.** Investigation of Biogas Production from Food Wastes – Determination of Optimum Conditions. Funded by The Scientific and Technological Research Council of Turkey (TUBİTAK). 2012- 2014.
- **Researcher.** Investigating the Impacts of Hydrologic, Climatic and Land Cover/Use Changes in Konya Closed Basin Area on the Salt Lake and Determining Protective Management Strategies. Funded by The Scientific and Technological Research Council of Turkey (TUBİTAK), 2011-Present.
- **Principal Investigator.** Developing Data Mining Methods for the Association Analysis of Hydrologic and Climatic Parameters, Funded by The Scientific and Technological Research Council of Turkey (TUBİTAK). 2010-2013.
- **Researcher.** Determination of Ecosystem Characteristics of Erciyes Mountain and Evaluation of it according to Mountain Zone Management. Funded by The Scientific and Technological Research Council of Turkey (TUBİTAK). 2001-2002.

Projects Funded by University Funds

- **Principal Investigator.** Modeling Pollutant Loads to the Sultan Marshes with SWAT Model. Funded by: Erciyes University Research Foundation. 2016-present
- **Principal Investigator.** Trends in Low Flows in Turkey. Funded by: Erciyes University Research Foundation. 2016-present.
- **Researcher.** Determination and Mapping of THM Levels in Drinking Water in Kayseri. Supported by: Erciyes University Research Foundation. 2015-present.
- **Principal Investigator.** Investigation of Thermal and Chemical Pretreatment Effects on Biogas Production from Food Waste. Funded by: Erciyes University Research Foundation. Principal Investigator. 2015-continuing.
- **Principal Investigator.** Analysis and modeling of the Relationships between river water temperatures and meteorological parameters using artificial neural networks. Supported by: Erciyes University Research Foundation. 2015-2015.

- **Principal Investigator.** Estimation of Emissions from Area Sources in Kayseri. Funded by Erciyes University Research Fund. 2013-Present.
- **Principal Investigator.** Determination of Pollutant Transport from Agricultural Areas to Tuzla (Palas) Lake using SWAT Model. Funded by Erciyes University Research Fund. 2012-Present.
- **Principal Investigator.** Effects of Agricultural Activities on Water Quality of Tuzla (Palas) Lake and Identification of Strategies for Prevention of Water Pollution. Funded by Erciyes University Research Fund. 2012-Present.
- **Researcher.** Determination of Perceptions of 7th and 8th Grade Students about Environment using Fuzzy Cognitive Mapping Approach. Funded by Erciyes University Research Fund. 2012-Present.
- **Principal Investigator.** Investigation of Tuzla (Palas) Lake's Susceptibility to Climate Change. Funded by Erciyes University Research Fund. 2011-2012.
- **Principal Investigator.** Determination of Relationships between Hydrologic and Climatic Variables using Data Mining Techniques. Funded by Erciyes University Research Fund. 2009-2011.

Other Projects

- **Advisor.** Biogas Production from Food Waste under Thermophilic Conditions. Funded by The Scientific and Technological Research Council of Turkey (TUBİTAK) – National/International Research Project Support Program for University Students (Principal Investigator: Solmaz Garan). 2014-Present.
- **Advisor.** Biogas Production from Sugar Beet Pulp and Molasses. Funded by The Scientific and Technological Research Council of Turkey (TUBİTAK) – Industry Oriented Senior Project Support Program (Project Team: Elif Akpınar, Kubra Canak). 2013-Present.
- **Instructor.** Scientific Advising on Sustainable Development and Environmental Education for Science Teachers. Funded by The Scientific and Technological Research Council of Turkey (TUBİTAK). 2013.
- **Advisor.** Determination of Social, Economic and Environmental Effects of Yamula Dam using Cognitive Mapping Approach. Funded by The Scientific and Technological Research Council of Turkey (TUBİTAK) – National/International Research Project Support Program for University Students (Principal Investigator: Elif Akpınar). 2012-2013.
- **Instructor.** Outdoor Learning in Geography. Funded by The Scientific and Technological Research Council of Turkey (TUBİTAK). 2012.
- **Advisor.** Composing of Erciyes University Cafeteria Wastes. Funded by The Scientific and Technological Research Council of Turkey (TUBİTAK) – National/International Research Project Support Program for University Students (Project Team: Rifat Yıldırım, Emine İrbas). 2011-2012.

