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International Researcher IDs

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Education Information

Doctorate, Ondokuz Mayıs University, Fen Bilimleri Enstit s , Biyoloji (Dr), Turkey 1989 - 1994

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstit s , Biyoloji (Yl) (Tezli), Turkey 1986 - 1989

Undergraduate, Ondokuz Mayıs University, Fen-Edebiyat Fak ltesi, Biyoloji B l m , Turkey 1982 - 1986

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, Ondokuz Mayıs  niversitesi Kurupelit Kampus sahası ve  evresindeki bazı Euphorbia L. t rleri  zerinde morfolojik ve kimyasal bir  alıřma, Ondokuz Mayıs University, Fen Bilimleri Enstit s , Biyoloji (Yl) (Tezli), 1989

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Ondokuz Mayıs University, Fen-Edebiyat Fak ltesi, Biyoloji B l m , 2018 - Continues

Associate Professor, Ondokuz Mayıs University, Fen-Edebiyat Fak ltesi, Biyoloji B l m , 2011 - Continues

Assistant Professor, Ondokuz Mayıs University, Fen-Edebiyat Fak ltesi, Biyoloji B l m , 2001 - Continues

Research Assistant, Ondokuz Mayıs University, Fen-Edebiyat Fak ltesi, Biyoloji B l m , 1987 - 2001

Courses

Botanik, Undergraduate, 2013 - 2014

Bitki Fizyolojisi, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

Bitki Anatomisi, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Assessing the effectiveness of in vitro and in situ symbiotic seed germination: case of *Anacamptis papilionacea* (L.)** RMBateman, Pridgeon & MW Chase
Harzli I., Özdener Kömpe Y.
SYMBIOSIS, vol.91, no.1-3, pp.91-100, 2023 (SCI-Expanded)
- II. **Phytochemical Analysis of *Anacamptis coriophora* Plant Cultivated Using Ex Vitro Symbiotic Propagation**
AYTAR E. C., Harzli I., Özdener Kömpe Y.
CHEMISTRY & BIODIVERSITY, vol.20, no.12, 2023 (SCI-Expanded)
- III. **Effect of different substrates on in vitro symbiotic seed germination for soilless production of *Anacamptis laxiflora* orchid**
Aytar E. C., Kömpe Y.
ACTA BOTANICA CROATICA, vol.82, no.2, pp.101-108, 2023 (SCI-Expanded)
- IV. **From seed to flowering tuberous orchid using ex vitro symbiotic seed germination: A breakthrough study with *Anacamptis sancta***
Deniz İ. G., Özdener Kömpe Y., Harzli I., Aytar E. C., Mutlu V. A., Uysal D. I.
RHIZOSPHERE, vol.24, 2022 (SCI-Expanded)
- V. **Fungal diversity and ex vitro symbiotic germination of *Serapias vomeracea* (Orchidaceae)**
Kömpe Y., Mutlu V. A., Özkoç İ., Demiray S., Bozkurt S.
Acta Botanica Croatica, vol.81, no.1, pp.108-116, 2022 (SCI-Expanded)
- VI. **Ex vitro symbiotic germination of the seeds of *Anacamptis coriophora* (L.) R.M. Bateman, Pritgeon & M.W. Chase and *Orchis anatolica* Boiss**
Kömpe Y., Mutlu V. A.
Biologia Futura, vol.72, no.4, pp.509-516, 2021 (SCI-Expanded)
- VII. **The viability of *Anacamptis laxiflora* (Orchidaceae) seeds and the symbiotic germination**
Kompe Y., Mutlu V. A., Özkoç İ.
Plant Biosystems, vol.154, no.6, pp.800-805, 2020 (SCI-Expanded)
- VIII. **Mycorrhizal fungi of some *Orchis* species of Turkey**
Mutlu V. A., Kömpe Y.
Pakistan Journal of Botany, vol.52, no.2, pp.687-695, 2020 (SCI-Expanded)
- IX. **Hepatoprotective effects of capsaicin and alpha-tocopherol on mitochondrial function in mice fed a high-fat diet**
ŞEKEROĞLU V., AYDIN KILIÇ B., ATLI ŞEKEROĞLU Z., Özdener Kömpe Y.
BIOMEDICINE & PHARMACOTHERAPY, vol.98, pp.821-825, 2018 (SCI-Expanded)
- X. **Analysis of plant growth and biochemical parameters in *Amsonia orientalis* after in vitro salt stress**
ACEMİ A., DUMAN Y., YÜZÜGÜLLÜ KARAKUŞ Y., Özdener Kömpe Y., ÖZEN F.
HORTICULTURE ENVIRONMENT AND BIOTECHNOLOGY, vol.58, no.3, pp.231-239, 2017 (SCI-Expanded)
- XI. **THE EFFECTS OF CADMIUM ON THE BIOCHEMICAL AND PHYSIOLOGICAL PARAMETERS OF *ERUCA SATIVA***
Özdener Kömpe Y., Sagioglu A.
ACTA BIOLOGICA HUNGARICA, vol.67, no.4, pp.393-402, 2016 (SCI-Expanded)
- XII. **THE EFFECTS OF CADMIUM ON THE ANTIOXIDATIVE RESPONSES OF LEAVES OF *Brassica oleracea* L. var. *acephala***
Demir E., Özdener Kömpe Y.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.24, no.12C, pp.4729-4737, 2015 (SCI-Expanded)
- XIII. **EFFECT OF HEXAVALENT CHROMIUM ON THE GROWTH AND PHYSIOLOGICAL AND BIOCHEMICAL PARAMETERS ON *BRASSICA OLERACEA* L. VAR. *ACEPHALA* DC**
Özdener Kömpe Y., AYDIN KILIÇ B., AYGÜN Ş. F., YÜREKLİ F.
ACTA BIOLOGICA HUNGARICA, vol.62, no.4, pp.463-476, 2011 (SCI-Expanded)
- XIV. **PHYSIOLOGICAL AND BIOCHEMICAL RESPONSES OF THE LEAVES OF *VERBASCUM***

