



TAGEM
R&D AND INNOVATION

BLACK SEA AGRICULTURAL RESEARCH
INSTITUTE / SAMSUN

DR. FATİH ALAY

Agricultural Engineer (PhD)

EDUCATION

Assoc. prof

PhD
2012-2020
Ondokuz Mayıs University
Graduate School of Natural and
Applied Sciences, Field Crops

MSc
2005-2008
Gaziosmanpaşa University
Graduate School of Natural and
Applied Sciences, Field Crops

Bachelor's Degree
1996-2002
Gaziosmanpaşa University
Faculty of Agriculture,
Agricultural Economy Dep.

LANGUAGE
English UDS 65

CAREER

2012----- Engineer, TAGEM Black Sea Agricultural Research
Institute – SAMSUN

2011-2012 Engineer, TAGEM, Soil and Water Resources
Research Institute – SAMSUN

2008-2011 Engineer, Private Sector (Organic Microbial
Fertilizer) - ANKARA

ABOUT ME

He was born in 1978 in Çarşamba/SAMSUN. He completed his bachelor's degree in 2001, his master's degree in 2008 and his doctorate in 2020. He also worked as technical personnel in the branches microbial fertilizer trials, plant diseases and agronomy in a private company between 2008-2011.

Since 2011, she has been working in the field of Meadow-Pasture and Forage Crops at the Black Sea Agricultural Research Institute.

CONTACT

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▪ **PROJECTS**

▪ **Projects Conducted**

1. Project for Determination of Rangeland Presence and Rangeland Status Classes - TAGEM - (2013-2017) – Researcher
2. Investigation of Bee Preference among Phazelia (*Phacelia tanacetifolia* B.), Viper Grass (*Echium vulgare* L.), White Clover (*Trifolium repens* L.) and Prairie Clover (*Trifolium pratense* L.) - TAGEM - (2013-2014) – Researcher
3. A Study on the Determination of the Amount of Residues and Silage Values of Some Vegetables with Economic Value - TAGEM - (2014-2015) Researcher
4. Determining the Efficiency of Rangeland Improvement Studies in the Central and Western Black Sea Regions TAGEM - (2019-2021) Researcher
5. “Determination of Core DNA Contents of Orchard Grass (*Dactylis glomerata* ssp.), Tall Fescue (*Festuca arundinaceae* ssp.) White Clover (*Trifolium repens* ssp.) Populations by Flow Cytometry Method and Use in Species Diagnosis by Ploidy Analysis”. 1002 (2019-2020) Executive

▪ **Ongoing Projects**

1. Black Sea Region Forage Crops Research - TAGEM - (2018-2022) - Researcher
2. Black Sea Region Forage Crops Research - TAGEM - (2023-2027) – Sub-Work Package-Executive
3. Pasture Improvement and Management- TAGEM - BÜGEM - (Continuous) Executive - Ongoing

▪ **PUBLICATIONS**

▪ **INTERNATIONAL ARTICLES AND PAPERS**

▪ **Articles Published in International Journals**

1. İspirli, K., **Alay, F.**, Uzun, F., Çankaya, N., 2016. The Effect of Grazing and Topography on Vegetation Cover and Structure in Natural Rangelands, Turkish Journal of Agricultural Research, Turk J Agric Res(2016) 3: 14-22 © TUTAD ISSN: 2148-2306 doi: 10.19159/tutad.76350.
2. **Alay, F.**, İspirli, K., Uzun, F., Çınar, S., Aydın, İ., Çankaya, N., 2016. The Effects of Long-Term Free Grazing on Natural Rangelands, Journal of Gaziosmanpaşa University Faculty of Agriculture, JAFAG ISSN: 1300-2910 E-ISSN: 2147-8848(2016) 33 (1): 116-124.
3. Uzun, F., **Alay, F.**, İspirli, K., 2016. Some Characteristics of Bartın Province Rangelands, Turkish Journal of Agricultural Research, Turk J Agric Res(2016) 3: 174-183© TUTAD ISSN: 2148-2306 doi: 10.19159/tutad.54652.
4. Kuvancı, A., Kayaboynu, Ü., Duman, M., **Alay, F.**, Çankaya, N., 2017. Importance of Blue Weed *Echium vulgare* L. Plants Among *Phacelia tanacetifolia* B., Red clover, *Trifolium pratense* L. and White Clover *Trifolium repens* L. On Preference of Honey Bees. 45. Apimondia Congress, İstanbul. Pollination and Bee Flora Section, p: 290.
5. Çankaya, N., Yavuz, T., Sürmen, M., İspirli, K., **Alay, F.**, 2018. Determination of Nectar Potential of Phacelia Plant (*Phacelia tanacetifolia* Benth) Grown in Coastal Regional Beach Conditions. International Agricultural Science Congress, 09-12 May, Van / Turkey, Abstract Book, p: 298.



