

Curriculum Vitae

Personal information

First name **Asim**
Surname **KADIOGLU**
Date and place of birth 02 May 1963, Trabzon (TURKEY)
Gender Male
Nationality Turkish
Institution Karadeniz Technical University

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Education

PhD (1990) Biology (Plant Physiology), Ataturk University
MS (1987) Biology (Botany), Ataturk University
B.S. (1985) Biology, Ataturk University

Research areas

Drought stress in plants
-Leaf rolling mechanism in plants under drought stress
-Antioxidant responses to drought stress in plants
-Plant signalling in plants under drought stress

Academic / Research Positions

1998- present :Professor, Department of Biology, Karadeniz Technical University (KTU)
1992-1998 :Associate Professor, Department of Biology, Ataturk University
1990-1992 :Assistant Professor, Department of Biology, Ataturk University
1986-1990 :Research assistant, Department of Biology, Ataturk University

<p>Other positions</p>	<p>2010- : Head of Project Support Office, KTU 2010-2013 : Director of Biology Department, KTU 2002-2004 : Dean of Fishery Faculty, KTU, Rize 1996-2002 : Director of The Graduate School of Natural and Applied Sciences, KTU 1998-1998 : Vice dean of Science and Art Faculty, KTU 1993-1996 : Deputy Director of Biology Department, KTU</p>
<p>Fellowships</p>	<p>International Training Course on Selected Topics of Modern Biology (1988-1989, 14 months)</p>
<p>Professional and Editorial Activities</p>	<p>Editor in Chief, Turkish Journal of Botany 2014- Member of the Management Committee of COST action FA0605 Associate Editor (Plant Physiology) Turkish Journal of Botany 2007-2009 Member of Editorial Board Turkish Journal of Botany 2009-2014 Editor of Plant Physiology in Turkish Journal of Botany 2009-present Member of Advisory Board, Turkish Journal of Biology 2007-present Member of Advisory Board, Journal of Cell and Molecular Biology, Golden Horn University 2001-present Member of Advisory Board, Ecology, Foundation for Environmental Protection and Research, İzmir Turkey. 1998-present Member of Advisory Board, Journal of the Institute of Science and Technology, Dumlupinar University 2005-present</p>
<p>Membership</p>	<p>European Plant Biological Society (FESPB)</p>
<p>Teaching Activities Supervising lectures</p>	<p>PhD degree: 8 persons MS degree : 15 persons Plant Physiology, General Biology, Biometrics, Plant Growth and Development at undergraduate level; Seed Germination, Allelopathy, Stress Physiology in Plant at graduate and postgraduate levels (1990-present)</p>
<p>Refereeing for</p>	<p>Turkish Journal of Botany, Turkish Journal of Biology, Physiologia Plantarum, Economic Botany, Canadian Journal of Plant Science, Bioresource Technology, Chemosphere, African Journal of Biotechnology, EurAsian Journal of BioSciences, J. Medicinal Food, Fresenius Environmental Bulletin, Journal of Plant Breeding and Crop Science, Journal of Agricultural and Food Chemistry.</p>
<p>Collaborations</p>	<p>Gyözö GARAB, Institute of Plant Biology, Biological Research Center, Szeged, Hungary. Zsuzsanna Varkony, Institute of Plant Biology, Biological Research Center, Szeged, Hungary. Zoltan Varkony, , Institute of Plant Biology, Biological Research Center, Szeged, Hungary. Rina Iannacone, Metapontium Agrobios, Italy.</p>

Functions in Societies

10th National Biology Congress, 1990, Erzurum, Organizing committee member
1st Eurasian Congress on Molecular Biotechnology, October, 2001, Trabzon, Organizing committee member
19th National Biology Congress, 2008, Trabzon, Organizing committee member
International Conference on Plants & Environmental Pollution, 2009, Kayseri, Advisory Committee member
20th National Biology Congress, 2010, Denizli, Scientific committee member.
21st National Biology Congress, 2012, İzmir, Scientific committee member.

