



**TAFEM**  
R&D AND INNOVATION

CENTRAL FISHERIES RESEARCH INSTITUTE  
SUMAE / TRABZON

## DİLEK FİDAN

### Head of Environmental and Resource Management

#### EDUCATION

- PhD**  
2021-current      Recep Tayyip Erdoğan University  
                         Department of Aquaculture Basic Sciences
- MSc**  
2009-2011      Karadeniz Technical University  
                         Department of Environmental Sciences
- Bachelor's Degree**  
1997-2001      Atatürk University  
                         Department of Chemical Engineering
- LANGUAGE**      English YÖKDİL 83.75

#### ABOUT ME

She worked as a project leader and researcher in various projects at the institute where she started working in 2006.

In addition, she has been the head of the Department of Environmental and Resource Management since 2013.

She is still continuing her PhD studies in the Department of Marine Biology at Recep Tayyip Erdogan University.

#### CAREER

- 2013-current      Head of Department, SUMAE - TRABZON
- 2006-2013      Researcher, SUMAE - TRABZON
- 2004-2006      Production Manager, Private Sector - Trabzon

#### CONTACT

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# DİLEK FİDAN

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### ■ **PROJECTS**

#### ■ **Projects Conducted**

1. TÜBİTAK 1007- Determination of Marine Ecosystem Impacts of Aquaculture Breeding Business - Researcher (2007-2010)
2. TAGEM- Introduction of the Black Sea Trout (*Salmo trutta labrax*) to Private Sector - Researcher (2007-2009)
3. TAGEM- Development of Turbot Aquaculture (*Psetta maxima*)Techniques - Researcher (2007-2010)
4. TAGEM- The Determination of Nutritional Requiraments in Black Sea Trout (*Salmo trutta labrax*) - Researcher (2011-2013)
5. TAGEM - Development and Farming of Protection Strategy of Sturgeon – Researcher (2011-2013)
6. TAGEM- Determination of Terrestrial Pollution Effect to Coastal and Marine Ecosystem in Eastern Black Sea- Project Leader (2012-2014)
7. TÜBİTAK 4004 - To Know And Protect Our Seas– III- The Scientific and Technological Research Council of Turkey ,Nature Education and Science Schools Project- Educator (2014)
8. TÜBİTAK 4004 - To Know And Protect Our Seas– IV- The Scientific and Technological Research Council of Turkey ,Nature Education and Science Schools Project- Educator (2015)
9. TÜBİTAK 1007-Acoustic Method for Determination of Black Sea Anchovy Stocks and Continuous Monitoring Model Generation – Researcher (2013-2015)
10. TÜBİTAK 3501- Determination of Phytoplankton Length Group's Seasonals Effects on Primary Production - Researcher (2014-2016)
11. TÜBİTAK 1001- Role of micro zooplankton in the Southeast Black Sea planktonic food chain - Researcher (2015-2017)
12. AB-Intelligent Oceanographically-Based Short-Term Fishery Forecasting Applications (GOFORIT)- Researcher (2015-2018)
13. TAGEM- Determination of Aquaculture Carrying Capacity in Inland Waters (Guided Project) (2020-2021)

#### ■ **Ongoing Projects**

1. TAGEM- Determination of Terrestrial Pollution Effect to Coastal and Marine Ecosystem in Eastern Black Sea- Project Leader (2014-monitoring)
2. PRIVATE SECTOR- Çayeli Copper Corporation, Büyükdere Monitoring Project, Project Leader (2007-monitoring)
3. TAGEM- Determination of Potential Aquaculture Cultivation Areas in Seas-Researcher (2017-2022)
4. TAGEM- Development of Sturgeon Aquaculture Techniques - Researcher (2018-2024 )
5. EU-H2020 - Advancing Black Sea Research and Innovation to Co-Develop Blue Growth within Resilient Ecosystems Project (BRIDGE-BS) - Researcher (2021-2026)
6. TÜBİTAK 1001-Investigation of the Seasonal Effects of CO<sub>2</sub> Enrichment and Temperature Changes on Phytoplankton Primary Production in the South Eastern Black Sea Region - Researcher (2021-)



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7. BAP Project-South East Black Sea Coasts (Rize) Hydrographic and Ecological Characteristics Monitoring Program-Researcher (2021-)