- **Instructor.** Mount Erciyes-Sultan Marshes National Park Nature School. Funded by The Scientific and Technological Research Council of Turkey (TUBİTAK). 2011.
- **Advisor.** Recyclable Solid Waste Inventory for Erciyes University. . Funded by The Scientific and Technological Research Council of Turkey (TUBİTAK) – National/International Research Project Support Program for University Students (Project Team: Emine Irbas). 2010-2011.
- **Instructor.** Mount Erciyes-Sultan Marshes National Park Nature School. Funded by The Scientific and Technological Research Council of Turkey (TUBİTAK). 2010.
- **Research Assistant.** Research Assistant. Impact of Climate Change on Water Resources and Fish Habitat Environmental and Natural Resources Trust Fund as recommended by the Legislative-Citizens Commission on Minnesota Resources (LCCMR), St. Paul, MN, USA. 2007-2008.

TEACHING EXPERIENCE

Courses Taught

Erciyes University, Kayseri, Turkey

Undergraduate

- | | |
|---|---|
| • Introduction to Environmental Engineering | Fall 2013, Fall 2012, Fall 2011, Fall 2010, Fall 2009 |
| • Hydrology | Fall 2017, Fall 2016, Fall 2015, Fall 2015, Fall 2014, Fall 2012, Fall 2011, Fall 2010, Fall 2009 |
| • Environmental Modeling | Spring 2017, Spring 2016, Spring 2015, Spring 2015, Spring 2014, Spring 2012, Spring 2011, Spring 2010, Spring 2009 |
| • Solid and Hazardous Waste Management | Spring 2012 |
| • Air Pollution and Control | Fall 2017, Fall 2016, Fall 2015, Fall 2015, Fall 2014, Fall 2012 |
| • Remote Sensing | Fall 2010, Spring 2009 |
| • Environmental Economics | Fall 2009 |

Graduate

- | | |
|--|--|
| • Analysis and Modeling of Environmental Systems | Fall 2013, Fall 2013, Fall 2011, Fall 2010 |
|--|--|

- Surface Water Quality Modeling

Spring 2012, Spring 2011, Spring 2010

Teaching Assistant

University of Minnesota, Minneapolis, MN, US

- Hydrologic Design

Fall 2007

PUBLICATIONS

Book Chapter

1. Ekercin, S., Sertel, E., Dadaser-Celik, F., Durduran, S.S., "Investigating the Climate Change Impacts on the Water Resources of the Konya Closed Basin Area (Turkey) Using Satellite Remote Sensing Data", Book Chapter-9, Dincer, I., Colpan, C.O., Kadioglu, F. (eds.), Causes, Impacts and Solutions to Global Warming, Springer Science+Business Media, New York, 2013.