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6. İspirli, K., Gariboğlu, A.V., Öztürk, E., Çankaya, N., **Alay, F.**, 2018. Silage Values of Some Vegetables Field Wastes. International Agricultural Science Congress, 09-12 May, Van / Turkey, Abstract Book, p: 283.
7. Uzun, F., **Alay, F.**, İspirli, K., 2018. Rangeland Characteristic of Open for Grazing Area for Long Years of West Black Sea Region. I. International Agricultural Science Congress, 09-12 May, Van /Turkey, Abstract Book, p: 295.
8. **Alay, F.**, Çankaya, N., İspirli, K., 2017. Determination of Some Agricultural Characteristics of Meadow Clover (*Trifolium pratense* L.) Lines in Samsun Conditions. KSU Nature Bil. Journal, 20 (Special Count), 33-37, DOI : 10.18016/ksudobil.348896.
9. **Alay, F.** İspirli, K. Çankaya, N. Ayan. İ. 2021. Use in Species Identification by Ploidy Analysis and Determination of Core DNA Contents of genotypes of *Dactylis glomerata*, *Festuca arundinaceae* and *Trifolium repens* Collected from the Central Black Sea Region. International Journal of Life Sciences and Biotechnology. ISSN: 2651-4621. DOI: <https://doi.org/10.38001/ijlsb.789825>. 4(2):274-294.
10. **Alay, F.** İspirli, K. Çankaya, N. Şahin, M. 2021. Determination of Genotyp X Environment Interactions and Stability of Hay and Seed Yields in Red Clover (*Trifolium pratense* L.) Line and Kinds under Samsun Ecological Conditions ISPEC 7th Internationalconference On Agriculture, Animal Sciences And Rural Development. 18- 23/09/2021 - Mus / Turkey ISBN: 978-625-7720-61-8 1(1) 401-414

▪ International Papers, Seminars, etc.

1. **Alay, F.** İspirli, K. Çankaya, N. Şahin, M. 2021. Determination of Genotyp X Environment Interactions and Stability of Hay and Seed Yields in Red Clover (*Trifolium pratense* L.) Line and Kinds under Samsun Ecological Conditions ISPEC 7th Internationalconference On Agriculture, Animal Sciences And Rural Development (Oral presentation)

▪ NATIONAL ARTICLES AND PAPERS

▪ Articles Published in National Journals

1. Karadağ, Y., **Alay, F.**, 2008. The Effects of Different Seed Amounts on Yield and Some Agronomic Characteristics of Plum (*Lathyrus sativus* L.) Lines in Tokat Kazova Conditions. (Master's Thesis) Gaziosmanpaşa University, Institute of Science and Technology, Field Crops USA. 9. Field Crops Congress, Book of Proceedings p:58
2. İspirli, K., **Alay, F.**, Çankaya, N., 2013. Determination of Some Agricultural Characteristics of Annual Grass Lines (*Lolium multiflorum*) in Samsun Ecological Conditions, 10. Field Crops Congress, Book of Proceedings p:112
3. Çankaya, N., İspirli, K., **Alay, F.**, 2013. Determination of the Performance of Gelemen Clover (*Trifolium meneghinianum* Clementi) Ecotypes in Samsun Ecological Conditions, 10. Field Crops Congress, Book of Proceedings p: 212.
4. **Alay, F.**, Ayan, İ., 2014. Shrub Problem in Samsun Coastal Rangelands, October 2014 Issue: 46 ISSN 1305-7588, SAMTİM.
5. **Alay, F.**, Can, M., Ayan, İ. 2015. Importance of Forage Crops and Changes in Production SAMTİM Issue:49 ISSN 1305-7588
6. **Alay, F.**, İspirli, K., Çankaya, N. 2015. Forage Crops Cultivated Areas by Years, Roughage Production, Seed Imports and Exports SAMTİM Number:50 ISSN 1305-7588



