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ScopusID: 6602693286

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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri, Biyoloji, Turkey 1981 - 1997

Postgraduate, Karadeniz Technical University, Fen Bilimleri, Biyoloji, Turkey 1988 - 1991

Undergraduate, Karadeniz Technical University, Fen Fakültesi, Biyoloji, Turkey 1984 - 1988

Research Areas

Life Sciences, Plant Biology, Plant Anatomy, Systematic Botany, Natural Sciences

Academic Titles / Tasks

Professor, Karadeniz Technical University, Fen Fakültesi, Biyoloji, 2007 - Continues

Associate Professor, Karadeniz Technical University, Fen Fakültesi, Biyoloji, 2002 - 2007

Assistant Professor, Karadeniz Technical University, Fen Fakültesi, Biyoloji, 1999 - 2002

Research Assistant, Karadeniz Technical University, Fen Fakültesi, Biyoloji, 1992 - 1999

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The Phenolics and Antioxidant Properties of Black and Purple versus White Eggplant Cultivars**
ÇOLAK N., Kurt-Celebi A., Gruz J., Strnad M., Hayirlioglu-Ayaz S., Choung M., Esatbeyoglu T., AYAZ F. A.
MOLECULES, vol.27, no.8, 2022 (SCI-Expanded)
- II. ***Vitis vinifera* Turkish novel table grape 'Karaerik'. Part II: Non-anthocyanin phenolic composition and antioxidant capacity**
Perez-Navarro J., Hermosin-Gutierrez I., Gomez-Alonso S., Kurt-Celebi A., Çolak N., Hayirlioglu-Ayaz S., Ayaz F. A., Akpınar E.
JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, vol.102, no.2, pp.813-822, 2022 (SCI-Expanded)
- III. **Accumulation of Phenolic Compounds and Antioxidant Capacity during Berry Development in Black 'Isabel' Grape (*Vitis vinifera* L. x *Vitis labrusca* L.)**
Kurt-Celebi A., Çolak N., Hayirlioglu-Ayaz S., Velickovska S. K., Ilieva F., Esatbeyoglu T., Ayaz F. A.
MOLECULES, no.17, 2020 (SCI-Expanded)
- IV. ***Vitis vinifera* Turkish grape cultivar Karaerik. Part I: anthocyanin composition, and identification of a newly found anthocyanin[†]**

