



TAGEM
R&D AND INNOVATION

WESTERN MEDITERRANEAN AGRICULTURAL
RESEARCH INSTITUTE/ ANTALYA



Erdal KAYA, Msc Agricultural Engineer

EDUCATION

Assoc. prof

PhD

MSc
1997-1999
Gaziosmanpaşa University
Faculty of Agriculture

Bachelor's Degree
1988-1993
Cumhuriyet University
Tokat Faculty of Agriculture

LANGUAGE
English

CAREER

2015- Head of Geophyte Research Center, Atatürk
Horticultural Central Research Institute – YALOVA

2000-2015 Researcher, Atatürk Horticultural Central
Research Institute – YALOVA

1996-2000 Ornamental Plants Expert, Gaziosmanpaşa
University – TOKAT

1993-1994 Engineer, Private Sector - KOCAELİ

ABOUT ME

He was born in 1969 in Erzurum. In 1993, he graduated from Cumhuriyet University, Faculty of Agriculture.

In 1996, he started working as an 'Ornamental Plant Production Specialist' at Gaziosmanpaşa University. He completed his Master's Degree in Horticulture in 1999.

He has been working at ABKMAE since 2000. He currently serves as the President of the Geophyte Research Center.

He was the project manager of two successfully completed TÜBİTAK 1007 projects on natural plants and geophytes. It carries out TUBITAK and TAGEM supported projects on the collection, taxonomy, cultivation, breeding and phytochemical content of geophytes.

CONTACT

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■ **PROJECTS**

■ **Projects Conducted**

1. Breeding and Providing the Fragrant Ornamental Allium (*Allium* spp.) that are located in Turkey's Flora to the Related Sectors (Project Leader) Finised in 2021
2. A Study On Determination, Breeding And Growing Techniques Of Peony (*Paeonia* spp.) Species Available In Flora Of Turkey-IV (Project Leader) Finised in 2021
3. Breeding and Providing the Fragrant Grape Hyacinth (*Muscari* Spp.) that are Located in Turkey's Flora to the Related Sectors (Researcher) Finised in 2021
4. Different Propagation Methods of Mountain Hyacinth (*Hyacinthella* Schur) at Turkey Flora (TÜBİTAK 3501) (Researcher) Finised in 2020
5. Geophytes , Endemic plants and Medicinal - Aromatic Plants Garden Creation Project in EXPO 2016 Antalya Exhibition - EXPO 2016 Geophyte Plants Project (Project Leader) Finised in 2016
6. Expo Flower Peony (*Paeonia turcica*) Cultivation Project in EXPO 2016 Antalya Exhibition (Project Leader) Finised in 2016
7. Determination of Nuclear DNA Content of Colchicum L. Species in the Flora of Turkey, Identification of Species Using Morphological Parameters and Association Mapping (Researcher) Finised in 2016
8. A Study On Determination, Breeding And Growing Techniques Of Peony (*Paeonia* spp.) Species Available In Flora Of Turkey- III (Project Leader) Finised in 2016
9. Determination of Cultivation Methods for Turkey's Geophytes and Bringing of New Species and Cultivars to the Related Sectors – (TÜBİTAK 1007) (Project Leader) Finised in 2015
10. A Study On Determination, Breeding And Growing Techniques Of Peony (*Paeonia* spp.) Species Available In Flora Of Turkey- II (Project Leader) Finised in 2010
11. Conservation of Rare Plants Kahramanmaras and Ardahan (Researcher) Finised in 2010
12. Determine Cultivation Methods And Obtaining New Types Or Cultivars Of Some Wild Ornamental Plant Species - (TÜBİTAK 1007) (Project Leader) Finised in 2009
13. A Study On Determination, Breeding And Growing Techniques Of Peony (*Paeonia* spp.) Species Available In Flora Of Turkey – I (Project Leader) Finised in 2005