Journal Articles

1. **Dadaser-Celik F.** Azgin S.T., Yıldız Y.S., "Optimization of Solid Content, Carbon/Nitrogen Ratio and Food/Inoculum Ratio for Biogas Production from Food Waste", Waste Management & Research, 2016.
2. **Dadaser-Celik F.**, Cengiz E., Guzel, O., "Trends in reference evapotranspiration in Turkey: 1975–2006". International Journal of Climatology, 34(6): 1913-1927, 2016.
3. Azgin S.T., **Dadaser-Celik F.**, "Spatial and Temporal Changes at Tuzla (Palas) Lake in Turkey". Journal of Water and Climate Change, 6(4): 787-799, 2015.
4. Orhan O., Ekercin S., **Dadaser-Celik F.**, "Use of Landsat Land Surface Temperature and Vegetation Indices for Monitoring Drought in the Salt Lake Basin Area, Turkey". The Scientific World Journal, 142939, 2014.
5. **Dadaser-Celik, F.**, Cengiz, E., "Wind Speed Trends over Turkey from 1975 to 2006", International Journal of Climatology, 2014.
6. Çelik, M., **Dadaşer-Çelik, F.**, Dokuz, A.Ş., "Discovery of Hydro-Meteorological Patterns", Turkish Journal of Electrical Engineering & Computer Science, 2014.
7. Orhan, O., Ekercin, S., **Dadaser-Celik, F.**, "Use of Landsat land surface temperature and vegetation index products for monitoring drought in Salt Lake Basin Area, Turkey", Scientific World Journal, Article ID 142939, 2014.
8. **Dadaser-Celik, F.**, Cengiz, E., "A Neural Network Model for Simulation of Water Levels at the Sultan Marshes Wetland in Turkey", Wetlands Ecology and Management, 21 (5), 297-306 pp., 2013.

9. **Dadaser-Celik, F.**, Celik, M., Dokuz, A.S., "Associations Between Stream Flow and Climatic Parameters at Kızılırmak River Basin in Turkey", *Global Nest Journal*, 14, 354-361 pp., 2012.
10. Tuncay, F. **Dadaşer-Çelik, F.**, "Evaluation of Cleaner Production Opportunities in a Chrome-Nickel Plating Plant", *Çevre, Bilim ve Teknoloji*, 3(4), 247-259 pp., 2012. (in Turkish)
11. Irbaş, E., Yılmaz, M.A., Ardahanlılar, A., Eroğlu, E., **Dadaşer-Çelik, F.**, "Recyclable Solid Waste Inventory For Erciyes University Central Campus", *Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi*, 28(2), 102-109 pp., 2012. (in Turkish)
12. **Dadaşer Çelik, F.**, Kırmacı, H.K., "Trends in Sulfurdioxide and Particulate Matter Levels In Kayseri (Turkey): 1990-2007", *Ekoloji*, 20 (79), 83-92 pp., 2011. (in Turkish)
13. **Dadaser-Celik, F.**, Coggins, J.S., Brezonik, P.L., Stefan, H.G., "The Projected Costs and Benefits of Water Diversion from and to the Sultan Marshes (Turkey)", *Ecological Economics*, 68(5), 1496-1506 pp., 2009.
14. **Dadaser-Celik, F.**, Bauer, M.E., Brezonik, P.L., Stefan, H.G., "Changes in the Sultan Marshes Ecosystem (Turkey) in Satellite Images 1980 – 2003", *Wetlands*, 28 (3), 852-865 pp., 2008.
15. **Dadaser-Celik, F.**, Brezonik, P.L., Stefan, H.G., "Agricultural and Environmental Changes After Irrigation Management Transfer in the Develi Basin, Turkey", *Irrigation and Drainage Systems*, 22, 47-66 pp., 2008.
16. **Dadaser-Celik, F.**, Brezonik, P.L., Stefan, H.G., "Hydrologic Sustainability of the Sultan Marshes in Turkey", *Water International*, 32(5), 856-876 pp., 2007.
17. **Dadaser-Celik, F.**, Stefan, H.G., Brezonik, P.L., "Dynamic Hydrologic Model of the Örtülüakkar Marsh in Turkey", *Wetlands*, 26 (4), 1089-1102 pp., 2006.

