



TAGEM
R&D AND INNOVATION

BLACK SEA AGRICULTURAL RESEARCH
INSTITUTE / SAMSUN

DR. EROL AYDIN

Agricultural Engineer (PhD)

EDUCATION

- **Assoc. prof**
- **PhD** 20011-2019 Ordu University
G. School of Natural and Applied Sc.
- **MSc** 2005-2008 Ordu University
G. School of Natural and Applied Sc.
- **Bachelor's Degree** 2000-2004 Karadeniz Technical University
Faculty of Agriculture, Horticulture Dep.
- **LANGUAGE** English UDS 57.5

CAREER

- 2011- - Researcher – Black Sea Agricultural Research
Institute - SAMSUN
- 2006-2011 – Ziraat Bank- Trabzon
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ABOUT ME

He was born in 1979 in Trabzon. In 2004, he graduated from Karadeniz Technical University, Faculty of Agriculture. In 2008, he completed his master's degree Ordu University, Institute of Science and Technology, Department of Horticulture. Between 2006-2011, he worked in the Ziraat Bank.

He continues his studies in the horticulture department at the Black Sea Agricultural Research Institute.

CONTACT

■ Karadeniz Tarımsal Araştırma Enstitüsü
Çiftlik Mah. Atatürk Bulvarı No: 313
(Samsun - Ordu Karayolu 17. km),
Gelemen, Tekkeköy / SAMSUN
55300 TÜRKİYE

■ aydin.erol@tarimorman.gov.tr

■ +90 362 256 05 14



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▪ **PROJECTS**

▪ **Projects Conducted**

1. Investigation of Efficiency and Quality and Cold Storage Performance of Some Peach and Nectarine Varieties in Samsun and Tokat, Determination of Biology and Control Methods, TAGEM, Assistant Researcher (2008-2012).
2. Investigation of Bud Management in Cherry, Apple and Peach, TAGEM, Assistant Researcher (2015-2018).
3. Investigation of Fertilization Biology of Persimmon (*Diospyros kaki* L.) Cultivars and Types and Determination of Suitable Pollinator Types, TAGEM, Assistant Researcher (2011-2014).
4. Introduction Project of Amasya Apple Varieties and Teaching Tree Management to Our Farmers, BÜGEM, Assistant Researcher.
5. Genetic Mapping and Quantitative Trait Locus Analysis of Some Fruit Quality Components in Amasya Apple, TÜBİTAK 1001, Assistant Researcher (2011-2014).
6. Black Sea Region Dwarf/Semi-dwarf Cherry rootstock breeding, TÜBİTAK 1003, Project Leader (2016-2018).
7. Collection, Conservation and Evaluation of Plant Genetic Resources in Artvin Province, DOKA, Assistant Researcher, TR 90/16/DFD/0106.

▪ **Ongoing Projects**

1. Black Sea Region Mulberry (*Morus spp.*) Selection, TAGEM, Project Leader.
2. An investigation on the Vegetative Propagation and Compatibility with Cherry Varieties of Rootstocks Candidate Sweet Cherry, Sour Cherry and Mahalep Types Selected from Black Sea Region of Region, TAGEM, Project Leader.
3. Black Sea Region Fig (*Ficus carica* L.) Selection, TAGEM, Assistant Researcher.
4. Black Sea Region Fruit Genetic Resources Research, Assistant Researcher.
5. Determination of Appropriate Treatment Systems for Greenhouse Cherry Cultivation for Turkey, TÜBİTAK 1001, Researcher.