- **PUBLICATIONS**

- **INTERNATIONAL ARTICLES AND PAPERS**

- **Articles Published in International Indexed Journals (SCI, SCI-Expanded )**

Alkan, A., Serdar, S., **Fidan, D.**, Akbaş, U., Zengin, B., and Kılıç, M.B. (2013). Physico-chemical characteristics and nutrient levels of the eastern Black Sea rivers. Turkish Journal of Fisheries and Aquatic Sciences, DOI: 10.4194/1303-2712-v13\_5\_09

Ağırbaş, E., Şahin, A., Aytan, U., Koral, S., **Fidan, D.**, (2017). Seasonal Changes in Phytoplankton Size Classes (PSC) Derived from HPLC Pigment Data along the South-Eastern Black Sea, Turkish Journal of Fisheries and Aquatic Sciences, DOI : 10.4194/1303-2712-v17\_6\_39

Kılıç, M.B., Alkan, A., **Fidan, D.**, Zengin, B., and Kalıپçı, Ö. (2018) Investigation of Discharge Levels of Dissolved Inorganic Nutrients from Yesilirmak River to the Black Sea. Journal of Environmental Protection and Ecology 19, No 2, 547-557.

### **Articles Published in Other International Journals**

Massa, F., Aydin, I., Fezzardi, D., Akbulut, B., Atanasoff, A., Beken, A.T., Bekh, V., Buhlak, Y., Burlachenko, I., Can, E., Carboni, S., Caruso, F., Dagtekin, M., Demianenko, K., Deniz, H., **Fidan, D.**, Fourdain, L., Frederiksen, M., Guchmanidze, A., Hamza, H., Harvey, J., Nenciu, M., Nikolov, G., Niňă, V., Özdemir, M.D., Petrova-Pavlova, E., Platon, C., Popescu, G., Rad, F., Seyhaneyildiz Can, Š., Theodorou, J.A., Thomas, B., Tonachella, N., Tribilustova, E., Yakhontova, I., Yesilsu, A.F., Yücel-Gier, G. (2021). Black Sea Aquaculture: Legacy, Challenges & Future Opportunities. *Aquaculture Studies*, 21, 181- 220.  
[https://doi.org/10.4194/2618-6381-v21\\_4\\_05](https://doi.org/10.4194/2618-6381-v21_4_05)

- **International Papers, Seminars, etc.**

Alkan, A., **Fidan, D** and Serdar, S. 2013. The Winter Nutrient Profile Of Oxid/Anoxic Interface Layer In The Southeastern Black Sea Water Column. Rapp. Comm. Int. Mer Médit., 40, Marseille (oral).

**Fidan, D.**, Alkan, A., Zengin, B., Serdar, S., 2014 Monitoring the impacts of cage fish farm on water quality located in the coastal areas of Yomra- Trabzon, FABA Symposium, 2014, Erzurum,Turkey (oral).

Akbulut, B., **Fidan, D.**, 2015. Assessment of Environmental Effect of Sea Cage Fish Farms in the Black Sea. Regional Workshop on Black Sea Marine Ecosystems and Fisheries, 18-20 November 2015, Trabzon, Turkey (oral).

Gözler, A.M., Başçınar, N.S., **Fidan, D.**, (2017). Invertebrates Fauna of River Discharge Area in the Southeastern Black Sea during Summer, Ecology Symposium, Kayseri, Turkey (oral).



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Kılıç, M.B., Alkan, A., **Fidan, D.**, Zengin, B., Kalıpçı, Ö., (2017). Investigation of The Discharge Levels of Dissolved Inorganic Nutrients From Yeşilırmak River to The Black Sea, Protection of The Black Sea Ecosystem and The Sustainable Management of Maritime Activities (Promare), Costanta , Romania (oral).

**Fidan, D.**, Zengin, B., Kalıpçı, Ö., Akbaş, U., Kılıç, M.B. 2015. Seasonal Distributions of Nutrients at South Black Sea (Trabzon-Değirmendere). MACODESU Sea and Coastal Development in the frame of Sustainability, 18-20 September 2015 Trabzon, Türkiye (poster) .