Refereed Conference Papers

1. **Dadaser-Celik F.**, Azgin Ş.T., Amiri, A., Çelik M., "Evaluation of Surface and Groundwater Flows to the Tuzla (Palas) Lake Using Simulation Models", *Applied Science 2017*, 26-27 May 2017, İstanbul, Turkey.
2. **Dadaser-Celik F.**, Çelik M., Azgin Ş.T., "Groundwater Modelling in Agricultural Basins with FREEWAT Modelling Environment: Palas Basin Case Study", *International Conference on Agriculture, Forest, Food Sciences and Technologies*, 15-17 May 2017, Nevşehir, Turkey.
3. Peker B. , Azgin Ş.T., **Dadaser-Celik F.**, "Water Quality Assessment of Sultan Marsh in the Central Anatolia Region, Turkey", *Ecology 2017*, 11-13 May 2017, Kayseri, Turkey.
4. Jouma N., **Dadaser-Celik F.**, "Spatiotemporal Changes at the Sultan Marshes Ecosystem (Turkey) from 1987 to 2013", *Ecology 2017*, 11-13 May 2017, Kayseri, Turkey.
5. Cengiz E., Amiri A.M., **Dadaser-Celik F.**, "Changes in Water Budget of a Playa Lake in Semi-Arid Turkey: Tuzla (Palas) Lake", *Ecology 2017*, 11-13 May 2017, Kayseri, Turkey.

6. **Dadaser-Celik F.**, Çelik M., Azgin Ş.T., "Participatory Approach to Groundwater Modeling with FREEWAT at the Palas Basin in Turkey", International Conference on Civil and Environmental Engineering (ICOCEE), 8-10 May 2017, Nevsehir, Turkey.
7. Amiri A.M., Azgin Ş.T., **Dadaser-Celik F.**, "Calibration and Validation of a SWAT model for Palas Basin (Kayseri) using SUFI2 Algorithm", International Conference on Civil and Environmental Engineering (ICOCEE), 8-10 May 2017, Nevsehir, Turkey.
8. Jouma N., **Dadaser-Celik F.**, "Hydrological Modeling of the Develi Basin using SWAT", International Conference on Civil and Environmental Engineering (ICOCEE), 8-10 May 2017, Nevsehir, Turkey.
9. Jouma N., **Dadaser-Celik F.**, "Land Use/Cover Change Detection At Sultan Marshes And Its Watershed Using Landsat Images", UZAL-CBS 2016, 5-7 October 2016, Adana, Turkey. (in Turkish)
10. Azgin Ş.T., **Dadaser-Celik F.**, "Water Quality Assessment of Saline Lake Tuzla/Palas In The Central Anatolia Region, Turkey", The 9'th International Conference on Sustainable Energy and Environmental Protection conference, 22-25 September 2016, Kayseri, Turkey.
11. Garan S., **Dadaser-Celik F.**, "Effect of Thermal and Chemical Pretreatment on Biogas Production from Municipal Solid Waste", 9th International Conference on Sustainable Energy and Environmental Protection, 22-25 September 2016, Kayseri, Turkey.
12. Ucar R., **Dadaşer Çelik F.**, "Effect of Solid Content on Biogas Production from Chicken Manure", 9th International Conference on Sustainable Energy and Environmental Protection, 22-25 September 2016, Kayseri, Turkey.
13. Temizyürek M., **Dadaser-Celik F.** "Modeling the Relationships between Water Temperatures and Meteorological Parameters at Kızılırmak River using Artificial Neural Networks", International Conference on Civil and Environmental Engineering, 20-23 May 2014, Nevsehir, Turkey.
14. •Azgın Ş.T., **Dadaser-Celik F.** "Response of Tuzla Lake Ecosystem in Turkey to Irrigation and Climate Variability". 6th IAHS-EGU International Symposium on Integrated Water Resources Management, 4-6 June 2014, Bologna, Italy.
15. Ekercin S., **Dadaşer Çelik F.**, Orhan O., Özdoğan G., "Tuz Gölü Alt Havzasında Landsat-5 Tm Verileri Ile Kuraklık İndekslerinin Oluşturulması ve Zamansal Değişim Analizi", 14.Türkiye Harita Bilimsel ve Teknik Kurultayı, 14-17 May 2013, Ankara, Turkey. (In Turkish)
16. **Dadaşer Çelik F.**, Ekercin S. , Özdoğan G., Orhan O., "Konya Kapalı Havzası'Nda İklimsel Değişimler Ve Tuz Gölü Üzerindeki Etkileri, 14-17.Mayıs.2013.", 14.Türkiye Harita Bilimsel ve Teknik Kurultayı, 14-17 May 2013, Ankara, Turkey. (In Turkish)
17. •Apaydın D., **Dadaser-Celik F.** "Inventory of Emissions from Area Sources in Kayseri, Turkey". 2nd International Conference on Environmental Science and Technology, Abstract Book, 14-17 May 2014, p. 225, Antalya, Turkey.