■ **PROJECTS**

■ **Ongoing Projects**

1. "Sustainable Agricultural Technologies Platform that are compatible with Global Climate Change in Turkey's Agricultural Production" (S-ATP) "Obtaining Pharmaceutical Active Ingredients from Medicinal and Aromatic Plants with High Economic Potential, Production and Characterization on a Pilot Scale" "The Extraction, Pilot-Scale Production, and Characterization of Active Pharmaceutical Ingredients found in Medicinal and Aromatic Plants with High Economic Potential" 7th Project "Identifying Galantamine-Rich Geophyte Species and Obtaining Pure Galantamine for Pharmaceutical Raw Material" 7th Sub-project (TÜBİTAK-1004-23AG022 Su-bproject Leader)
2. On Determining Rapid Propagation Techniques of Registered Native Peony (*Paeonia* L.) Varieties with High Economic Potential (TÜBİTAK-1505-522O136, Project Leader)
3. "On Developing Biomarkers and Advanced Technology-Based Medicines for the Monitoring and Treatment of Inflammasome-Mediated Autoinflammatory Diseases" Platform "On Developing Nanotechnological Colchicine Drugs with High Bioavailability" 9th Project "The Sustainable Production of Colchicum spp. Species with High Colchicine Content" 1st Sub-project (TÜBİTAK-1004-20AG007, Sub-project Leader)
4. Determination of Barcode Sequences (Its-Rdna, Matk And Rbcl) of *Paeonia* Species in Turkey, Investigation And Purification of Hiv-1 And M-Mlv Reverse Transcriptase (Rt) Inhibitors in Root Extracts" (TUBITAK-1001-120Z502) (Researcher)
5. Breeding and Providing the Fragrant Ornamental Allium (*Allium* spp.) that are located in Turkey's Flora to the Related Sectors - II (Project Leader)
6. A Study On Determination, Breeding And Growing Techniques Of Peony (*Paeonia* spp.) Species Available In Flora Of Turkey - V (Project Leader)
7. Collection, Preservation and Evaluation of Geophytes of Turkey-II (Project Leader)



■ **PUBLICATIONS**

■ **INTERNATIONAL ARTICLES AND PAPERS**

■ **Articles Published in International Journals**

1. Koçyiğit M., Erarslan ZB., Özhatay N., **Kaya E.**, 2023. *Allium beypazariense* (Amaryllidaceae), a new species from middle Anatolia (Türkiye). <https://doi.org/10.11646/phytotaxa.630.1.4> Phytotaxa, 2023b 630 (1), 51-60
2. Koçyiğit M., Salmeri C., Özhatay N., **Kaya E.**, Brullo S., 2023. *Allium sphaeronixum* (Amaryllidaceae), A New Species from Turkey Plants, cilt.12, sa.11, 2023 <https://doi.org/10.3390/plants12112074>
3. Cetiz, M., V., Akyuz Turumtay, E., Arslan Burnaz, N., Özhatay, F., N., **Kaya, E.**, Memon, A., Turumtay, Halbay., 2023. Phylogenetic analysis based on the ITS, matK and rbcL DNA barcodes and comparison of chemical contents of twelve *Paeonia* taxa in Türkiye. Molecular Biology Reports 4 April 2023 <https://doi.org/10.1007/s11033-023-08435-z>
4. Kilic , M., Sener, B., **Kaya, E.**, 2021. Anti-cholinergic activities of Turkish *Corydalis* DC. Species. Phytochemistry Letters 45 (2021) 142–156. <https://doi.org/10.1016/j.phytol.2021.08.006>
5. Cabuk Sahin E., **Kaya, E.**, Tüyel, U., Aydın, Y., Özhatay, N., Altinkut Uncuoglu, A., 2021. An assessment on the floristic variety of *Colchicum* genus of Turkey in terms of morphological characteristics. Elsevier, *Scientia Horti.*, Volume 287, 110251. <https://doi.org/10.1016/j.scienta.2021.110251>
6. Koçyiğit, M. **Kaya, E.**, 2020. *Allium nerimaniae* (Amaryllidaceae), a new species of A. sect. *Codonoprasum* from Turkey. Phytotaxa, 435-1
7. Kılıc, M., **Kaya, E.**, Aysal, A. İ., Sener, B., 2020. Neuroprotective Potential of the Tubers of *Corydalis triternata* Zucc. Growing in Turkey. Journal of The Chemical Society of Pakistan, 42-6.
8. Demirci Kayıran, S., Özhatay, N., **Kaya, E.**, 2019. *Muscari tauricum* (Asparagaceae, Scilloideae), a new species from Turkey. Phytotaxa 399: 109–118.
9. Kılıc, M., **Kaya, E.**, Aysal, A.İ., Sener, B., 2019. Evaluation of some biological activities of the tubers of *Corydalis solida* (L.) Clairv. ssp. *incisa* Lieden growing in Turkey, South African Journal of Botany, 127, 195-200 (2019). <https://doi.org/10.1016/j.sajb.2019.08.055>
10. Koçyiğit, M., Rastgeldi, U., **Kaya, E.** 2017. Cytotaxonomical analysis of eleven Turkish *Fritillaria* L. (Liliaceae) taxa Journal of Biology. cilt:75, sayı: 2 sayfa: 19-28
11. **Kaya, E.**, and Özhatay, N., 2015. “New geophytes from Turkey”. *Chronica Horticulturae*, Volume 55, Number 4, p: 27-31, December 2015; ISSN: 0578-039X, Belgium.
12. Atak, A., **Kaya E.**, and Erken, K., 2014. Determination of Quantity and Purity of some Geophytes DNA Collected From the Flora of Turkey, *Asian Journal of Plant Sciences* (2014)13 (3): 98-110.
13. S. Yüzbaşıoğlu, S. Demirci and **Kaya E.**, 2013. Reports (1809-1812). In: G. Kamari, C. Blanché & S. Siljak-Yakovlev (eds). *Mediterranean chromosome number reports – 23. Fl. Medit.* 23: 255-312.