- İNCEER H., AYAZ S.
PLANT SYSTEMATICS AND EVOLUTION, vol.285, no.3-4, pp.149-157, 2010 (SCI-Expanded)
- XIX. **Karyotype variation within some native populations of oriental spruce (*Picea orientalis*) in Turkey**
İNCEER H., GÜNEY D., Hayirlioglu-Ayaz S., OZCAN M., TURNA İ., ÜÇLER A. Ö.
BIOLOGIA, no.6, pp.1076-1084, 2009 (SCI-Expanded)
- XX. **Genotoxic Effects of the Insecticide Cypermethrin on the Root Meristem Cells of Sunflowers (*Helianthus annuus* L.)**
İNCEER H., Hayirlioglu-Ayaz S., OZCAN M.
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, no.5, pp.652-656, 2009 (SCI-Expanded)
- XXI. **THREE NEW *Alchemilla* L. (Rosaceae) RECORDS FROM TURKEY**
Hayirlioglu-Ayaz S., İNCEER H.
PAKISTAN JOURNAL OF BOTANY, no.5, pp.2093-2096, 2009 (SCI-Expanded)
- XXII. **Characterization of Anthocyanins in Caucasian Blueberries (*Vaccinium arctostaphylos* L.) Native to Turkey**
Latti A. K., Kainulainen P. S., Hayirlioglu-Ayaz S., AYAZ F. A., Riihinen K. R.
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, no.12, pp.5244-5249, 2009 (SCI-Expanded)
- XXIII. ***Tripleurospermum ziganaense* (Asteraceae, Anthemideae), a new species from north-east Anatolia, Turkey**
İNCEER H., Hayirlioglu-Ayaz S.
BOTANICAL JOURNAL OF THE LINNEAN SOCIETY, no.4, pp.696-700, 2008 (SCI-Expanded)
- XXIV. **Chromosome counts of some *Cirsium* (Asteraceae, Cardueae) taxa from Turkey**
OZCAN M., HAYIRLIOGLU-AYAZ S., İNCEER H.
CARYOLOGIA, no.4, pp.375-382, 2008 (SCI-Expanded)
- XXV. **Phenolic acid contents of kale (*Brassica oleraceae* L. var. *acephala* DC.) extracts and their antioxidant and antibacterial activities**
AYAZ F. A., Hayirlioglu-Ayaz S., Alpay-Karaoglu S., GRUZ J., VALENTOVA K., ULRICHOVA J., STRNAD M.
FOOD CHEMISTRY, no.1, pp.19-25, 2008 (SCI-Expanded)
- XXVI. **Determination of chemical composition of anatolian carob pod (*Ceratonia siliqua* L.): Sugars, amino and organic acids, minerals and phenolic compounds**
Ayaz F. A., TORUN H., Ayaz S., CORREIA P. J., ALAIZ M., SANZ C., GRUZ J., STRNAD M.
JOURNAL OF FOOD QUALITY, vol.30, no.6, pp.1040-1055, 2007 (SCI-Expanded)
- XXVII. **Chromosome numbers of the twenty-two Turkish plant species**
İNCEER H., Hayirlioglu-Ayaz S., OZCAN M.
CARYOLOGIA, no.4, pp.349-357, 2007 (SCI-Expanded)
- XXVIII. **Chromosome numbers in the tribe Anthemideae (Asteraceae) from north-east Anatolia**
Inceer H., Hayirlioglu-Ayaz S.
BOTANICAL JOURNAL OF THE LINNEAN SOCIETY, no.2, pp.203-211, 2007 (SCI-Expanded)
- XXIX. **Karyotype analysis of some *Lathyrus* L. taxa (Fabaceae) from northeastern Anatolia**
OZCAN M., Hayirlioglu-Ayaz S., Inceer H.
ACTA BOTANICA GALLICA, no.3, pp.375-385, 2006 (SCI-Expanded)
- XXX. **Nutrient contents of kale (*Brassica oleraceae* L. var. *acephala* DC.)**
Ayaz F., Glew R., Millson M., Huang H., Chuang L., Sanz C., Hayirlioglu-Ayaz S.
FOOD CHEMISTRY, no.4, pp.572-579, 2006 (SCI-Expanded)
- XXXI. **Chromosome counts in the genus *Alchemilla* (*Rosaceae*) from SW Europe**
Hayirlioglu-Ayaz S., Inceer H., FROST-OLSEN P.
FOLIA GEOBOTANICA, no.3, pp.335-344, 2006 (SCI-Expanded)
- XXXII. **Notes on chromosome numbers and karyotypes of five species in *Hieracium* L. s.str. (Asteraceae) from Turkey**
Coskuncelebi K., Hayirlioglu-Ayaz S.
CARYOLOGIA, no.1, pp.19-24, 2006 (SCI-Expanded)
- XXXIII. **Separation, characterization, and quantitation of phenolic acids in a little-known blueberry**

