



TAGEM
R&D AND INNOVATION

WESTERN MEDITERRANEAN AGRICULTURAL
RESEARCH INSTITUTE/ ANTALYA



ESRA ALIM, PhD Agricultural Engineer

EDUCATION

Assoc. prof

PhD
2011-2020 Akdeniz University
Faculty of Agriculture

MSc
1994-1997 Ankara University
Faculty of Agriculture

Bachelor's Degree
1990-1994 Akdeniz University
Faculty of Agriculture

LANGUAGE English IELTS 55

CAREER

2015-2022 Researcher, Batı Akdeniz Forest Research Institute - ANTALYA

2011-2015 Researcher, Bati Akdeniz Forest Research Institute - ANTALYA

2010-2011 Researcher, Ege Forest Research Institute - İZMİR

2004-2010 Researcher, Bati Akdeniz Forest Research Institute - ANTALYA

2001-2004 Engineer, Forest Soil Laboratory Directorate, ANTALYA

1996-2001 Instructor, Akdeniz University, Elmalı Meslek Yüksek Okulu, ANTALYA

ABOUT ME

She was born in 1972 in Ankara. In 1994, he graduated from Akdeniz University, Faculty of Agriculture, Department of Horticulture.

In 1997, he completed his master's degree with the thesis study "The Reproduction of Ahlat (*Pyrus elaeagrifolia* Pallas) with Green Steel". In 2020, with his thesis titled "Effects of Gibberellic Acid (Ga3) Applications on Seedlessness and Fruit Size in Black Myrtle (*Myrtus communis* L.)", Dr. She had his title.

CONTACT

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ESRA ALIM, PhD

Agricultural Engineer



▪ **PROJECTS**

▪ **Projects Conducted**

1. The Effects of the Gibberellic Acid Applications on Seedless in Myrtle (*Myrtus Communis* L.) and Determination of the Proper Harvesting Time, TÜBİTAK 3001 project, **Project Leader**, 2016-2018.
2. Determination of Morphological, Phenological Yield and Quality Traits of Selectionally Obtained Clones of Anatolian Sage (*Salvia fruticosa* Mill.), Bati Akdeniz Agricultural Research Institute, **Researcher**, 2017-2019.
3. The Effects of Seedlings Cultivation Density on Morphological Characteristics of Prickly Juniper (*Juniperus oxycedrus* L subsp. *oxycedrus*) Seedlings in Eğirdir Forest Nursery, OGM, Bati Akdeniz Forest Research Institute, **Project Leader**, 2009-2015.
4. Determination of the Effects of Fertilization on Growth and Nutrition of Turkish Red Pine (*Pinus brutia* Ten.) Plantations in Antalya Region, OGM, Bati Akdeniz Forest Research Institute, **Project Leader**, 2006-2013.
5. Determination of Soil Erodibility of Burdur Region and Plant Species to Prevent Soil Erosion, OGM, Bati Akdeniz Forest Research Institute, **Researcher**, 2005-2013.
6. Determination of Nutritional Composition of Some Maquis Species for Small Ruminant Animals, OGM, Bati Akdeniz Forest Research Institute, **Researcher**, 2009-2012.
7. The Effects of the Gibberellic Acid Applications on Seedless in Myrtle (*Myrtus communis* L.), **Researcher**, BAP project, 2017-2019.

▪ **Ongoing Projects**

1. Determination of Variety Candidates Which Have Higher Antioxidant Content in Myrtle (*Myrtus communis* L.) Genotypes Obtained with Crossbreeding and Bringing to Sector, **Project Leader**, 2021-2024.
2. Adaptation of Some *Passiflora* spp. Species Used as Medicinal Plant to Antalya Conditions and Investigation of their Biochemical Properties, **Project Leader**, 2022-2026.
3. Determination of Myrtle (*Myrtus communis* L.) Genotypes Suitable for Different Usage Purposes, **Project Leader**, 2019-2023.
4. Determination of Superior Individuals in Carob Gum (gum) Yield and Quality Traits and Propagation, **Researcher**, 2022-2026.
5. Characterization of Some Cistus Species and Adaptation to Antalya Conditions, **Researcher**, 2022-2026.
6. St. John's Wort (*Hypericum perforatum* L.) Variety Development Project, **Researcher**, 2022-2026.
7. Obtaining Ginger and Turmeric Production Materials - Determining Their Performance in Different Locations, **Researcher**, 2022-2026.