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■ **INTERNATIONAL ARTICLES AND PAPERS**

■ **Articles Published in International Journals**

14. E. Akalın, S. Demirci and **Kaya, E.**, 2013. Reports (1799-1804). In: G. Kamari, C. Blanché & S. Siljak-Yakovlev (eds). Mediterranean chromosome number reports – 23. Fl. Medit. 23: 255-308.
15. Ecevit Genç G, Özhatay N, **Kaya, E.**, 2013. Colchicum “Reports (1805-1808) In Kamari G, Blanché C, Siljak-Yakovlev S (Eds) (2013). Mediterranean Chromosome Number Reports- 23. Flora Mediterranean, vol.23: 276-277.
16. **Kaya, E.**, Erken, K., Erken , S. and Gülbağ, F., 2013. The Adaptation of Turkish Colchicum L. Species to The Conditions of Culture. Acta Hortic. 1002, 67-80
17. Erken, K., Gülbağ, F., Erken, S. and **Kaya, E.**, 2013. The Adaptation of Turkish Iris L. Species to The Cultural Conditions. Acta Hortic. 1002, 153-166
18. Karakaş Metin,Ö., Türктаş,M., Aslay,M., **Kaya, E.**, 2012. Molecular Phylogenetic Relationships in *Fritillaria* Species Inferred from Chloroplast trnL-trnF Sequences. Turkish Journal of Biology: 36 (2012) 552-560
19. Karakaş Metin,Ö., Türктаş,M., İzgi Saraç Y., **Kaya, E.** 2012. Molecular Phylogenetic Analysis of Tulipa spp. based on non-coding Plastid and Nuclear DNA Sequences. Botanical Journal of the Linnean Society
20. Karakaş Metin,Ö., Türктаş,M., Genişel,H., Ertuğrul, F., Oğras, T., **Kaya, E.** 2012. The molecular study of genetic diversity in Colchicum species found in Turkey was performed using the AFLP technique, Biologia Plantarum
21. Turktas, M., Aslay, M., **Kaya, E.**, 2012. Ertugrul, F. Molecular characterization of phylogenetic relationships in Fritillaria species inferred from chloroplast trnL-trnF sequences /Turkish Journal of Biology(2012)36: 552-560
22. Sevim, D., Şenol, F.S., Budakoğlu, E., Erdoğan Orhan, İ., Şener, B., **Kaya, E.**, 2010. Studies on Anticholinesterase and Antioxidant Effects of Samples from Colchicum L. Genus of Turkish Origin, FABAD J. Pharm. Sci., 35, 195-201
23. Orhan, I., Demirci, B., Omar, I., Siddiqui, H., **Kaya, E.**, Choudhary, I.M., Ecevit Genç, G., Özhatay, Neriman., Şener, B. And Başer, K. H.C. Essential Oil Compositions And Antioxidant Properties Of The Roots Of Twelve Anatolian Paeonia Taxa With Special Reference To Chromosome Counts Pharmaceutical Biology, (2010) 48(1): 10-16



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■ **INTERNATIONAL ARTICLES AND PAPERS**