- (*Vaccinium arctostaphylos* L.) fruit by HPLC-MS
Ayaz F. A., Hayirlioglu-Ayaz S., GRUZ J., NOVAK O., STRNAD M.
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, no.21, pp.8116-8122, 2005 (SCI-Expanded)
- XXXIV. **GC-MS analysis of chloroform extracts in flowers, stems, and roots of *Tripleurospermum callosum***
YASAR A., UCUNCU O., GULEC C., Inceer H., AYAZ S., YAYLI N.
Pharmaceutical Biology, vol.43, no.2, pp.108-112, 2005 (SCI-Expanded)
- XXXV. **Chromosome numbers of some species of the genus *Hieracium* Str. (Asteraceae) from Turkey**
HAYIRLIOGLU-AYAZ S., Inceer H.
FOLIA GEOBOTANICA, no.3, pp.319-325, 2004 (SCI-Expanded)
- XXXVI. **Chromosome counts of some *Primula* species (Primulaceae)**
HAYIRLIOGLU-AYAZ S., Inceer H.
BIOLOGIA, no.1, pp.45-48, 2003 (SCI-Expanded)
- XXXVII. **Cytotaxonomic studies on some *Euphorbia* L. (Euphorbiaceae) species in Turkey**
HAYIRLIOGLU-AYAZ S., Inceer H., BEYAZOGLU O.
PAKISTAN JOURNAL OF BOTANY, no.1, pp.27-31, 2002 (SCI-Expanded)
- XXXVIII. **Karyological study on some taxa of the genus *Lilium* L. (Liliaceae)**
Inceer H., HAYIRLIOGLU-AYAZ S., BEYAZOGLU O.
PAKISTAN JOURNAL OF BOTANY, no.1, pp.33-40, 2002 (SCI-Expanded)
- XXXIX. **Cytotaxonomic investigations on some taxa of the genus *Vicia* L. from north-eastern Anatolia**
Inceer H., HAYIRLIOGLU-AYAZ S., BEYAZOGLU O.
ACTA BOTANICA GALLICA, no.2, pp.125-138, 2002 (SCI-Expanded)
- XL. **Chromosome numbers of some *Carex* species from Northeast Anatolia**
Hayirlioglu-Ayaz S., Olgun A., Beyazoglu O.
BIOLOGIA, no.4, pp.381-387, 2001 (SCI-Expanded)
- XLI. **Total phenols and condensed tannins in the leaves of some *Alchemilla* species**
Ayaz F. A., Hayirlioglu-Ayaz S.
BIOLOGIA, no.4, pp.449-453, 2001 (SCI-Expanded)
- XLII. **Chromosome number of some *Alchemilla* L. (Rosaceae) species**
HAYIRLIOGLU-AYAZ S., Inceer H.
ACTA BIOLOGICA CRACOVIENSIA SERIES BOTANICA, pp.45-49, 2001 (SCI-Expanded)
- XLIII. **Chromosome numbers of *Alchemilla* series *Vulgares* from NE Anatolia (Turkey) - a preliminary report**
Hayirlioglu-Ayaz S., Beyazoglu O.
NORDIC JOURNAL OF BOTANY, no.4, pp.419-425, 2001 (SCI-Expanded)
- XLIV. **Chromosome counts of some *Alchemilla* species from series *Calycinae***
Hayirlioglu-Ayaz S., Beyazoglu O.
BIOLOGIA, no.4, pp.387-392, 2000 (SCI-Expanded)
- XLV. **Chromosome numbers in species of *Alchemilla* ser. *Elatae* (Rosaceae) in Turkey**
Hayirlioglu-Ayaz S., Beyazoglu O.
ANNALES BOTANICI FENNICI, no.3, pp.173-182, 2000 (SCI-Expanded)
- XLVI. **Karyotype analysis of some *Lilium* L. (Liliaceae) species from Turkey**
Inceer H., BEYAZOGLU O., HAYIRLIOGLU-AYAZ S.
PAKISTAN JOURNAL OF BOTANY, no.2, pp.315-321, 1999 (SCI-Expanded)
- XLVII. **C-banded chromosomes of four *Vicia* L., species**
Hayirlioglu-Ayaz S., Viinikka Y., Beyazoglu O.
PAKISTAN JOURNAL OF BOTANY, no.2, pp.307-313, 1999 (SCI-Expanded)
- XLVIII. **Fatty acid composition of leaf lipids of some *Alchemilla* L. (Rosaceae) species from Northeast Anatolia (Turkey)**
Ayaz F. A., Hayirlioglu-Ayaz S., BEYAZOGLU O.

GRASAS Y ACEITES, no.5, pp.341-344, 1999 (SCI-Expanded)

- XLIX. **determination of some Low Molecular Weight Carbohydrates from the Fruits of cherry Laurel (Laurocerasus officinalis Roem) Using Gas Chromatography**

AYAZ F. A., KADIOĞLU A., AYAZ S.