Publications in international referred journals

1. Algur, Ö.F., Kadioğlu, A., The Effects of Şlempe (Vinas) on Germinations of Various Plant Seeds, **DOĞA TU Botanik D.**, 13, 117-123, 1989.
2. Kadioğlu, A., Özbay, O., Polyphenol Oxidase and Related Isoenzymes in Crown Gall Tumors of Pea, **Phyton**, 30(2), 283-290, 1990.
3. Kadioğlu, A., Interaction between Pea Crown Gall Tumours and Protein, **DOĞA-Tr. J. Biology**, 14(2), 105-112, 1990.
4. Kadioğlu, A., Algur, Ö.F., The Effect of Vinasse on the Growth of *Helianthus annuus* and *Pisum sativum*: Part 1- The Effect on some Enzymes and Chlorophyll and Protein Content, **Environmental Pollution**, 67, 223-232, 1990.
5. Lajko, F., Kadioğlu, A., Garab, G., Involvement of Superoxide Dismutase in Heat-Induced Stimulation of Phytosystem i-Mediated Oxygen Uptake, **Biochem. Biophys. Res. Com.**, 174(2), 696-700, 1991.
6. Kadioğlu, A., Özbay, O., The Effects of Indole Acetic acid, Benzyl Adenine and Gibberellic Acid on Carbohydrate Level of *Chlamydomonas reinhardtii* and *Anacystis nidulans* Algs, **DOĞA-Tr. J. Botany**, 15, 133-141, 1991.
7. Kadioğlu, A., The Effect of Gibberellic Acid on Photosynthetic Pigments and Oxygen Evolution in *Chlamydomonas* and *Anacystis*, **Biologia Plantarum**, 34(1-2), 163-166, 1992.
8. Algur, Ö.F., Kadioğlu, A., The Effect of Vinasse on the Growth, Biomass and Primary Productivity in Pea (*Pisum sativum*) and Sunflower (*Heliantus annuus*), **Agriculture, Ecosys. and Enviroment**, 39, 139-144, 1992.
9. Kadioğlu, A., The Effect of indoleacetic Acid on Photosynthetic Pigments and Oxygen Evolution of *C. reinhardtii* and *A. nidulans*, **DOĞA-Tr. J. Botany**, 16(2), 187-194, 1992.
10. Kadioğlu, A., Özbay, O., The Effect of indoleacetic Acid, Benzyladenine and Gibberellic Acid on Cell Division of *Chlamydomonas reinhardtii* Under Continuous irradiation, **DOĞA-Tr. J. Botany**, 16(2), 215-222, 1992.
11. Kadioğlu, A., Effect of Benzyladenine on Photosynthetic Pigments and Oxygen Evolution in *C. reinhardtii* and *A. nidulans*, **Phyton** 34, 111-118, 1992.
12. Kadioğlu, A., Algur, Ö.F., Tests of Media With Vinasse for *Chlamydomonas reinhardtii* for Possible Reduction in Vinasse Pollution, **Bioresource Technology**, 41, 1-5, 1992.
13. Şenel, G., Kadioğlu, A., An Electrophoretical Study on Some Enzymes and Proteins of Four *Iris* Species, **DOĞA-Tr. J. Botany**, 16(3), 411-416, 1992.
14. Kadioğlu, A., Açar, G., The Effects of Some Plant Hormones on Soluble Protein Amount and Protein Profiles in *Chlamydomonas reinhardtii*, **DOĞA Tr. J. Botany**, 18, 5-8, 1994.
15. Kadioğlu, A., Effects of Temperature and pH on Photosynthetic Oxygen Evolution of *Chlamydomonas reinhardtii* and *Anacystis nidulans*. **DOĞA Tr. J. Botany** 18, 457-459, 1994.
16. Kadioğlu, A., Özbay, O., Effects of Heavy Metals on Chlorophyll Content and Cell Colony Number in *Chlamydomonas reinhardtii*, **DOĞA-Tr. J. Engineering and Environ. Sci.**, 19, 71-74, 1995.
17. Ayaz, F.A., Kadioğlu, A., Hayırlioğlu, S., Determination of Some Mono- and Disaccharides in the Fruits of *Diospyros lotus* L. Using Gas Chromatography, **DOĞA-Tr. J. Botany** 19, 493-495, 1995.
18. Ayaz, F.A., Kadioğlu, A., Effect of Heavy Metal on the Isoenzymes of Amylase and Peroxidase During Germination of Lentil (*Lens esculenta* L.) Seeds, **DOĞA-Tr. J. Botany** 20, 503-506, 1996
19. Ayaz, F.A., Kadioğlu, A., Effects of Heavy Metals (Zn, Cd, Cu and Hg) on the Soluble Protein Bands of Germinating *Lens esculenta* L. Seeds, **DOĞA-Tr. J. Botany** , 21, 85-88, 1997