- **NATIONAL ARTICLES AND PAPERS**

- **Articles Published in National Journals**

Alkan, A., Serdar, S., **Fidan, D.**, 2008. Kirlilik ve Karadeniz. SUMAE Yunus Araştırma Bülteni, 8:1, Mart 2008

**Fidan, D.**, Laboratuar Akreditasyonu. SUMAE Yunus Araştırma Bülteni, 10:3, Eylül 2010

- **International Papers, Seminars, etc.**

Fidan, D., Alkan, A., Zengin, B., Serdar, S., 2013. Kafes Balığı Yetiştiriciliği Kıyısal Alanında TRIX İndeksi, Balıkçılık ve Akuatik Bilimler Sempozyumu (FABA), Atatürk Üniversitesi, Erzurum.

Alkan, A., Serdar, S., Fidan, D., Akbaş, U., Zengin, B., Kılıç, M. B. 2013. Doğu Karadeniz Akarsularının Besin Elementi Düzeyleri, 30 Mayıs-01 Haziran 2013, Balıkçılık ve Akuatik Bilimler Sempozyumu (FABA), Atatürk Üniversitesi, Erzurum.

Alkan, A., Fidan, D., Serdar, S., Akbaş, U., Zengin, B., Kılıç, M. B. 2013. Rize-Fırtına Deresi Su Kalitesinin Aylık Değişimlerinin Belirlenmesi, 26-27 Nisan 2013, Fırtına Vadisi Sempozyumu, Doğa Koruma ve Milli Parklar Genel Müdürlüğü, Rize.

- **OTHER PUBLICATIONS**

- **Ph.D. Thesis, Master Thesis, Reports, Books etc.**

Master Thesis : **Fidan, D.**, 2011. Evaluation of TRIX Index in the Coastal Area of the Eastern Black Sea Region where Cage Fish Breeding, Karadeniz Technical University, Institute of Science, Department of Environmental Sciences.

Project Final Report: **Fidan, D.**, Zengin, B., Akbaş, U., Kılıç, M.B., Başçınar, N.S., Alkan, A., Feyzioğlu, A.M., Alkan, N., Yıldız Kurt, İ., ve Gözler, A.M., 2017. Determination of the Effects of Terrestrial Pollutants on Coastal and Marine Ecosystem in the Eastern Black Sea Region Project Final Report, TAGEM/HAYSÜD/12/11/02/01, 170 S.

Project Final Report: **Fidan, D.**, Zengin, B., Kılıç, M.B., Başçınar, S.N., Kalıpçı, Ö., Gözler, A.M. ve Ağırbaş, E. 2019. Determination of the Effects of Terrestrial Pollutants on Coastal and Marine Ecosystem in the Eastern Black Sea Region Project Final Report, TAGEM/HAYSÜD/12/11/02/01, 170 S.



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Project Final Report: **Fidan, D.**, Çakmak, E., Özel, O., Kalıpçı, Ö., Altınbaş, M., Yavuz, M., Çalışkan, D., Çankırılıgil, E.C., Özdemir, M.D., Saler, Serap., Pala, G. Ve Bulut, Hilal. (2021). Estimation of Deriner Dam Reservoir Carrying Capacity; Application of Phosphorus Mass Balance Model, Risks and Uncertainties, Project Final Report, 75 P.

- **Membership, Training, Course, Meeting, Congress, Symposium and Other Activities**

### Trainings

| Name of Training   | Starting Date | Date of Completion | Training Unit |
|--|---------------|--------------------|---------------|
| ISO 9001:2000 Basic Training   | 26.07.2004    | 26.07.2004         | KOSGEB        |
| ISO 9001:2000 Documentation  | 27.07.2004    | 28.07.2004         | KOSGEB        |
| Process Management   | 29.07.2004    | 30.07.2004         | KOSGEB        |
| Internal Quality Inspection  | 25.04.2007    | 27.04.2007         | TSE           |
| TS EN ISO/IEC 17025:2010 “Technical Requirements for the Adequacy of Test and Calibration Laboratories”          | 10.10.2010    | 10.10.2010         | SART          |
| Method Validation and Calculation of Measurement Uncertainty   | 12.10.2010    | 15.10.2010         | SART          |
| TS EN ISO/IEC 17025:2010 “Method Validation, Calculation of Measurement Uncertainty-Theory and Practice Training | 12.10.2010    | 15.10.2010         | SART          |
| EU Grant Funds and Project Cycle Management  | 10.03.2013    | 14.03.2013         | TCD Company   |
| R Statistical Software Program   | 10.03.2014    | 21.03.2014         | DOKA          |

### Social Networks

Google Scholar : <https://scholar.google.com/citations?user=bnesex0AAAAJ&hl=tr>



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