Turkish Journal of Botany, vol.22, pp.65-68, 1998 (SCI-Expanded)

Articles Published in Other Journals

- I. **Cytogenetic effects of copper chloride on the root tip cells of Helianthus annuus L**
İNCEER H., AYAZ S., BEYAZOĞLU O., Şentürk E.
Turkish Journal of Biology, vol.27, pp.43-46, 2003 (Peer-Reviewed Journal)
- II. **Determination of Some Mono- and Disaccharides in the Fruits of Diospyros lotus L. Using Gas Chromatography**
AYAZ F. A., KADIOĞLU A., AYAZ S.
TURKISH JOURNAL OF BOTANY, vol.19, pp.493-495, 1995 (Scopus)

Books & Book Chapters

- I. **Bitki çeşitliliği (Flora)**
AYAZ S., İNCEER H.
in: Başlangıçtan günümüze her yönüyle OF, Hikmet Öksüz, Mevhibe Çosar, Veysel Usta, Editor, Karadeniz Teknik Üniversitesi, Trabzon, pp.197-204, 2016

Refereed Congress / Symposium Publications in Proceedings

- I. **sugar composition in the achenes of three medicinal Matricaria L. (Asteraceae) taxa**
İmamoğlu K. V., İNCEER H., AYAZ S., ÖZCAN M., AYAZ F. A.
I. Inter national Congress on medicinal and aromatic plants, TABKON'xx17, Antalya, Turkey, 9 - 12 May 2017
- II. **Phenolic Compound Content and Antioxidant Capacity of Endemic Tripleurospermum baytopianum and T. repens (Asteraceae) from Turkey**
Karayığit B., İNCEER H., ÇOLAK N., AYAZ S., AYAZ F. A.
. International Congress on Medicinal and Aromatic Plants, 9 - 11 May 2017, pp.1338
- III. **Phenolic compound content and antioxidant capacity in fruits of some eggplant (Solanum melongena L.) cultivars**
Karayığit B., AYAZ S., Kurt A., ÇOLAK N., AYAZ F. A.
International Congress on Medicinal and Aromatic Plants, 9 - 11 May 2017
- IV. **Sugars and organic acids in berries of Erzincan black grape (Vitis vinifera 'xxKaraerik'xx)**
Kurt A., AYAZ S., ÇOLAK N., AKPINAR E., AYAZ F. A.
International Congress on Medicinal and Aromatic Plants, 9 - 11 May 2017, pp.1348
- V. **Total phenolic content and antioxidant capacity in some representatives of the tribe Anthemideae Asteraceae from Turkey**
ÇOLAK N., İNCEER H., AYAZ S., AYAZ F. A.
Symposium on EuroAsian Biodiversity, 23 - 27 May 2016
- VI. **Total Phenolic Content and Antioxidant Capacity in Some Representatives of Tribe Anthemideae (Asteraceae) from Turkey**
ÇOLAK N., İNCEER H., AYAZ S., AYAZ F. A.
symposium on euroasian biodiversity, Antalya, Turkey, 23 - 27 May 2016, vol.1, no.1, pp.264
- VII. **Micromorphological, anatomical and cytogenetical studies in endemic Crepis macropus Boiss. &**

Heldr. (Asteraceae) from Turkey

AKSU KALMUK N., İNCEER H., AYAZ S., İmamoğlu K. V., Duman Ö., Arslan G., Arslan G.
6. Balkan Botanical Congress, Rijeka, Croatia, 14 - 18 September 2015, pp.69