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■ **PUBLICATIONS**

■ **INTERNATIONAL ARTICLES AND PAPERS**

■ **Articles Published in International Journals**

1. Alim E., Uzun H.İ., Çınar O. (2020). Effects of Gibberellic Acid (Ga₃) on Phenolic Compounds in Black Myrtle Fruit (*Myrtus communis* L.). *Derim*, 37(1), 1-9.
2. Uzun H.İ., Alim E., Baktır I. (2019). Effects of Gibberellic Acid Applications on Induction of Partenocarpy in Black Myrtle Fruits. *Acta Hortic.*, 1242, 927-930.
3. Alim E., Cinar O. (2019). The Effects of Different Extraction Methods on Biochemical Parameters of Black Myrtle (*Myrtus communis* L.) Fruits. *Acta Hortic.*, 1254, 303-310.
4. Alim E., Uzun H.İ., Cinar O. (2019). Effects of GA₃ Applications on Biochemical Properties in Black Myrtle (*Myrtus communis* L.) Fruits. *Acta Hortic.*, 1254, 295-302.
5. Alim E., Uzun H.İ., Aktürk B. (2018). The Effect of Different Application Times of Ga₃ on Black Myrtle Berries (*Myrtus communis* L.). *Yüzüncü Yıl University Journal of Agricultural Sciences (YYU J AGR SCI)*, 28 (Özel sayı), 19-23.
6. Uzun H.İ., Alım E. (2018). Effects of Gibberellic Acid Applications on Fruit Drop in Black Myrtle (*Myrtus communis* L.). *International Congress for Engineering and Life Science*, 583-586.
7. Alım E., Uzun H.İ. (2017). Effects of GA₃ applications on seedlessness and fruit quality in black myrtle (*Myrtus communis* L.),. *Derim*, 34(2), 113-121.
8. Uzun H.İ., Yegin A., Alım E., Gözlekcı S., Aksoy U. (2014). Essential Oil Contents of Black and White Myrtle Cultivars. 45th. *International Symposium on Essential Oils*. Istanbul.
9. Bilgin S. Alım E. Çeliktaş Yeşil Ö. (2011). Some Fruit and Seed Characteristics of Shepherd Currant (*Vaccinium myrtillus* L.) Grown in Kaz Mountains. *International Kaz Mountains and Edremit Symposium*, Edremit.
10. Bilgin S., Alım E. (2010). Determination of Some Morphological Characteristics of Cork Oak (*Quercus suber* L.) and Acorn Oak (*Quercus ithaburensis*) Saplings Grown in Torbalı Forest Nursery. *The Oak-Ecology, History Management and Planing II*, Isparta.



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■ International Papers, Seminars, etc.