18. Cengiz, E., Azgin, S.T., **Dadaser-Celik, F.**, “Modeling Water Levels at Tuzla (Palas) Lake in Turkey Using Artificial Neural Networks”, International Conference on Environmental Science and Technology, 18-20 June 2013, Nevşehir, Turkey.
19. Özdoğan, G., **Dadaşer-Çelik, F.**, “Investigation of Sulfur Dioxide and Particulate Matter Levels in Kayseri, Turkey from 2008 to 2012”, International Conference on Environmental Science and Technology, 18-20 June 2013, Nevşehir, Turkey.
20. Ekercin, S., **Dadaşer-Çelik, F.**, Orhan, O., Özdoğan, G., “Estimation of Drought Indices from Landsat-5 TM Data for Salt Lake Basin and Temporal Change Analysis”, 14. Türkiye Harita Bilimsel ve Teknik Kurultayı, 14-17 May 2013, Ankara, Turkey. (in Turkish)
21. **Dadaşer-Çelik, F.**, Ekercin, S., Özdoğan, G., Orhan O. “Climatic Changes at Konya Closed Basin ve Impacts on Tuz lake”, 14. Türkiye Harita Bilimsel ve Teknik Kurultayı, 14-17 May 2013, Ankara, Turkey. (in Turkish)
22. **Dadaser-Celik, F.**, Azgin, S.T., “Monitoring Water Extent Changes at Tuzla (Palas) Lake in Turkey Using Multitemporal Landsat Imagery”, IPWE 2013-6th International Perspective on Water Resources & Environment, 7-9 January 2013, İzmir, Turkey.
23. Yıldırım, R., Irbaş, E., **Dadaşer-Çelik, F.**, “Composting of Erciyes University Cafeteria Wastes”, UKAY 2012-4. Ulusal Katı Atık Kongresi, 17-20 October 2012, Antalya, Turkey. (in Turkish)
24. Çelik, M., **Dadaşer-Çelik, F.**, Kömüşçü, A., Arslan, M., Dokuz A., “Identification of Sequential Association Rules Between Precipitation and Climate Indices”, AYSU 2012-Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu, 134-138 pp., 3-4 July 2012, Trabzon, Turkey. (in Turkish)
25. Cengiz, E., **Dadaser-Celik, F.**, “Hydrological Changes at Tuzla (Palas) Lake in Turkey”, BALWOIS 2012-5. International Conference on Water, Climate, & Environment, 28 May-2 June 2012, Ohrid, Macedonia.
26. **Dadaser-Celik, F.**, Cengiz, E., “Correlations of Stream Flow and Climatic Variables in Turkey”, BALWOIS 2012-5. International Conference on Water, Climate, & Environment, 28 May-2 June 2012, Ohrid, Macedonia.
27. Ekercin, S., Sertel, E., **Dadaser Celik, F.**, Durduran, S., Ağca, M., “Investigating the Climate Change Impacts on the Water Resources of the Konya Closed Basin Area (Turkey) Using Satellite Remote Sensing Data”, Global Conference on Global Warming, 8-12 July 2012, İstanbul, Turkey
28. Irbaş, E., **Dadaşer-Çelik, F.**, “Comparision of Leachate from Solid Waste Disposal Processes”, ÇESKO 2012–Üniversite Öğrencileri IV. Çevre Sorunları Kongresi, 210-216 pp., 7-9 May 2012, İstanbul, Turkey. (in Turkish)
29. **Dadaser-Celik, F.**, Celik, M., Dokuz, A.S., “Associations of Stream Flow and Climatic Parameters at Kızılırmak River Basin in Turkey”, CEST 2011–12th International Conference on Science and Technology, A367-A374 pp., 8-10 September 2011, Rhodes, Greece.