■ **International Papers, Seminars, etc.**

1. Kılıc, M., **Kaya, E.**, Sener, B., 2019. Evaluation of Some Biological Activities of the Tubers of *Corydalis solida* (L.) Clairv. ssp. *incisa* Liéden Species Growing in Turkey, The Fifth International Mediterranean Symposium on Medicinal and Aromatic Plants(MESMAP-5), April 24-26, 2019, Cappadocia-Turkey.
2. Kılıc, M., **Kaya, E.**, Aysal, A.I., Sener, B., 2019. Evaluation of Anticholinesterase Activity of the Tubers of *Corydalis triternata* Zucc. Growing in Turkey, 2nd International Eurasian Conference on Biological and Chemical Sciences- (EurasianBioChem 2019), June 28-29, 2019, Ankara-Turkey.
3. Kılıc, M., **Kaya, E.**, Sener B., 2019. Potential Drug Candidates for Neurodegenerative Diseases from *Corydalis* DC. Species Growing in Turkey, 6th World Congress on Medicinal and Aromatic Plants for Human and Animal Welfare (WOCMAP VI), Nov. 13-17, 2019, Famagusta- N.Cyprus.
4. Erken, K., Gülbağ, F., Erken, S., **Kaya, E.**, 2019. Mother And Father Parent Performance Of Turkey Bulbous *Iris* Species In Hybrid Combination At Rate Of Hybrid And Seed Progeniture. I. International Ornamental Plants Congress - VII. Süs Bitkileri Kongresi, Abstract Book 262-263, 9 - 11 Oct, 2019, Bursa, Turkey. (Oral Presentations)
5. Meral Aslay, M., Murat Ünlü, H., Kadioğlu, Z., Tuncer, S., **Kaya, E.**, 2019. Development Of New Varieties From Turkey's Endemic Species *Fritillaria michailovskyi* Fomin. I. International Ornamental Plants Congress - VII. Süs Bitkileri Kongresi, Abstract Book 264-265, 9 - 11 Oct, 2019, Bursa, Turkey. (Oral Presentations)
6. Yaris, E., Kılıc, M., Aslay, M., **Kaya, E.**, Sener, B., 2018. Neuroprotective Effects of Some *Fritillaria* L. Species Growing in the East Anatolia, 12th International Symposium on Pharmaceutical Sciences (ISOPS-12), June 26-29, Ankara-Turkey.
7. Kılıc, M., Sevim, D., Budakoglu, E., Topuz, D., Senol, F.S., Erdogan Orhan, I., **Kaya, E.**, Erken, K., Aslay, M., İzgi Sarac, Y., Rastgeldi, U., Hocagil, M.M., Sener, B., 2018. Phytochemical Studies on Some Geophytes Growing in Turkey, 4th Mediterranean Symposium on Medicinal and Aromatic Plants, April 18-22, Antalya-Turkey.
8. Uysal, E., **Kaya, E.**, 2018. Some Soil Properties of Different Asphodeline (*Asphodeline* spp.) Species Natural Grown in Flora of Turkey. 4th International Symposium of Medicinal and Aromatic Plants. 2-4 October, s:203-208 Çeşme/İzmir, Turkey.
9. Uysal, E., **Kaya, E.**, 2018. Some Properties of Soils in Where Different Autumnflowering Colchicum (*Colchicum* spp.) Species Natural Grown in Turkey. 4th International Symposium of Medicinal and Aromatic Plants. 2-4 October. s:197-202 Çeşme/İzmir, Turkey.
10. Uysal, E., **Kaya, E.**, 2018. Some Physical and Chemical Properties of Soils in Where Different Spring-Flowering Colchicum (*Colchicum* spp.) Species Naturel Grown in Flora of Turkey, International Symposium Ecology 2018, 19-23 june 2018, Kastamonu, Turkey.



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■ PUBLICATIONS

■ INTERNATIONAL ARTICLES AND PAPERS

■ International Papers, Seminars, etc.