- VIII. **Üç Crepis L. (Asteraceae) Türünün Aken ve Pappus Mikromorfolojisi**
AKSU KALMUK N., AYAZ S., İNCEER H., İmamoğlu K. V.
22 Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014, pp.614
- IX. **Endemik Tripleurospermum conoclinium T. rosellum var. album Taksonlarında Aken Musilaj yapısı ve Fonksiyonu**
AKSU KALMUK N., İNCEER H., AYAZ S., Ustasüleyman M.
22 Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014, pp.955
- X. **Türkiye'de Yayılış Gösteren Üç Crepis L. (Asteraceae) Taksonun Karyolojik Yönden İncelenmesi**
AKSU KALMUK N., İmamoğlu K. V., İNCEER H., AYAZ S.
22 Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014, pp.639
- XI. **Crepis alpina ve C. syriaca'nın Gövde, Yaprak ve Aken Anatomisi ile Aken Mikromorfolojisi**
AKSU KALMUK N., İNCEER H., AYAZ S., İmamoğlu K. V., Duman Ö., Güner G., Arslan G.
22 Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014, pp.423
- XII. **İki Endemik Tripleurospermum Türünde (Asteraceae) Akenlerin Müsilaj Yapısı ve Fonksiyonu**
AKSU KALMUK N., İNCEER H., Ustasüleyman M., AYAZ S.
21. Ulusal Biyoloji Kongresi, İzmir, Turkey, 3 - 07 September 2012, pp.620-621
- XIII. **Türkiye'den Üç Crepis (Asteraceae) Taksonunun Karyotip Analizi**
AKSU KALMUK N., İNCEER H., AYAZ S.
21. Ulusal Biyoloji Kongresi, İzmir, Turkey, 3 - 07 September 2012, pp.555-556
- XIV. **The stem anatomy, karyology and fatty acid composition of endemic Tripleurospermum fissurale(Sosn.) E. Hossain from Turkey**
AKSU KALMUK N., İNCEER H., AYAZ S., Özcan M., Bal M.
Biosystematics, Berlin, Germany, 21 - 27 February 2011, pp.169
- XV. **Karyotype analysis of three Achillea L. (Asteraceae) taxa from Turkey**
AKSU KALMUK N., İNCEER H., AYAZ S.
Biosystematics, Berlin, Germany, 21 - 27 February 2011, pp.36-37
- XVI. **ENDEMİK TRIPLEUROSPERMUM CONOCLINIUM (BOISS. & BAL.) HAYEK VE T. HYGROPHILUM (BORNM.) BORNM. UN KARYOLOJİK YÖNDEN İNCELENMESİ**
AKSU KALMUK N., İNCEER H., AYAZ S., Özcan M.
20. Ulusal Biyoloji Kongresi, Denizli, Turkey, 21 - 25 June 2010, pp.471
- XVII. **CIRSIUM MACRDBOTRYS (c. KOCH) BoIss.,İN ANATOMİK YÖNDEN İNCELENMESİ**
ÖZCAN M., HAYIRLIOĞLU-AYAZ S., İNCEER H., AKSU N.
20. Ulusal Biyoloji Kongresi, Denizli, Turkey, 21 - 25 June 2010, pp.286-287
- XVIII. **Achillea Biebersteinii Afan. ve Achillea setacea Waldst.&Kit.'nın Karyotip Analizi**
AKSU KALMUK N., İNCEER H., AYAZ S., Özcan M.
20. Ulusal Biyoloji Kongresi, Denizli, Turkey, 21 - 25 June 2010, pp.471-472
- XIX. **CIRSIUM MACRDBOTRYS (c. KOCH) BoIss.,İN ANATOMİK YÖNDEN İNCELENMESİ**
AKSU KALMUK N., İNCEER H., AYAZ S., Özcan M.
20. Ulusal Biyoloji Kongresi, Denizli, Turkey, 21 - 25 June 2010, pp.286-287
- XX. **KARYOTYPE ANALYSIS OF THREE ENDEMIC TAXA IN TRIPLEUROSPERMUM SCH. BIP. (ASTERACEAE) FROM TURKEY AND ITS TAXONOMIC SIGNIFICANCE**
AKSU KALMUK N., İNCEER H., AYAZ S., Özcan M., Bal M.
XII Optima Meeting, Antalya, Turkey, 22 - 26 March 2010, pp.119
- XXI. **Essential oil composition of Matricaria chamomilla var chamomilla and var recutita from Turkey**
KÜRKÇÜOĞLU M., İNCEER H., AYAZ S., Başer K. H. C.
57 International congress and annual meeting of the society for medicinal plant and natural product reserch, 16 - 20 August 2009

Metrics

Publication: 73

Citation (WoS): 772

Citation (Scopus): 889

H-Index (WoS): 15

H-Index (Scopus): 15

Non Academic Experience

Karadeniz Teknik Üniversitesi