20. Lajko, F., Kadioğlu, A., Borbely, G., Garab, G., Competition Between the Photosynthetic and the (Chloro)respiratory Electron Transport Chains in Cyanobacteria, Green Algae and Higher Plants. Effect of Heat Stress. **Photosynthetica**, 33(2), 217-226, 1997.
21. Ayaz, F.A., Kadioğlu, A., Reunanen, M., Var, M., Sugar Composition in Fruits of *Laurocerasus officinalis* Roem., and its Three Cultivars, **J. Food Composition Analysis** 10, 82-86, 1997.
22. Ayaz, F.A., Kadioğlu, A., Reunanen, M., Changes in Phenolic Acid Contents of *Diospyros lotus* L. during Fruit Development. **J Agric. Food Chem.** 45 (7), 2539-2541, 1997.
23. Yavru, İ., Kadioğlu, A., The Effects of Infusion Temperatures and Periods on Vitamin C Content infused from Fruits of Dog Rose (*Rosa canina* L.) **DOĞA-Tr. J. Botany** ,21, 323-327, 1997.
24. Kadioğlu, A., Durmuş, N., Effect of Benzyladenine on Peroxidase Activity During Senescence of Squash (*Cucurbita pepo* L.) Cotyledon. **Plant Peroxidase Newslett**, 10, 51-57, 1997.
25. Ayaz, F.A., Kadioğlu, A., Reunanen, M., Var, M., Phenolic Acid and Fatty Acid Composition in the Fruits of *Laurocerasus officinalis* Roem., and its Cultivars, **J. Food Composition Analysis.**, 10, 350-357, 1997.
26. Durmuş, N., Kadioğlu, A., Effect of Benzyladenine on Peroxidase Activity during Senescence of Sunflower (*Helianthus annuus* L.) Cotyledons. **Phyton**, 37, 253-261, 1997.
27. Kadioğlu, A., Yavru, İ., Changes in the Chemical Content and Polyphenol Oxidase Activity during Development and Ripening of Cherry Laurel Fruits. **Phyton**, 37, 241-251, 1997.
28. Ayaz, F.A., Kadioğlu, A., Hayırlıoğlu-Ayaz, S., Determination of Some Low Molecular Weight Carbohydrates from the Fruits of Cherry Laurel (*Laurocerasus officinalis* Roem) Using Gas Chromatography. **DOĞA-Tr. J. Botany** , 22, 65-68, 1998.
29. Ayaz, F.A., Kadioğlu, A., Nonvolatile Acid Composition During Fruit Development of *Diospyros lotus*. **DOĞA-Tr. J. Botany** , 22, 69-72, 1998.
30. Turgut, R., Kadioğlu, A., The Effect of Drought, Temperature and Irradiation on Leaf Rolling in *Ctenanthe setosa*. **Biologia Plantarum**, 41(4) 629-633, 1998.
31. Kadioğlu, A., Atalay, F., Induction of Parthenocarpy in *Rosa canina* and *Diospyros lotus* by the Application of Growth Regulators. **Biologia Plantarum**, 42(1), 155-157, 1999.
32. Ayaz, F., Kadioğlu, A., Doğru, A., Soluble Sugar composition of *Elaeagnus angustifolia* L. Var *orientalis* (L.) Kuntze (Russian-olive) fruits. **DOĞA-Tr. J. Botany**, 23, 349-354, 1999.
33. Kadioğlu, A., Turgut, R., Some Biochemical Changes during Leaf Rolling in *Ctenanthe setosa* (Marantaceae). **Acta Physiologiae Plantarum**, 21 (3): 209-214, 1999.
34. Durmuş, N., Taşlı, Ö., Kadioğlu, A., The Effect of Whey on the Growth of Some Algae, **Fresenius Environmental Bulletin**, 8: 296-303, 1999.
35. Ayaz, F., Kadioğlu, A., Fatty Acid Compositional Changes in Developing Persimmon (*Diospyros lotus* L.) Fruit, **New Zealand J. Crop and Horti Sci.**, 27, 257-261, 1999.
36. Ayaz, F., Kadioğlu, A., Turgut, R., Water stress effects on the content of low molecular weight carbohydrates and phenolic acids in *Ctenanthe setosa* (Rosca.) Eichler, **Canadian Journal of Plant Science**, 80: 373-378, 2000.
37. Palavan-Ünsal, N., Çetin, E., Kadioğlu, A., Boron Stress Affects the Peroxidase Activity, **Plant Peroxidase Newslett**, 15, 37-44, 2000.
38. Ayaz, F.A., Kadioğlu A. Changes in fatty acid composition of cherry laurel (*Laurocerasus officinalis* Roem. 'Globigemmis' fruit during maturation, **New Zealand J. Crop and Horti Sci.** 28, 209-212, 2000.
39. Ayaz, F.A., Kadioğlu A. Doğru, A. Leaf rolling effects on lipid and fatty acid composition in *Ctenanthe setosa* (Marantaceae) subjected to water-deficit stress. **Acta Physiol. Plant.** 23, 43-47, 2001.
40. Ayaz, F.A., Kadioğlu A., Bertoft, E., Acar, C., Turna, I. Effect of fruit maturation on sugar and organic acid composition in two blueberries (*Vaccinium arctostaphylos* and *V. myrtillus*) native to Turkey, **New Zealand J. Crop and Horti Sci.** 29, 137-141, 2001.
41. Aydın, N., Kadioğlu, A. Changes in the Chemical Composition, Polyphenol Oxidase and Peroxidase Activities during Development and Ripening of Medlar Fruits (*Mespilus germanica* L.). **Bulgarian J. Plant Physiology** 27 (3,4), 85-92, 2001.
42. Kadioğlu, A., Atalay, F. Development of seeded and seedless hypanthium of *Rosa canina* after application of growth substances. **Biologia Plantarum** 45 (3) 437-440, 2002.
43. Atalay, F., Kadioğlu, A. Effect of GA₃ and IAA applications on major biochemical changes *Diospyros lotus* L. Fruits. **Biologia**, 57(1): 125-130, 2002.
44. Dincer, B., Çolak, A., Aydın, N., Kadioğlu, A., Güner, S. Characterization of polyphenoloxidase from medlar fruits (*Mespilus germanica* L. Rosaceae). **Food Chemistry** 77(1): 1-7, 2002.
45. Kadioğlu A., Turgut, R., Palavan-Ünsal, N., Saruhan, N. Effect of polyamines on leaf rolling during drought stress in *Ctenanthe setosa* (Rosca.) Eichler, **Israel Journal of Plant Science**, 50(1), 19-23, 2002.