30. Tuncay, F., **Dadaşer-Çelik, F.**, "Evaluation of Cleaner Production Opportunities in a Chrome-Nickel Plating Plant", 9. Ulusal Çevre Mühendisliği Kongresi, CD ROM pp., 5-8 October 2011, Samsun, Turkey. (in Turkish)
31. **Dadaşer Çelik, F.**, "Modeling the Relationships between Water Levels and Climatic Factors at Sultan Marshes using artificial Neural Networks", 2. Türkiye Sulak Alanlar Kongresi, 72-78 pp., 22-24 June 2011, Kırşehir, Turkey. (in Turkish)
32. Irbaş, E., Yılmaz, M.A., Ardahanlılar, A., Eroğlu, E., **Dadaşer-Çelik, F.**, "Characterization of Recyclable Solid Wastes in University Campuses: Erciyes University Case Study", ÇESKO 2011-Üniversite Öğrencileri IV. Çevre Sorunları Kongresi, 53-57 pp., 5-6 May 2011, İstanbul, Turkey. (in Turkish)
33. Çelik, M., **Dadaşer-Çelik, F.**, Dokuz, A.Ş., "Anomaly Detection in Temperature Data using DBSCAN Algorithm" INISTA 2011-International Symposium on Innovations in Intelligent Systems and Applications, 91-95 pp., 15-18 June 2011, İstanbul, Turkey.
34. **Dadaşer-Çelik, F.**, Cengiz, E., "Homogeneity of Turkish Meteorological Data", ATMOS 2011-5. Atmospheric Science Symposium, 601-609 pp., 27-29 April 2011, İstanbul, Turkey. (in Turkish)
35. **Dadaşer Çelik, F.**, "Environmental Effects of Large-Scale Irrigation Projects: Develi Basin (Kayseri) Case Study", 8. Ulusal Çevre Mühendisliği Kongresi, 137-147 pp., 12-14 November 2009, Antalya, Turkey. (in Turkish)
36. **Dadaşer Çelik, F.**, "Evaluation of Economic Value of Wetlands: Sultan Marshes Case Study", 9. Ulusal Ekoloji ve Çevre Kongresi, 19 pp., 7-10 October 2009, Nevşehir, Turkey. (in Turkish)
37. **Dadaşer-Çelik, F.**, "Hydrologic Changes at Sultan Marshes", Sulak Alanlar Konferansı, 170-181 pp., 10-12 July 2008, Kayseri, Turkey. (in Turkish)
38. **Dadaser-Celik, F.**, Brezonik, P.L., Stefan, H.G., "Irrigation-Induced Changes in the Sultan Marshes Ecosystem in Turkey", Annual Water Resources Conference of American Water Resources Association, 5-7 October 2006, Baltimore, Maryland, USA.
39. **Dadaşer-Çelik, F.**, Brezonik, P.L., Stefan, H.G., "Hydrologic, Social, and Economic Aspects of Conservation of the Sultan Marshes Ecosystem in Turkey", Sigma Xi Graduate Student Research Poster Exhibit, 27 March 2006, Minneapolis, Minnesota, USA, 2006.
40. **Dadaser, F.** and Özesmi, U., "The Use of Fuzzy Cognitive Mapping for Stakeholder Involvement in Environmental Policy-Making At Sultan Marshes – Turkey", 17th Annual Meeting of the Society for Conservation Biology, 35 pp., 29 June-2 July 2003, Duluth, Minnesota, USA.
41. **Dadaşer, F.**, Özesmi, U., "Stakeholder analysis for Sultan Marshes ecosystem: Fuzzy cognitive mapping approach for conservation of ecosystems", Environmental Problems of the Mediterranean Region Conference, 242 pp., 12-15 April 2002, Lefkoşe, Cyprus.
42. **Dadaşer, F.**, Özesmi, U., "Participatory Management Plan Strategy for Tuzla Lake