1. Alim E., Uzun H.İ., Aktürk B. (2018). Effect of Gibberellic Acid on Polen Germination and Tube Growth in Black Myrtle. Uluslararası Tarım Kongresi, Van.
2. Alim E., Uzun H.İ., Çınar O., Aktürk B. (2018). Effects of Different Ga₃ Applications on Biochemical Properties in Black Myrtle (*Myrtus communis* L.) Fruits. Uluslararası Tarım Kongresi, Van.
3. Alim E., Uzun H.İ., Cinar O. (2018). Determining the Biochemical Contents of Black Myrtle Fruits and Leaves. XXX. International Horticultural Congress, İstanbul.
4. Alim E., Uzun H.İ., Çınar O., Aktürk B. (2018). Effects of Ga₃ Applications on Volatile Aroma Compounds of Black Myrtle (*Myrtus communis* L.) Fruits. IV. International Symposium of Medicinal and Aromatic Plants, Çeşme, İzmir.
5. Alim E., Çınar, O. (2017). The Effects of Different Extraction Methods on Biochemical Parameters of Black Myrtle (*Myrtus communis* L.) Leaves. International Symposium on Medicinal, Aromatic and Dye Plants, Malatya.
6. Alim E., Başar H. (2017). Important Wild Fruits for Biodiversty. International Symposium on Biodiversty and Edible Wild Species, Antalya.
7. Başar H., Alim E. (2017). Economic Value Approaches to the Onservstion Biodiversty. International Symposium on Biodiversty and Edible Wild Species, Antalya.
8. Koşdemir Z., Alim E. (2013). Economic Importance of Turkey's Endemic Halophytes. Utilization and Protection of Halophytes and Salt-Affected Landscapes, Budapest, Hungary.
9. Ay Z., Alim E. (2012). Effects of Seedling Density on Turkish Mahaleb (*Prunus mahaleb* L.) As a Nonwood Forest Product Seedling Morphological Properties. International Union of Forest Research Organizations Conference, Lisbon, Portugal.
10. Alim E., Ay Z. (2012). Economic Importance and Sustainability of Myrtle (*Myrtus communis* L.) As a Nonwood Forest Product in West Mediterranean Region İn Turkey. International Union of Forest Research Organizations Conference, Lisbon, Portugal.
11. Alim E., Uzun H.İ., Cinar O. (2018). The Effect of Different Harvest Time on Biochemical Contents of Black Myrtle (*Myrtus communis* L.) Fruits. XXX. International Horticultural Congress, İstanbul.
12. Öner H.H., Alim E., Başar H. (2016). Some Ornamental Plants with Ethnobotanical Characteristics in the Aegean Region. VI. Ornamental Plants Congress, Antalya.
13. Alim E., Koşdemir Z. (2016). Possibilities of Evaluation of Non-Wood Forest Products for Ornamental Purposes in Antalya Region. VI. Ornamental Plants Congress, Antalya.
14. Alim E. (2016). Usage Areas and Benefits of Black Myrtle (*Myrtus communis* L.), Natural Type of Mediterranean Flora. III. Medicinal and Aromatic Plants Symposium, Antalya.



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▪ NATIONAL ARTICLES AND PAPERS

▪ Articles Published in National Journals

1. Alım E., Şahin M., Gültekin H.C. (2008). F Effects of Seedling Densty on *Prunus Amygdalus* L. Morphological Seedling Characteristics, Journal of Bati Akdeniz Forest Research Institute, s:9, Cilt: I, Antalya.
2. Gültekin H.C., Alım E. (2008). Determining the Appropriate Sowing Date of *Prunus sipinosa* L., *Prunus divaricata* L. and *Prunus domestica* L. Seeds in Eğirdir Forest Nursery, Journal of Bati Akdeniz Forest Research Institute, s:9, Cilt: II, Antalya.
3. Gültekin H.C., Alım E., Şahin M. (2007). Determining the Appropriate Sowing Date of *Cotinus Coggygria* Seeds. Journal of Bati Akdeniz Forest Research Institute, s:8, Cilt: II, Antalya.
4. Alım E., Kavgacı A. (2017). The Effects of Cultivation Density on Morphological Characteristics of Prickly Juniper (*Juniperus oxycedrus* L. subsp. oxycedrus) seedlings in Eğirdir Forest Nursery, Forestry Research Journal, Cilt: 4, Sayı:1 A, 1-11.
5. Bilgin, S., Alım, E. (2021). The Effects of Cold Stratification, Cold Storage and Gibberellic acid (Ga₃) on Seed Germination of Bilberry (*Vaccinium myrtillus* L.). Kastamonu Univ., Journal of Forestry Faculty, 2021, 21(2): 176-182.

▪ International Papers, Seminars, etc.