46. Saruhan, N., Kadioğlu, A., Durmuş, A. Alleviation of seed dormancy in *Plantago major* **Israel Journal of Plant Science**, 50 (3), 179-199, 2002.
47. Durmuş, N., Çoşkunçelebi, K., Kadioglu, A., Beyazoğlu, O., Phenolic and sugar compositions of some *Hieracium* L. (Asteraceae) leaves in north east anatolia, **Bulg. J. Plant Physiol.**, 28(1-2), 30-35, 2002.
48. Durmuş, N., Kadioğlu, A., Reduction of paraquat toxicity in maize leaves by benzyladenine. **Acta Biologica Hungarica** 56 (1-2), 97-107, 2005.
49. Durmuş, N., Kadioğlu, A., Spermine and Putrescine Enhance Oxidative Stress Tolerance in Maize Leaves. **Acta Physiologia Plantarum**, 27, (4A) 515-522, 2005.
50. Saruhan, N., Terzi, R., Kadioğlu, A. The Effects of Exogenous Polyamines on Some Biochemical Changes During Drought Stress in *Ctenanthe setosa* (Rosc.) Eichler. **Acta Biologica Hungarica**, 57 (2) 221-229, 2006.
51. Terzi, R., Kadioğlu, A., Drought Stress Tolerance and The Antioxidant Enzyme Systems in *Ctenanthe setosa*. **Acta Biol. Cracow Ser Bot.**, 48(2) 89-96, 2006.
52. **Kadioglu, A., Terzi, R.,** A Dehydration Avoidance Mechanism: Leaf Rolling. **The Botanical Rev.** 73(4): 290-302, 2007.
53. Sağlam, A., Kadioglu, A., Terzi, R., Saruhan, N. Leaf Rolling and Biochemical Changes in Them in Post-Stress Emerging *Ctenanthe setosa* Plants under Drought Conditions, **Russian J. Plant Physiol.** 55, 48-53, 2008.
54. Terzi, R., Saruhan, N., Sağlam, A., Nar, H., Kadioğlu, A. Photochemical Efficiency of Photosystem II (Functionality) and Some Antioxidant Enzyme Changes during Leaf Rolling in Post-Stress Emerging *Ctenanthe setosa* Exposed To Water Deficit Stress. **Acta Biologica Hungarica** 60 (4), 417-431, 2009.
55. Kutlu, N., Terzi, R., Tekeli, Ç., Şenel, G., Battal, P., Kadioglu, A., Changes in Anatomical Structure and Levels of Endogenous Phytohormones During Leaf Rolling of *C. setosa* Under Drought Stress. **Turk. J. Biology**, 33, 115-122, 2009.
56. Saruhan, N., Terzi, R., Sağlam, A., Kadioğlu, A. The Relationship between Leaf Rolling and Ascorbate-Glutathione Cycle Enzymes in Apoplastic and Symplastic Areas of *Ctenanthe setosa* Subjected to Drought Stress” **Biol. Research** 42, 315-326, 2009.
57. Nar, H., Sağlam, A., Terzi, R., Varkonyi, Z., Kadioglu, A., Leaf rolling and photosystem II efficiency in *Ctenanthe setosa* exposed to drought stress. **Photosynthetica** 47 (3), 429-436, 2009.
58. **Sağlam, A., Terzi, R., Nar, H., Saruhan, N., Ayaz, F.A., Kadioğlu, A.** Inorganic and organic solutes in apoplastic and symplastic spaces contribute to osmotic adjustment during leaf rolling. **Acta Biol Cracov Ser Bot** , 37(1), 37-44. 2010.