Ecosystem: Fuzzy Cognitive Mapping Approach”, 4. Ulusal Çevre Mühendisliği Kongresi, 10-15 pp., 7-10 November 2001, İçel, Turkey. (in Turkish)

Technical Reports

1. **Dadaser-Celik, F.**, Stefan, H.G., Streamflow Response to Climate in Minnesota, University of Minnesota, St. Anthony Falls Laboratory, Report No: 510, Minneapolis, Minnesota, USA, 2008.
2. **Dadaser-Celik, F.**, Stefan, H.G., Lake Evaporation Response to Climate in Minnesota, University of Minnesota, St. Anthony Falls Laboratory, Report No: 506, Minneapolis, Minnesota, USA, 2008.
3. **Dadaser-Celik, F.**, Stefan, H.G., Lake Level Response to Climate in Minnesota, University of Minnesota, St. Anthony Falls Laboratory, Report No: 502, Minneapolis, Minnesota, USA, 2007.

THESIS SUPERVISOR

Doctoral Thesis Supervisor

- Şükrü Taner AZGIN, Erciyes University, 2015
Determination of Land Cover Changes at the Palas Plain and Modeling of Non-point Source Pollutant Loads with SWAT
- Nada JOUMA, (Fall 2012–Present, Erciyes University)
Determination of Pollutant Transport from Agricultural Areas to Sultan Marshes using SWAT Model

Master’s Thesis Supervisor

- Feyzi TUNCAY, Erciyes University, 2011
Evaluation of Cleaner Production Opportunities in Chrome-Nickel Plating Plant
- Eda CENGİZ Erciyes University, 2012
Investigation of Tuzla (Palas) Lake’s Susceptibility to Climate Change
- Ahmet Şakir DOKUZ, Erciyes University, 2013 (co-supervisor: Mete Celik)
Mining Hydro-meteorological Patterns in Hydrologic and Meteorological Databases
- Dilşad APAYDIN, Erciyes University, 2014
Estimation of Emissions from Area Sources in Kayseri
- Merve TEMİZYÜREK, Erciyes University, 2015
Modeling the Relationships Between Water Temperatures and Climatic Variables at Kızılırmak River Basin
- Gülhan ÖZDOĞAN, Erciyes University, 2015 (co-supervisor: Semih Ekercin)

Investigation of Surface Water Temperature Changes at Tuzla (Palas) Lake using Remote Sensing Techniques

- Sibel SAYGI, Erciyes University, 2015
Determination of Spatial and Temporal Changes at Engir Lake (Kayseri) Using Remote Sensing Techniques
 - Solmaz GARAN, Erciyes University, 2015
Investigation of the Effects of Thermal And Chemical Pretreatments on Biogas Production From Food Wastes
 - Özge GÜZEL ŞAHAN, Erciyes University, 2017
Trends in Magnitude and Timing of Low Flows in Turkey
 - Emine IRBAŞ (Fall 2012–Present, Erciyes University)
Life Cycle Assessment of Municipal Solid Waste Management in Kayseri
 - Azize AKSU (Fall 2011–Present, Erciyes University) (co-supervisor: Fisun Aksit)
Determination of Perceptions of 7th and 8th Grade Students about Environment using Fuzzy Cognitive Mapping Approach
-

PROFESSIONAL ACTIVITIES

Referee Experiences

- International Journal of Climatology
- Catena
- Journal of Environmental Management
- Environmental Monitoring and Assessment
- Ecological Economics
- Water Resources Management
- Irrigation and Drainage
- Clean-Soil, Air, Water
- Environmental Progress and Sustainable Energy
- Journal of Coastal Research

Society Affiliations

- International Association for Hydrological Sciences
- Society of Wetland Scientists