1. Okudan A., Alım E. (2008). Use of Hydroseeding Method in Erosion Control in Dam Basins. Forestry in Dam Basins 1st National Symposium. Kahramanmaraş.
2. Gültekin H.C., Alım E., Şahin M. (2006). *Amelanchier Medic.* Studies on Germination of Seeds. Workshop on Evaluation of Afforestation and Erosion Control Practices in Semi-Arid Regions in Turkey, 436-442, Ürgüp.
3. Alım (Darendelioğlu) E., Dumanoğlu H. (1997). Reproduction of Some Pear Rootstocks by Green Cuttings. Soft Seed Fruits Symposium, 139-145, Yalova.
4. Baktır İ., Karakaya N.E., Bilgili M., Ayata M., Alım Darendelioğlu E. (1996). The Effect of Dried Avlan and Karagöl on the Agricultural Structure of Elmalı Plain. Agriculture-Environmental Relations Symposium. 858-866, Mersin.



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▪ **OTHER PUBLICATIONS**

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

1. Alım, E., 2020; The Effects of the Gibberellic Acid Applications to the Seedless and Fruit Size of Black Myrtle (*Myrtus communis* L.). Ph.D. Thesis.
2. Alım, E., Bayır, Yeğın, A., Çınar, O., Gölükçü, M., 2019; The Effects of the Gibberellic Acid Applications on Seedless in Myrtle (*Myrtus communis* L.) and Determination of the Proper Harvesting Time. TÜBİTAK 3001 Project Conclusion Report.
3. Alım (Darendelioğlu), E., 1997; Propagation of Ahlat (*Pyrus elaeagrifolia* Pallas) with Green Cuttings. Master Thesis.
4. Alım, E., Günhan, R., Erkan, N., Gürlevik, N., Türkkan, M., Okudan, A., Terzi, M., 2013; Determination of the Effects of Fertilization on Growth and Nutrition of Turkish Red Pine (*Pinus brutia* Ten.) Plantations in Antalya Region, Bati Akdeniz Forest Research Institute Project Conclusion Report, No:50, Antalya.
5. Şahin, M., Başaran, S., Başaran, M.,A., Okudan, A., Alım, E., Türkkan, M., Serttaş, A., Alagöz, Z., 2013; Determination of Soil Erodibility of Burdur Region and Plant Species to Prevent Soil Erosion, Bati Akdeniz Forest Research Institute Project Conclusion Report, No:51, Antalya.



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

1. IV. Medicinal and Aromatic Plants Workshop, 2020, Antalya.
2. Perfume Plants Workshop, 2019, Eğirdir-Isparta.
3. International Agriculture Congress, 2018, Van.
4. XXX. International Horticultural Congress, 2018, İstanbul.
5. IV. International Symposium of Medicinal and Aromatic Plants, 2018, Çeşme, İzmir.
6. IV International Symposium on Pomegranate and Minor Mediterranean Fruits, 2017, Elche, Valencia.
7. International Symposium on Biodiversity and Edible Wild Species, 2017, Antalya.
8. International Symposium on Medicinal, Aromatic and Dye Plants, 2017, Malatya.
9. VI. Ornamental Plants Congress, 2016, Antalya.
10. Medicinal and Aromatic Plants Symposium, 2016, Antalya.
11. Medicinal and Aromatic Plants Workshop, 2015, Hatay.
12. Scientific Article Preparation and Publishing, 2015, Amasra.
13. Tubitak Project in Herbal Production (1001) Preparation Training, 2014, Antalya.
14. Statistical Methods in Scientific Research, 2014, Antalya.
15. Accreditation Requirement in Soil Laboratories According to TS-EN ISO/IEC 17025 Standards, 2013, İzmir.
16. IUFRO Conference, Division 5, Forest Products, 2012, Lisbon-Portugal.
17. International Kaz Mountains and Edremit Symposium, 2011, Edremit.
18. Oak-Ecology, History Management and Planing II, 2010, Isparta.
19. Forestry in Dam Basins 1st National Symposium, 2008, Kahramanmaraş.
20. Erosion Control and Pasture Improvement, 2008, Kayseri.
21. Workshop on Evaluation of Afforestation and Erosion Control Practices in Semi-Arid Regions in Turkey, 2006, Ürgüp.
22. Protected Natural Areas Symposium, 2005, Isparta.
23. Laboratory Techniques and Methods Seminar, 2002, İzmir.
24. Soft Seed Fruits Symposium, 1997, Yalova.
25. Agriculture-Environmental Relations Symposium, 1996, Mersin.