11. Uysal, E., **Kaya, E.**, 2018. Türkiye’de doğal yayılış gösteren sarıyıldız (*Gagea Salisb.*) türlerinin yetiştiği alanlara ait bazı toprak özellikleri, 1st International, 14th National Congress on Agricultural Structures and Irrigation 26-28 September, s:300-312, Antalya. Turkey.
12. Kılıç, M., Sevim, D., Şenol, F.S., Erdoğan Orhan, İ., İzgi Saraç, Y., **Kaya, E.**, Şener, B., 2017. Phytochemical Analysis and Some Biological Activities of the Bulbs of Selected Hyacinthus Taxa from Turkey, The Third International Mediterranean Symposium on Medicinal and Aromatic Plants (MESMAP-3), April 13-15, 2017, Girne- Girne- Turkish Republic of N. Cyprus.
13. Kılıç, M., Şenol, F.S., Sevim, D., Budakoğlu, E., Erdoğan Orhan, Şener, B., **Kaya, E.**, 2017. Cholinesterase Inhibitory Activity and LC-MS Analysis of the Bulbs of Selected Liliun L. Species Growing in Turkey, 2nd International Gazi Pharma Symposium Series-GPSS-2017, October 11-13, 2017, Ankara-Turkey.
14. Kılıç, M., Şenol, F.S., Erdoğan Orhan, İ., Aslay, M., **Kaya, E.**, Şener, B., 2017. Cholinesterase Inhibitory and LC-MS Analysis of the Bulbs of Fritillaria L. Species from Turkey, 3rd International Conference on Natural Products Utilization from Plants to Pharmacy Shelf (ICNPU-2017), October 18-21, 2017, Bansko-Bulgaria.
15. Uysal, E., **Kaya, E.**, 2017. Türkiye Florasında Doğal Olarak Yetişen Farklı Dağ Lalesi (*Anemone spp.*) Türlerine Ait Toprakların Bazı Fiziksel ve Kimyasal Özellikleri. 5. Uluslararası Katılımlı Toprak ve Su Kaynakları Kongresi, 12-15 Eylül 2017 Cilt 1 s:176, Kırklareli.
16. Aslay, M., Çukadar, K., Ünlü, H.M., Kadioğlu, Z., Tekşen, M., **Kaya, E.**, 2017. Doğu Anadolu Florasında Mevcut Tersale (*Fritillaria L.*) Türlerinin Yetiştigi Toprakların Bazı Verimlilik Durumlarının Belirlenmesi. V. Uluslararası Katılımlı Toprak ve Su Kaynakları Kongresi, 12-15 Eylül 2017, Kırklareli. cilt 2 s: 865-872 (poster).
17. Aslay, M., Çukadar, K., Ünlü, H.M., Kadioğlu, Z., Tekşen, M., **Kaya, E.**, 2017. Türkiye Florasında Mevcut Allı Gelin (*Tchihatchewia İsatidea Boiss.*) Türünün Yetiştigi Toprakların Bazı Verimlilik Durumlarının Belirlenmesi. V. Uluslararası Katılımlı Toprak ve Su Kaynakları Kongresi, 12-15 Eylül 2017, Kırklareli. cilt 2, s: 882-888, (poster).
18. Altinkut Uncuoğlu, A., Aydın, Y., Çabuk Şahin, E., Tüyel, U., **Kaya, E.**, 2017. From Mapping to Barcoding at DNA Level. A Case Study from Colchicum Genus. 2nd International Balkan Agricultural Congress, May 16-18, 2017, Tekirdağ, Turkey, Book of Abstracts, p:358, (Oral presentation).
19. Orhan, İ.E., Şener, B., Şenol, F.S., Kılıç, M., **Kaya, E.**, Erken, K., Aslay, M., SARAÇ, Y., Rastgeldi, U., Hocagil M.M., 2016. “Recent Data on Botanical Revision, Cultivation and Phytochemical Analysis of the Geophytes Growing in Turkey”, The 29th International Symposium on the Chemistry of Natural Products (ISCNP-29) and The 9th International Conference on Biodiversity (ICOB-9), 24-27 September 2016, İzmir (Oral Presentation).
20. Kılıç, M., Şenol, F.S., **Kaya, E.**, Orhan, İ.E., Şener, B., 2016. “Potential Effect of Turkish Corydalis Medik. Species Relevant to Alzheimer’s Diseases”, The 29th International Symposium on the Chemistry of Natural Products (ISCNP-29) and The 9th International Conference on Biodiversity (ICOB-9), 24-27 September 2016, İzmir (Poster).



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■ PUBLICATIONS

■ INTERNATIONAL ARTICLES AND PAPERS

■ International Papers, Seminars, etc.