59. Saruhan, N., Terzi, R., Sağlam, A., Kadioğlu, A. Scavenging of reactive oxygen species in apoplastic and symplastic areas of rolled leaves in *Ctenanthe setosa* under drought stress, **Acta Biologica Hungarica** 60 (3), 282-289, 2010.
60. Terzi, R., Sağlam A., Kutlu, N., Nar, H., Kadioğlu, A. Impact of Soil Drought Stress on Photochemical Efficiency of Photosystem II and Antioxidant Enzyme Activities of *Phaseolus vulgaris* Cultivars, **Turk. J. Botany** 34, 1-10, 2010.
61. **Sağlam, A., Saruhan, N., Terzi, R., Kadioğlu, A.** The Relations between Antioxidant Enzymes and Chlorophyll Fluorescence Parameters in Common Bean Cultivars Differing in Sensitivity to Drought Stress. **Russian J. Plant Physiol.** 58,(1) 1-9, 2011.
62. Kadioglu, A., Saruhan, N., Sağlam, A., Terzi, R., Acet, T. Exogenous salicylic acid alleviates effects of long term drought stress and delays leaf rolling by inducing antioxidant system. **Plant Growth Regulation** 64, 27-37, 2011.
63. Kadioğlu, A., Terzi, R., Saruhan N., Sağlam A. Current advances in the investigation of leaf rolling caused by biotic and abiotic stress factors. **Plant Science.** 182, 42-48, 2012.
64. Saruhan, N., Sağlam, A., Kadioglu, A. Salicylic acid pretreatment induces drought tolerance and delays leaf rolling by inducing antioxidant systems in maize genotypes, **Acta Physiologiae Plantarum**, 34, 1, 97-106, 2012.
65. **Saruhan, N., Sağlam, A., Demiralay, M., Kadioglu, A.** Contribution of ABA and inorganic ions in apoplastic and symplastic areas to osmotic adjustment in bean genotypes during drought stress. **Turk. J. Biology**, 36, 151-160, 2012.
66. Demiralay, M., Sağlam, A., Kadioglu, A. Salicylic acid delays leaf rolling by inducing antioxidant enzymes and modulating osmoprotectant content in *Ctenanthe setosa* under osmotic stress **Turk. J. Biology** 37, 49-59, 2013.
67. Terzi, R., Saruhan, N., Kutlu, N., Kadioğlu, A. Lignification response for rolled leaves of *Ctenanthe setosa* under long-term drought stress, **Turk. J. Biology** 37, 614-619, 2013.
68. Terzi, R., Kadioglu, A., Kalaycioglu, E., Sağlam, A., Hydrogen peroxide pretreatment induces osmotic stress tolerance by influencing osmolyte and abscisic acid levels in maize leaves, **Journal of Plant Interactions**, 2014, DOI: [10.1080/17429145.2013.871077](https://doi.org/10.1080/17429145.2013.871077).
69. Sağlam, A., Kadioglu, A., Demiralay, A., and Terzi, R., Leaf rolling reduces photosynthetic loss in maize under severe drought. **Acta Bot. Croat.**, 73(2), 2014. DOI: 10.2478/botcro-2014-0012.