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▪ **PUBLICATIONS**

▪ **INTERNATIONAL ARTICLES AND PAPERS**

▪ **Articles Published in International Journals**

1. Aydın, E., Bostan, S.Z., Şen, S.M., Yarılgıç, T., Er, E., Uslu, A. N., Turan, A., 2016. Selection of Mulberry (*Morus alba*) in Artvin. *Acta Horticulture* 128(2) 25-30.
2. Aydın, E., Er, E., Bostan, S.Z., Uslu, N.A., Turan, A., 2019. Selection of Mulberry (*Morus alba*) in Giresun province, Turkey. *Acta Hortic.* 1265, 211-218.
3. Aydın, E., Demirsoy, H., Yarılgıç, T., 2020. *In vitro* Propagation in Different Media of Some Cherry Genotypes as Candidate Rootstocks for Cherry. *Acta Horticulture*. 1285, 161-166.
4. Aydın, E., Biçen, B.T., Yarılgıç T., 2020. Determination of Propagation Performance of Gisela 6 and SL 64 Rootstocks *In Vitro* Conditions. *International Journal of Life Sciences and Biotechnology*. 3(3). p.308-316.
5. Macit, İ., Aydın, E., Tas, A., Gündoğdu, M., 2021. Fruit Quality Properties of the Local Apple Varieties of Anatolia. *Sustainability*, 13(11), 6127.
6. Aydın, E., Macit, İ., Akyüz, B., Serdar, Ü., Gündoğdu, M., 2021. Nut Quality Characteristics and Mineral Content of Chestnut Germplasm from Diverse Sources. *Journal of the American Pomological Society* 75 (4): 237-246.

▪ **International Papers, Seminars, etc.**

1. Aydın, E., Aksu Uslu, N., Er, E., 2014. A Study on Propagation of Mulberry (*Morus spp*) By wood Cuttings. *Balkan Agriculture Congress* 8-10 September 2014, Edirne, Turkey
2. Aydın, E., Er, E., Aksu Uslu, N., 2014. An Investigation on Propagation With Hardwood Cutting of SL 64 and MAXMA 14 Rootstocks. *International Mesopotamia Agriculture Congress* 22-25 September 2014, Diyarbakır.
3. Aksu Uslu, N., Aydın, E., Er, E., 2014. Obtain by Selection Pomologic Characterictis Some of The Types of Figs in Samsun. *International Mesopotamia Agriculture Congress* 22-25 September 2014, Diyarbakır.
4. Aydın, E., Bostan, S.Z., Şen, S.M., Yarılgıç, T., Er, E., Uslu, A. N., Turan, A., 2015. Selection of Mulberry (*Morus alba*) in Artvin. *Third Balkan Symposium on Fruit Growing* 16-18 September 2015, Belgrade Serbia.
5. Aydın, E., Koç, A., Er, E., 2017. Determination of Growth Performance of Some Nectarin Cultivars in Samsun (Tekkeköy) Province. *2nd International Balkan Agriculture Congress* 16-18 May 2017, Tekirdağ.
6. Aydın, E., Yarılgıç, T., 2017. An Investigation Propagation with Soft and Hardwood Cutting of Elderberry (*Sambucus nigra* L.). *2nd International Balkan Agriculture Congress* 16-18 May 2017, Tekirdağ.
7. Aydın, E., Yarılgıç, T., 2017. An Investigation Propagation with Soft and Hardwood Cutting of SL 64 and MaxMa 14 Rootstocks. *2nd International Balkan Agriculture Congress* 16-18 May 2017, Tekirdağ.
8. Aydın, E., Aygün, A., Demirsoy, H., 2018. Propagation of Gisela 6 and PHL-C Cherry Rootstocks *in Vitro*. *XXX. International Horticultural Congress* 12-16 August 2018 İstanbul/Turkey.
9. Aydın, E., Bostan, S, Z., Er, E., Aksu Uslu, N., Turan, A., 2018. Selection of Mulberry (*Morus alba*) in Giresun Province, Turkey. *XXX. International Horticultural Congress* 12-16 August, Istanbul-Turkey.
10. Aydın, E., Demirsoy, H., Yarılgıç, T., 2018. Propagation of Some Cherry Genotypes as A Candidate Rootstock for Cherries in Different Media *in Vitro*. *XXX. International Horticultural Congress* 12-16 August 2018 İstanbul/Turkey.



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11. Aydın, E., Er, E., Uslu, N.A., Bostan, S.Z., 2021. Selection of Mulberry (*Morus alba*) in Samsun-III Balkan Agricultural Congress. 29 August-1 September 2021, p387-388-Edirne, Turkey.