21. Çabuk Şahin, E., Tüyel, U., Aydın, Y., Tuna, M., **Kaya, E.**, Altinkut Uncuoğlu, A., 2016, "Evaluation of Colchicum Genus by Molecular Markers and Nuclear DNA Content", 5th International Conference on Biological, Chemical and Environmental Sciences (BCES-2016) March 24-25, 2016, London (UK), Abstract Book p:62 (Oral Presentation).
22. Altinkut Uncuoğlu, A., Aydın, Y., Mete, S., Çabuk Şahin, E., **Kaya, E.**, 2016. "Molecular Characterisation and Phylogenetic Analysis of Colchicum Genus", International Conference on Agriculture, Ecology and Biological Engineering (AEBE-16). March 26-27, 2016, London (UK), Abstract Book p:320, ISBN: 978-93-84422-62-2, (Oral Presentation).
23. Kılıç, M., Sevim, D., Şenol, F.S., Erdoğan Orhan, İ., İzgi Saraç, Y., **Kaya, E.**, Şener, B., 2015. "Cholinesterase Inhibitory and Radical Scavenging Activity and LC-MS Analysis of the Bulbs of Selected Tulipa Taxa from Turkey", DRD 2015–International Multidisciplinary Symposium on Drug Research and Development, October 15-17, 2015, Eskişehir-Turkey.
24. Mehmet Aydemir, M., Metin, Ö.K., Baştuğ, B., Aydın, Y., Şakiroğlu, M., **Kaya, E.**, Uncuoğlu, A.A., 2015. Phylogenetic Analysis of Colchicum L. Species with Chloroplast Genome-Specific Markers, International Conference on Advances in Agricultural, Biological & Environmental Sciences (AABES-2015), At London-England.
25. Şahin, E.Ç., Aydın, Y., **Kaya, K.**, Uncuoğlu, A.A., 2015. "Identification of Colchicum L. Species in the Flora of Turkey by DNA Barcoding Approach", International Conference on Advances in Agricultural, Biological & Environmental Sciences (AABES-2015), July 22-23, 2015 London, United Kingdom, Abstract Book p:178 (Oral Presentation).
26. Şahin, E.Ç., Aydın, Y., **Kaya, K.**, Uncuoğlu, A.A., 2015 "Approaches for identification of Colchicum L. species in the flora of Turkey by morphological parameters and DNA barcoding", 6. International Barcode of Life Conference, August 18-21 2015, Guelph, Kanada, Genome Vol. 58, 2015, p:274 (Poster).
27. Tüyel, U., Şahin, E.Ç., Akfırat, F.Ş., Aydın, Y., Şakiroğlu, M., **Kaya, E.**, Uncuoğlu, A.A., 2015. "Genome-Wide Association Mapping of Morphological Traits in Inter- and Intraspecies of Colchicum L.", Plant and Animal Genome XXIII, San Diego, Abstract book p: 289, 09-15 January 2015 (Poster).
28. Şahin, E.Ç., Aydın, Y., **Kaya, K.**, Uncuoğlu, A.A., 2015 "Genetic Diversity in Colchicum L. Populations Assessed by Qualitative and Quantitative Traits", International Workshop on "Green Biotechnology", September 21-23, 2015, Bayramoğlu Resort Hotel, Darıca, Kocaeli, Turkey, Abstract Book p:67 (Poster).
29. Tüyel, U., Akfırat, F.Ş., Aydın, Y., **Kaya, E.**, Uncuoğlu, A.A., 2015. "Phylogenetic Analysis of Colchicum Genus belong to Turkey's Flora", International Workshop on "Green Biotechnology", September 21-23, 2015, Bayramoğlu Resort Hotel, Darıca, Kocaeli, Turkey, Abstract Book p:65 (Poster).
30. Uysal E., Erken K., **Kaya E.**, Erken S., 2014. Determination of the some soil fertility status of Rhizomatous Iris (Iris Spp.) plant grown in flora of Turkey, 9th International Soil Science Congress on "The Soul of Soil and Civilization", October 14 – 16 (2014) , Side, Antalya / Turkey Proceedings Books, p. 272-279.



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■ PUBLICATIONS

■ INTERNATIONAL ARTICLES AND PAPERS

■ International Papers, Seminars, etc.