70. Sağlam, A., Kalaycıoğlu, E., Güven, F.G., Saruhan, N., Kadioglu, A., Demiralay, A., Hydrogen peroxide extends postharvest life of *Ctenanthe setosa* leaf cuts under osmotic stress by reducing leaf rolling. **Hort. Environ. Biotech.**, 55 (4), 308-314, 2014.

Presentations in International Meeting and Seminars

1. Kadioğlu, A., Özbay, O., The Relationship between the Extract of Oleander (*Nerium oleander* L.) and Abnormal Growth Caused by the Effect of Hormone in *Helianthus annuus* L., **9th National Biology Congress**, 21- 23 September, 1988, Sivas (Turkey).
2. Garab, G., Lajko, Kadioğlu, A., Mustardy, L., Martin, L., interaction between the Photosynthetic and Respiratory Electron Transport Chains in Higher Plant Cells, **Third Congress of The European Society for Photobiology**, 27 August-2 September, 1989, p. 269, Budapest (Hungary).
3. Garab, G., Lajko, F., Kadioğlu, A., Mustardy, L., interaction between the Photosynthetic and Respiratory Electron Transport Chains in Higher Plant Cells, **EMBO Workshop on Comparative Structure and Function of Membranes in Chloroplasts and Cyanobacteria**, 4-9 September, 1989, p. 12, Corfu (Greece)
4. Kadioğlu, A., Özbay, O., The Relations between Plant Growth Regulators and Protein, Carbohydrate and Lipid Levels in *Chlamydomonas*, **10th National Biology Congress**, 18-20 July, 1990, Erzurum (Turkey).
5. Kadioğlu, A., The Effects of Temperature, PH and Age of Culture on Chlororespiration in Algae, **10th National Biology Congress**, 18- 20 July, 1990, Erzurum (Turkey).
6. Kadioğlu, A., Ayaz, F. A., Effects of Some Heavy Metal ions on the Germination of Lentil Seeds (*Lens esculenta*) in the Levels of Protein and Enzymes, **13rd National Biology Congress**, 6-8 July, 1994, Edirne (Turkey).
7. Kadioğlu, A., Yavru, I., Investigation of Infusing Water of Vitamin C from Dog Rose (*Rosa canina* L.), **Dog Rose Symposium**, 5-6 September, 1996, Gümüşhane (Turkey).
8. Ayaz, F.A., Kadioğlu, A., Beyazoğlu, O., Çoşkunçelebi, K., Examination of Carboxylic Acids and other Some Chemicals in the Products of Dog Rose (*Rosa canina* L.), **Dog Rose Symposium**, 5-6 September, 1996, Gümüşhane (Turkey).
9. Durmuş, N., Kadioğlu, A., Yavru, i., Effect of Benzyladenine on Peroxidase Activity During Senescence of Squash (*Cucurbita maxima* L.) Cotyledons, **13rd National Biology Congress**, 17-20 September, 1996, Istanbul (Turkey).
10. Yavru, i., Kadioğlu, A., Durmuş, N., investigation of Changes in the Amounts of Some Organic Substances and Polyphenol Oxidase Activity during Ripening of Cherry Laurel Fruits (*Prunus laurocerasus* L.), **13rd National Biology Congress**, 17-20 September, 1996, Istanbul (Turkey).
11. Kadioğlu, A., Algur, ö.F., Beyazoğlu, O., The Effect of Vinasse on Environment and its Beneficial Utilization, **International Eurasian Congress on Environment and Peace**, 4-8 August, 1997, Giresun (Turkey).
12. Turgut, R., Kadioğlu, A., Durmuş, N., The Investigation of Adaptation Mechanisms against Some Stress Factors at the Morphological, Physiological and Biochemical Levels in *Ctenanthe setosa* (Marantaceae), **Symposium of The Molecular Bases of Stress Physiology in Plants**, 22-26 June, 1998, Bornova- İzmir, Turkey.
13. Atalay, F., Kadioğlu, A., The Effects of Some Plant Hormones on the Formation of Parthenocarpic Fruit in *Rosa canina* L. (Rosaceae), **Congress of XIV. National Biology**, 7-10 September, 1998, Samsun-Turkey.
14. Palavan-Ünsal, N., Çetin, E., Kadioğlu, A., Boron Stress Affects the Peroxidase Activity, **The 11th Congress of the Federation of European Societies of Plant Physiology**, 7-11 September, 1998, Varna- Bulgaria.
15. Durmuş, N., Taşlı, Ö., Kadioğlu, A., The Effect of Whey on the Growth of Some Algae, **Proceedings of 1st International Workshop on Environmental Quality and Environmental Engineering in the Middle East Region**, October 5-7, 1998, Konya-Turkey.
16. Kadioglu, A., Ayaz, F.A., Bayburt Yöresinde Yetişen İğde (*Elaeagnus angustifolia* L.) Meyvalarının Kimyasal Bileşimi ve Önemi, **10. Yılında Bayburt Vilayeti Sempozyumu**, 20-22 Temmuz, 1999, Bayburt.
17. Aydın, N., Ayaz, F.A., Kadioglu, A., Some Biochemical Changes in Developmental Period of Cherry Laurel (*Laurocerasus officinalis* cv. *Globigemmis*) Fruits, **1st International Symposium on Protection of Natural Environment and Ehlami Karaçam**, 23-25 September, 1999, Kütahya, Turkey.
18. Turgut, R., Kadioglu, A., Ayaz, F.A., Mechanism of Leaf Rolling in *Ctenanthe setosa*, **1st International Symposium on Protection of Natural Environment and Ehlami Karaçam**, 23-25 September, 1999, Kütahya, Turkey.
19. Doğru, A., Kadioglu, A., Ayaz, F.A., Effect of Foliar Phytohormone and Zinc Uptake on the Growth of *Zea mays* L. Seedling, **1st International Symposium on Protection of Natural Environment and Ehlami Karaçam**, 23-25 September, 1999, Kütahya, Turkey.

