



**TAGEM**  
R&D AND INNOVATION

SOIL FERTILIZER AND WATER RESOURCES  
CENTRAL RESEARCH INSTITUTE / ANKARA

## Eser BORA, MSc Meteorological Engineer

### EDUCATION

- PhD**  
2020- Ankara University  
Graduate School of Natural and Applied Sciences
- MSc**  
2013-2016 Dokuz Eylul University  
Graduate School of Natural and Applied Sciences / Civil Engineering
- Bachelor's Degree**  
2005-2010 Istanbul Technical University  
Meteorological Engineering

**LANGUAGE** YDS Exam: 80/100

### CAREER


- 2019-** Researcher, Soil Fertilizer and Water Resources  
Central Research Institute/ Expert
- 2015-2019** General Directorate of Water Management  
/Expert
- 2012-2015** International training Research and Training  
Center-İZMİR / Engineer

### ABOUT ME


He graduated from Istanbul Technical University, Meteorological Engineering Program.

He completed his master's degree in hydraulic-hydrology and water resources and he has carried out so many research projects on climate change, drought management, hydrology, flood management, remote sensing and also he has been continuing his doctorate education.

### CONTACT

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## Meteorological Engineer



### ▪ **PROJECTS**

#### ▪ **Projects Conducted**

1. Ballıkaya Dam, Hydrological Planning Report. (Project Leader), (2011)
2. Besni Dam, Hydrological Planning Report. (Project Leader), (2012).
3. Van Lake Basin Drought Management Plan. (2018)
4. Küçük Menderes Basin Drought Management Plan. (2018)
5. Determination of the Temporal and Spatial Variation of Soil Moisture by VIC-3L Hydrological Model in Watershed Scale and Drought Analysis in Kocadere Watershed (2014-2016), (Assistant Researcher)
6. Precipitation and Runoff Characteristics of the Watershed of Balıkesir-Bigadiç Kocadere Creek (1987-2012) (Assistant Researcher)
7. Determination of the Effects of the Climatic Fluctuations on Olive Trees with the Dendroclimatological Research in Izmir-Kemalpaşa Region (2014-2017) (Assistant Researcher)
8. Field Moisture Capacity Improving Applications with Semi-Circular Micro-Catchment Water Harvesting Technique in Olive Cultivation (2014-2018). (Assistant Researcher)

#### ▪ **Ongoing Projects**

1. Determining and Monitoring Drought Vulnerability in Wheat Parcels and Identifying Drought Resistant Management Policies in Ankara (Project Leader)
2. Determination of the Effect of Climate Change on Crop Evapotranspiration for Maize, Cotton and Wheat in Aşağı Gediz Basin (Project Leader)
3. Investigation of the Possibility of Detection of RUSLE Cover Management Factor (C) in the Agricultural Areas and Rangelands by Unmanned Aerial Vehicle (Assistant Researcher).
4. Evaluation of Climate Change Resilience of Agricultural Producers in Ankara Province (Assistant Researcher).
5. Digital Irrigation Management System Development Project for Sugar Beet and Wheat Crops in the Central Anatolia Region (DI-SU) National Project (Assistant Researcher).



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### ▪ **PUBLICATIONS**

#### ▪ **INTERNATIONAL ARTICLES AND PAPERS**

##### ▪ **Articles Published in International Journals**

1. Bora, E. Determination of the Actual Evapotranspiration By Using Remote Sensing Methods (2017). Proceedings Volume 10421, Remote Sensing for Agriculture, Ecosystems and Hydrology XIX; 104210J (2017). Warsaw, Poland. <http://doi.org/10.1117/12.2277834>.

#### ▪ **NATIONAL ARTICLES AND PAPERS**

##### ▪ **Articles Published in National Journals**

1. Bora, E., Onuslu GUL, G. (2019) Modelling of Floods in Guvenc Basin, Ankara Using HEC-HMS. Turkish Journal of Water Science & Management, 3 (1), 44-57. DOI: 10.31807/tjwsm.429776
2. Bora, E., Tekeli M., Etöz M. (2016). Temporal Variations of Reference Evapotranspiration and Measured Solar Radiation in the Menemen Plain. Anatolian J. of AARI, 25(2) 2015, 65-76
3. Yılmaz G., Bora E., Aruğaslan L. (2015). Spatial, Temporal Variation of the Rainfall Amounts Intensity in Balıkesir Bigadic-Kocadere Creek Catchment. National symposium in Tekirdag.
4. Bora E., (2016). Climate Change Impact on Peak Discharges in Guvenc Basin. Dokuz Eylul University Institute of science and technology.
5. Deveciler M. and Bora E. (2015). The possibilities of using stem diameter variations indexes of fruit trees for irrigation scheduling and estimation. National symposium in Kırklareli.



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### ▪ **OTHER PUBLICATIONS**

#### ▪ **Ph.D. Thesis, Master Thesis, Reports, Books etc.**

1. Estimation of Actual Evapotranspiration and Agricultural Drought Risk Analysis Using Remote Sensing Methods in Seyhan Basin. – Expert Thesis/2019. Republic of Turkish Ministry of Agriculture and Forestry.
2. Risk Based Design Under the Effects of Climate Change – Master’s Thesis /2016

#### ▪ **Membership, Training, Course, Meeting, Congress, Symposium and Other Activities**

1. DHI MIKE Hydraulic Model Training
2. FAO Aquacrop Model Training /UTAEM
3. FAO Remote Sensing for Agricultural Monitoring /Agricultural Drought Monitoring Systems (ASIS). Tashkent.