31. Uncuoğlu, A. A., Aydın, Y., Tuna, M., Özhatay, N., **Kaya, E.**, 2014. Sustainable Collection and Characterization of Colchicum L. Species in the Flora of Turkey for Ethnobotanical Purposes. 4th International meeting on Pharmacy & Pharmaceutical Sciences (IMPPS-4), Istanbul, Turkey, September 18-21, 2014, (Proceeding).
32. Şahin, E. Ç., Aydın, Y., **Kaya, E.**, Uncuoğlu, A. A., 2014. Assessment of biodiversity of Colchicum L. Belong to Turkish Flora by DNA barcoding. Agribalkan, Balkan Agricultural Congress, Edirne, Turkey, Book of Abstracts p:117, September 8-11, 2014, (Proceeding).
33. Uncuoğlu, A.A., Tüyel, U., Akfırat, F.Ş., Aydın, Y., Metin, Ö.K., Sakiroğlu, M., Tuna, M., Nizam, İ., **Kaya, E.**, 2014. Genetic Diversity and Association Mapping Studies in Colchicum L. International Conference on Enhanced Genepool Utilization - Capturing Wild Relative and Landrace Diversity for Crop Improvement, Cambridge, United Kingdom, Book of Abstracts p: 110, 16-20 June (2014), (Poster).
34. Şahin, E.Ç., Aydın, Y., Sakiroğlu, M., **Kaya, E.**, Uncuoğlu, A.A., 2014. Leafy as a Candidate Gene for Association Mapping in Colchicum L. International Conference on Enhanced Genepool Utilization - Capturing Wild Relative and Landrace Diversity for Crop Improvement, Cambridge, United Kingdom, Book of Abstracts p:111, 16-20 June (2014), (Poster).
35. Şener, B., Sevim, D., Sezer Şenol, F., Öztüzcu, S., **Kaya, E.**, Erken, K., Erdoğan Orhan.İ, 2013. Studies on Cytotoxic Activities of Iris L. Genus of Turkish Origin "14th Asian Symposium on Medicinal Plants, Spices and Other Natural Products –ASOMPS-XIV", p. 25, -Pakistan
36. Şener B, Erdoğan Orhan İ., Şenol, F.S., Kılıç, M., Topuz, D., **Kaya, E.**, 2013. Geophytes and their Potential Role in Neurodegenerative Disorders "28th International Symposium on the Chemistry of Natural Products and the "8th International Conference on Biodiversity –ISCNP 28 & ICOB 8", p. 186, Shanghai-China
37. Karakaş Metin, O., Baştuğ, B., Oğras, T., Erken, K., Özcan, T., **Kaya, E.**, 2013. Molecular characterization of phylogenetic relationship between Iris species based on fluorescent-AFLP European Biotechnology Congress, Bratislava Poster presentations / Current Opinion in Biotechnology 24S (2013) S48–S143
38. Aydemir, M., Verma, S.K., Sakiroğlu, M., Aydın, Y., **Kaya, E.**, Uncuoğlu, A.A., 2013. Sequencing of Chloroplast trn-T-L-Intron for Phylogenetic Analysis of Colchicum Genus from Flora of Turkey. Olomouc Biotech 2013, Plant Biotechnology: Green for Good II, Olomouc, Czech Republic, Book of Abstracts p: 50, June 17-21, (2013)
39. Tüyel, U., Verma, S.K., Akfırat, F.Ş., Sakiroğlu, M., Aydın, Y., **Kaya, E.**, Uncuoğlu, A.A., 2013. Determination of Morphological and Molecular Characteristics of Colchicum L. Species in the Turkish Flora. Olomouc Biotech 2013, Plant Biotechnology: Green for Good II, Olomouc, Czech Republic, Book of Abstracts p: 45, June 17-21, (2013),
40. Şahin, E.Ç., Aydın, Y., Verma, S.K., Şakiroğlu, M., **Kaya, E.**, Uncuoğlu, A.A., 2013. Identification of Novel Genes Associated with Morphological Characters in Colchicum through a Candidate Gene-based Association Strategy. 7th EPSO Conference, Plants for a Greening Economy, Abstract Book p:300, Porto Heli, Greece, September 1-4, (2013), (Poster).



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■ INTERNATIONAL ARTICLES AND PAPERS

■ International Papers, Seminars, etc.

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

1. Membership of the Advisory Board of the Drug Development Application and Research Center from Natural Resources - 2022
2. The Use of Flow Cytometer - 2017
3. Identification of *Colchicum* L. Species - 2009
4. Chromosome analysis -2008
5. The culture of Natural Plants and Herbarium Techniques - 2006
6. Ornamental Plant Breeding - 2005