20. Kadioglu, A., Palavan-Ünsal N., Turgut, R., Ayaz, F.A., Effect of polyamines on leaf rolling in *Ctenanthe setosa*. **Second International Balkan Botanical Congress**, 14-18 May, 2000, Istanbul, Turkey
21. Kadioglu, A., Ayaz, F.A., Turgut, R., *Ctenanthe setosa*'da Kuraklık Stresi: Yaprak Kıvrılması ve Biyokimyasal Adaptasyon, **XV. Ulusal Biyoloji Kongresi**, 5-9 Eylül 2000, Ankara.
22. Durmuş, N., Kadioğlu, A., Protective Effects of Gibberellic Acid, Benzyladenine and Spermine on Oxidative Stress. **1st Eurasian Congress on Molecular Biotechnology, October 17-20, 2001, Trabzon-Turkey.**
23. Turgut, R., Kadioglu, A., *Ctenanthe setosa* (Rosc.) Eichler: A Resistance Plant to Water Deficit Stress. **1st Eurasian Congress on Molecular Biotechnology, October 17-20, 2001, Trabzon-Turkey.**
24. Çoşkunçelebi, K., Durmuş, N., Kadioglu, A., Sugar Compositions of Some Endemic *Hieracium* L. (Asteraceae) Species. **1st Eurasian Congress on Molecular Biotechnology, October 17-20, 2001, Trabzon-Turkey.**
25. Aydın, N., Kadioglu, A., Changes of Polyphenol Oxidase, Peroxidase and Food Composition during Development and Ripening of Blackberry Fruits. **1st Eurasian Congress on Molecular Biotechnology, October 17-20, 2001, Trabzon-Turkey.**
26. Saruhan, N., Turgut, R., Kadioglu, A., *Ctenanthe setosa* Bitkisine Dıştan Uygulanan Poliaminlerin Yaprak Kıvrılmasına Etkisinin Biyokimyasal Seviyede Araştırılması, **XVI. Ulusal Biyoloji Kongresi, 4-7 Eylül, 2002, Malatya.**
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