▪ NATIONAL ARTICLES AND PAPERS

▪ Articles Published in National Journals

1. Aydın, E., Varol, İ., Demirsoy, L., Demirsoy, H., Er, E., 2016. *In vitro* Propagation of Gisela 5, Gisela 6 and SL 64 Different Medium. Journal of Yalova Horticultural Research Institute, 45/1: 487- 491.
2. Aksu Uslu, N., Aydın, E., 2016. Propagation of Eggplant Fig Type (*Ficus carica* L.) from Kirazlık Location of Samsun with Wood Cuttings. Journal of Yalova Horticultural Research Institute, 45/1: 480- 48.
3. Tezel, E., Kantar, A., Aydın, E., Bostan, S.B., 2016. Jujube (*Ziziphus of jujuba* Mill.) Application of Different IBA Dose and Cutting Diameter Applications Determination of the Effect on Rooting. Journal of Yalova Horticultural Research Institute, 45/1: 788-792.
4. Zenginbal, E., Kantar, A., Aydın, E., Bostan, S.B., 2016. Jujube (*Ziziphus jujuba* Mill.) Cutting Length and IBA Doses Rooting Effect. Journal of Yalova Horticultural Research Institute, 45/1: 798- 801.
5. Aydın, E., Er, E., A. Uslu N., Turan, A., Bostan, S. Z., Şen, S. M., 2016. Growing in Ardanuç and Yusufeli Districts of Artvin Province Selection of White Mulberry (*Morus alba*) Suitable for Drying and Fruit Juice Industry. Journal of Yalova Horticultural Research Institute, 45/2: 47-53.
6. Aydın, E., Er, E., A. Uslu N., 2017. Mulberry Cultivation and Its Importance in Artvin. Journal of Yalova Horticultural Research Institute, 46/1: 211-214.
7. Aydın, E., Yarılgaç, T., 2020. Propagation with Tissue Culture Method of Rootstock Candidate Cherry and Sour Cherry Genotypes. Academic Journal of Agriculture, 9(2). p.308-316.
8. Aydın, E., Yarılgaç, T., 2021. *In vitro* Propagation of Some Mahaleb Genotypes as Candidate Rootstock for Sweet Cherries. Yuzuncu Yıl University Journal of Agricultural Sciences, 31(4):28-40.
9. Macit, İ., Aydın, E., 2021. A Preliminary Study on Some Fruit Characteristics of Local Apple Genotypes Selected from Sinop and Kastamonu Provinces, Journal of Aegean Agricultural Research Institute, 31 (2) , 245-251.

National Papers, Seminars, etc.

1. İslam, A., Cangi, R., Çelik, H., Aydın, E., 2007. Investigation of Growth Performance of Some Raspberry and Blackberry Varieties in Hayrat (Trabzon) Ecology (2007-1. yield period). V Horticulture Congress Erzurum, Proceedings Book, Volume 1:712-717.
2. İslam, A., Çelik, H., Aydın, E., Yıldız, A., 2009. Adaptation of Some Blackberry Cultivars to Hayrat Ecological Conditions. III National Symposium on Berries. Kahramanmaraş, 2009 p 96-104.
3. Murat Doğru, Ş., Er, E., Aydın, E., Koç, A., 2014. Different Maturation of Post-Harvest Storage Applications the Effect of Peach Cultivars on Conservation and Quality Traits. V Storage in Garden Products and Marketing Symposium 22-25 September 2014, Bursa.
4. Er, E., Murat Doğru, Ş., Aydın, E., Koç, A., 2014. The Cold Storage Performance of Some Nectarine Varieties Examination. V Storage in Garden Products and Marketing Symposium 22-25 September 2014, Bursa.
5. Aydın, E., Demirbaş, M., 2015. Research on the Propagation of Elderberry (*Sambucus nigra* L.) by Cuttings. GAP VII Agriculture Congress 28 April-1 May 2015, Şanlıurfa.