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7. Kuvancı, A., Deveci, M., **Alay, F.**, Çankaya, N., Avcı, M., 2015. Alexandria Clover (*Trifolium alexandrinum* L.) and Phacelia (*Phacelia*) Plant Preference of Honeybees (*Apis mellifera* L.) tanacetifolia B.) 11th Field Crops Congress Meadow Pasture and Forage Crops, Book of Proceedings P: 103.
8. Çankaya, N., İspirli, K., **Alay, F.**, Ekmen, İ., 2015. Determination of the Relationships between Yield and Yield Components with Path Analysis in Some Feed Pea (*Pisum arvense* L.) Varieties in Bafra Plain Conditions 11. Field Plants Congress Meadow Pasture and Forage Crops, Book of Proceedings p: 411.
9. **Alay, F.**, Çankaya, N., İspirli, K., 2017. Determination of Some Agricultural Characteristics of Red Clover (*Trifolium pratense* L.) Lines in Samsun Conditions. 12. Field Crops Congress, 12-15 September Kahramanmaraş, Book of Proceedings, p: 473.

▪ **National Papers, Seminars, etc.**

1. Alay, F., İspirli, K., Uzun, F., Çınar, S., Aydın, İ., Çankaya, N. 2015. Some Characteristics of Natural Pasture Vegetations in Sinop Province 11. Field Crops Congress (Oral Presentation).
2. Alay, F., Çankaya, N., İspirli, K., 2017. Determination of Some Agricultural Characteristics of Red Clover (*Trifolium pratense* L.) Lines in Samsun Conditions. 12th Field Crops Congress (Oral Presentation).

▪ **Seminars**

1. The Importance of Grassland and Forage Crops in the Protection of the Environment (Master's Seminar Gaziosmanpaşa University, Institute of Science, Field Crops Department-2008)
2. Shrub Problem in Samsun Coastal Rangelands (PhD Seminar - Ondokuz Mayıs University, Institute of Science, Field Crops Department-2014)
3. The Importance of Tall Fescue (Institute Seminar)

▪ **OTHER PUBLICATIONS**

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

1. The Effects of Different Seed Amounts on Yield and Some Agronomic Characteristics of Plum (*Lathyrus sativus* L.) Lines in Tokat Kazova Conditions. (Master's Thesis - Gaziosmanpaşa University, Institute of Science and Technology, Field Crops USA 2008.
2. "Determination of Agricultural Characteristics of Tall Fescue (*Festuca arundinaceae* Schreb.) Genotypes Collected from the Natural Flora of the Central Black Sea Region, Selection of Grass Type Genotypes and Determination of Genetic Affinity Levels" Ph.D. Thesis Project-BAP-(2017-2018)



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

1. Statistics and Trial Techniques, Training, 06-10 February 2012, Samsun (Participant)
2. Soil Water Conservation, Training, 28 September - 02 October 2011, Ilgaz (Participant)
3. Pasture Improvement and Management, Meeting, 2014. Antalya (Participant)
4. Determination of Pasture Status and Classes, Meeting, 2014. Antalya (Participant)
5. Pasture Improvement and Management, Meeting, 2015. Ankara (Participant)
6. Forage Crops and Edible Legumes, Workshop 2015. Adıyaman (Participant)
7. Mutation in Plant Breeding and Related Biotechnological Techniques, Course, 2015. Ankara (Participant)
8. Eleventh Field Crops Congress 2015. Çanakkale (Oral Presentation)
9. Determination of Pasture Status and Classes, Meeting, 2015. Ankara (Participant)
10. Second Biofuel Symposium 2016. Samsun (Participant)
11. Problems of Forage Crops and Solutions Workshop 2016. Yozgat (Participant)
12. Importance of Forage Crops In-Service Training 2017. Gümüşhacıköy (Trainer)
13. Twelfth Field Crops Congress 2017. Kahramanmaraş (Oral Presentation)
14. Seed Distributors Sub-Association Meeting 2018. Antalya (Participant)
15. TTSM Meeting 2019. Ankara (Participant)
16. Çorum Provincial Agriculture In-Service Training (İlkadım) 2020. Çorum (Trainer)
17. Karabük Provincial Agriculture In-Service Training 2020. Karabük (Trainer)
18. Çorum Province Agricultural In-Service Training (Sultan 1919) 2020. Çorum (Trainer)
19. ISPEC Congress 2021. Online (Oral Presentation)
20. BAV. Registered Forage Plant Varieties by the Black Sea Agricultural Research Institute. 2021. Online (Presentation)