



TAGEM
R&D AND INNOVATION

MAIZE RESEARCH INSTITUTE/ SAKARYA



MESUT ESMERAY, PhD

Agricultural Engineer

EDUCATION

- PhD**
2009-2016
Namık Kemal University
Institute of Science, Dep. of Field Crops
- MSc**
2001-2005
Ege University
Institute of Science, Dep. of Field Crops
- Bachelor's Degree**
1995-1999
Kahramanmaraş Sütçü İmam University
Field Crops

LANGUAGE

CAREER

- 1999-2008 Agricultural Engineer, Balıkesir Directorate of Provincial Agriculture and Forestry
- 2008- present ,Researcher Maize Research Institute, SAKARYA

ABOUT ME

CONTACT

Mısır Araştırma Enstitüsü Müdürlüğü
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▪ **PROJECTS**

▪ **Projects Conducted**

Project Term	Supporting Institution	Employment in Project	Project Title
2016 – 2018	TÜBİTAK 1001	Researcher	Development of New Inducer Maize Lines
2015 – 2018	TAGEM	Researcher	National Maize Biotechnology Researches
2015 – 2018	TAGEM	Researcher	Public Private Partnership Projects (May, Polen and Tareks Seed Company)
2011 – 2015	TÜBİTAK-1007	Researcher	Obtaining and Use of Dihaploid Lines in Maize Breeding
2014 – 2018	TAGEM	Researcher	Marmara Region Maize Breeding Research Project
2014 – 2018	TAGEM	Researcher	National Maize Integrated Crop Management Project

TÜBİTAK : THE SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF TURKEY

TAGEM : GENERAL DIRECTORATE OF AGRICULTURAL RESEARCH AND POLICIES

Maize cultivars developed by breeding : AGA, ADASA16

▪ **Ongoing Projects**

1. 2019 – 2023 /TAGEM/ National Maize Biotechnology Researches / Project Leader
2. 2019 – 2023 / TAGEM/ Marmara Region Maize Breeding Research Project / Researcher
3. 2019 – 2023 /TAGEM/ National Maize Integrated Crop Management Project / Researcher



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■ **PUBLICATIONS**

■ **INTERNATIONAL ARTICLES AND PAPERS**

1. Yavuz R., Esmeray M., Urin V., Akarken N. 2016. Determination of maize lines tolerant to herbicides, Turkey 6th Plant Protection Congress, 5-8 September, Konya/Turkey.
2. Cengiz R., Cengiz B., Esmeray M., Sezer M.C., Akarken N., Özbey A.E., Duman A. 2015. Development of Waxy (*Zea mays ceratina*) Corn Hybrids. International Plant Breeding Congress-II. 01-05 November, Antalya/Turkey.
3. Sezer M.C., Esmeray M., Özbey A.E., Cengiz R., Duman A., Akarken N. 2015. Assesment of the Sweet Corn (*Zea mays* L. var. *saccharata* Sturt) Breeding Lines, Selfing of Which is Continuing, in Terms of Fresh Ear Yield With Inspection Top-Cross Method. International Plant Breeding Congress-II. 01-05 November, Antalya/Turkey.
4. Cengiz R., Cengiz B., Esmeray M., Sezer M.C., Akarken N., Özbey A.E., Duman A. 2015. Development of Waxy Maize Varieties. 11. Field Crops Congress. 07-10 September, 2015, Çanakkale, Türkiye.
5. Cengiz R., Cengiz B., Esmeray M., Sezer M.C., Akarken N., Özbey A.E., Duman A. 2014. Development of Synthetic Source Materials Considering to Protein and Oil Content in Kernel. International Mesopotamia Agriculture Congress. 22-25 September 2014, Diyarbakır, Turkey.
6. Cengiz R., Esmeray M., Sezer M.C., Akarken N., Özbey A.E., Duman A. 2014. Determination of General Combining Ability and Heterotic Groups of Maize Inbred Maize Lines by Top-cross Method. International Mesopotamia Agriculture Congress. 22-25 September 2014, Diyarbakır, Turkey.
7. Sezer M.C., Akarken N., Özbey A.E., Dayı Ö., Duman A., Esmeray M., Cengiz R. 2014. Skewness and Kurtosis Values in Adapop 1 Population. International Balkan Agriculture Congress. 08-10 September 2014, Edirne, Turkey.
8. Sezer M.C., R. Cengiz, M. Esmeray, A. E. Özbey, Ö. Dayı, N. Akarken and A. Duman. S1 Recurrent Selection Method in the Population of Adapop 11 Silage Maize. International Plant Breeding Congress. 10-14 November 2013, Antalya/Turkey.
9. Cengiz R., Korkut K.Z., Esmeray M., Sezer M.C., Akarken N., Özbey A.E., Duman A., Dayı Ö., Başer İ., Tuna M., Bilgin O., Ateş E. 2014. Development of Doubled Haploid Lines by In vivo Haploid Technique in Hybrid Maize Breeding. 12th Asian Maize Conference and Expert Consultation on Maize for Food, Feed, Nutrition and Environmental Security. 30 October - 1 November, 2014 Bangkok, Thailand.
10. Cengiz R., Esmeray M., Özbey A.E. 2014. Development of Late Temperate Inducer Lines. 12th Asian Maize Conference and Expert Consultation on Maize for Food, Feed, Nutrition and Environmental Security. 30 October - 1 November, 2014, Bangkok, Thailand.
11. Cengiz R., M.C. Sezer, M. Esmeray, Ö.D. Dogru, A.E. Özbey, A. Duman, N. Akarken, 2011. Determination of General Combining Ability and Heterotic Groups of Maize Inbred Lines by Top-cross Method. 11. Asian Maize Conference. 7-11 November, Nanning, China



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TAGEM
R&D AND INNOVATION

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



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TAGEM
R&D AND INNOVATION

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