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6. Aydın, E., Koç, A., Er, E., 2015. Adaptation of Some Nectarine Varieties to Tekkeköy (Samsun) Ecological Conditions. GAP VII Agriculture Congress 28 April-1 May 2015, Şanlıurfa.
7. Er, E., Koç, A., Aydın, E., 2015. Adaptation of Some Peach Cultivars to Tekkeköy (Samsun) Ecological Conditions. GAP VII Agriculture Congress 28 April-1 May 2015, Şanlıurfa.
8. Aydın, E., Varol, İ., Demirsoy, L., Demirsoy, H., Er, E., 2015. *In vitro* Propagation of Gisela 5, Gisela 6 and SL 64 Different Medium. VII National Horticultural Congress 25-25 August 2015, Çanakkale.
9. Aksu Uslu, N., Aydın, E., 2015. Propagation of Eggplant Fig Type (*Ficus carica* L.) from Kirazlık Location of Samsun with Wood Cuttings. VII National Horticultural Congress 25-25 August 2015, Çanakkale.
10. Zenginbal, E., Kantar, A., Aydın, E., Bostan, S.B., 2015. Jujube (*Ziziphus of jujuba* Mill.) Application of Different IBA Dose and Cutting Diameter Applications Determination of the Effect on Rooting. VII National Horticultural Congress 25-25 August 2015, Çanakkale.
11. Aydın, E., Er, E., A. USLU N., 2016. Mulberry Cultivation and Its Importance in Artvin. V National Symposium on Berries. Abstract Book p 45 27-30 September 2016, Adana.
12. Aydın, E., Er, E., A. Uslu N., Turan, A., Bostan, S. Z., Şen, S. M., 2016. Growing in Ardanuç and Yusufeli Districts of Artvin Province Selection of White Mulberry (*Morus alba*) Suitable for Drying and Fruit Juice Industry. Abstract Book p16 27- 30 September 2016, Adana.
13. Aydın, E., Biçen, B., Er, E., 2016. Determination of Propagation Performance of Gisela 6 and SL 64 Cherry Rootstocks *in Vitro* Conditions. I National Agricultural Biotechnology Congress. 1-3 June 2016, Samsun.
14. Aydın, E., Varol, İ., Er, E., 2016. Propagation of Rootstock Candidate Cherry and Sour Cherry Genotypes in Different Media *In Vitro* Conditions. 6 National Molecular Biology and Biotechnology Congress 05-07 October 2017, Adana, Book of Proceedings, p. 123.
15. Aydın, E., Biçen, B., Er, E., 2017. Determination of Propagation Performance of Gisela 6 and SL 64 Rootstocks *In Vitro* Conditions. 6 National Molecular Biology and Biotechnology Congress 05-07 October 2017, Adana, Book of Proceedings, p. 150.
16. Eğritaş, Ö., Aydın, E., 2017. Biotechnological Developments in Forage Crops Breeding. 6 National Molecular Biology and Biotechnology Congress 05-07 October 2017, Adana, Book of Proceedings, p. 119.
17. Aydın, E., Er, E., Uslu, A. N., Turan, A., Bostan, S.Z., 2019. Samsun Province Mulberry Selection. National Berries symposium. 5-7 September 2019, Samsun.

▪ **OTHER PUBLICATIONS**

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

1. Adaptation of Some Raspberry and Blackberry Varieties to Hayrat (Trabzon) Ecological Conditions (Master Thesis - Ordu University, Graduate School of Natural and Applied Sciences, Department of Horticulture-2008).
2. Propagation with Tissue Culture Method of Rootstock Candidate Cherry, Sour Cherry and Mahaleb Genotypes (Ph. D. Thesis - Ordu University, Graduate School of Natural and Applied Sciences, Department of Horticulture-2019).



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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. Training on Molecular Markers in Horticulture and Their Use in Breeding, 11-15 June 2012 (Participant)
3. Genetic Resources Workshop, Ankara, 02-04 August 2017 (Participant)
4. Artvin Province Crop Production Workshop, Artvin 13 May 2017 (Participant)
5. National Cherry Working Group Meeting, Erzincan 02-04 July 2017 (Participant)
6. National Walnut Working Group Meeting, Balıkesir 30-31 October 2017 (Participant)
7. National Cherry Working Group Meeting, Tokat 24-25 June 2019 (Participant)
8. National Cherry Working Group Meeting, Isparta-Eğirdir 28-29 June 2022 (Participant)