



TAGEM
R&D AND INNOVATION

BLACK SEA AGRICULTURAL RESEARCH
INSTITUTE / SAMSUN

BERRAK MEMİŞ, M.Sc.

Chemical Engineer

EDUCATION

- M.Sc** 2016-2018 The Pennsylvania State University Agricultural and Biological
 - Bachelor's Degree** 2007-20011 Ankara University Chemical Engineering
- LANGUAGE** English YDS 97,5 / TOEFL 96

ABOUT ME

She was born in Ankara in 1988. In 2011, she graduated from Ankara University, Faculty of Engineering, Department of Chemical Engineering. She completed her master's degree at The Pennsylvania State University in 2018. She started her vocational training at Samsun Black Sea Agricultural Research Institute, Energy Agriculture Center in 2018 and continues to work in the field of bioenergy.

CAREER

- 2018-..... - Researcher - Black Sea Agricultural Research Institute (Samsun)
- 2013-2015 - Research Asistant – Baskent University, Biomedical Engineering (Ankara)

CONTACT

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Chemical Engineer (MSc)



▪ **PROJECTS**

▪ **Ongoing Projects**

1. Determination of Sunflower Genotypes Suitable for the Middle Black Sea Transition Zone - TAGEM- Researcher (Ongoing)
2. Sustainable Biomass Use Project to Support the Development of the Turkish Economy on the Path to Green Growth - GEF- Project Expert (Ongoing)
3. Investigation of the Use of Camelina (Camelina sativa) as a Raw Material Source for the Production of Green Diesel, Bioethanol, Pellet and Activated Carbon - TAGEM- Researcher (Ongoing)
4. Determination of the Effect of Storage Conditions on the Quality of Pellets Produced from Agricultural Residues - TAGEM- Researcher (Ongoing)
5. Characterization of Biochar Produced from Some Agricultural Residues and Its Effects on Soil Quality - TAGEM- Researcher (Ongoing)
6. Determination of the Optimum Irrigation Program for Pear Cultivation in arŐamba Plain - TAGEM- Researcher (Ongoing)



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- **PUBLICATIONS**
 - **INTERNATIONAL ARTICLES AND PAPERS**
 - **International Papers, Seminars, etc.**
1. Memiş, B. & Ciolkosz, E.D. 2018. Impact of Alkaline Pretreatment and Torrefaction On Glucose Production from Wheat Straw. 40th Symposium on Biotechnology for Fuels and Chemicals. 29 April, 2018- 02 May, 2018, Clearwater Beach, Florida, USA (Poster Presentation).



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▪ **OTHER PUBLICATIONS**

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

1. Master Thesis: Impact of Alkaline Pretreatment and Torrefaction On Glucose Production from Wheat Straw (Master Thesis, The Pennsylvania State University, Agricultural and Biological Engineering, 2018)



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

▪ Editor

Bioenergy Studies – Managing Editor (2020-)

▪ Training

<u>Name of the training</u>	<u>Start date</u>	<u>End date</u>	<u>Training Unit</u>
TS EN ISO/IEC 17025:2017 General Requirements Standard Training for the Competence of Experiment and Calibration Laboratories	15.06.2020	16.06.2020	RAN Kalite
TS EN ISO/IEC17025:2017 Internal Auditor Training	17.06.2020	17.06.2020	RAN Kalite
Measurement Uncertainty Training for Experimental Laboratories & Method Validation/Verification Training for Experimental Laboratories	18.06.2020	18.06.2020	RAN Kalite
TS EN ISO/IEC 17025:2017 Risk Analysis Training	19.06.2020	19.06.2020	RAN Kalite
Basic Patent Training	03.12.2020	03.12.2020	Türk Patent ve Marka Kurumu
Technical Training of Top Level Biomass Experts of Turkey	22.02.2021	25.02.2021	Ostim Enerjik