WIEDEMANNIANUM FISCH & MEY. TO CADMIUM

Özdener Kömpe Y., Kutbay H. G.

PAKISTAN JOURNAL OF BOTANY, vol.43, no.3, pp.1521-1525, 2011 (SCI-Expanded)

XV. COPPER EFFECTS ON THE ANTIOXIDATIVE RESPONSES OF COPPER-TOLERANT *HIRSCHFELDIA INCANA* (L.) LEAVES

AYGÜN Ş. F., Özdener Kömpe Y., AYDIN KILIÇ B., Demir E., Ustaosman B. C.

FRESENIUS ENVIRONMENTAL BULLETIN, vol.20, no.8A, pp.2050-2058, 2011 (SCI-Expanded)

XVI. EFFECTS OF RADIOFREQUENCY ELECTROMAGNETIC FIELDS ON OXIDATIVE STRESS AND PHYSIOLOGICAL PARAMETERS OF WHEAT (*TRITICUM AESTIVUM* L. CV. GOLIA)

AYDIN KILIÇ B., Özdener Kömpe Y., Akar A.

FRESENIUS ENVIRONMENTAL BULLETIN, no.11, pp.2815-2823, 2011 (SCI-Expanded)

XVII. The effect of zinc on the growth and physiological and biochemical parameters in seedlings of *Eruca sativa* (L.) (Rocket)

Özdener Kömpe Y., AYDIN KILIÇ B.

ACTA PHYSIOLOGIAE PLANTARUM, vol.32, no.3, pp.469-476, 2010 (SCI-Expanded)

XVIII. TOXICITY OF COPPER, CADMIUM, NICKEL, LEAD AND ZINC ON SUEDE GERMINATION AND SEEDLING GROWTH IN *Eruca sativa*

Özdener Kömpe Y., Kutbay H. G.

FRESENIUS ENVIRONMENTAL BULLETIN, vol.18, no.1, pp.26-31, 2009 (SCI-Expanded)

XIX. TAXONOMIC VALUE OF SEED CHARACTERS IN ORCHIDS FROM TURKEY

Akcin T. A., Özdener Kömpe Y., Akcin A.

BELGIAN JOURNAL OF BOTANY, vol.142, no.2, pp.124-139, 2009 (SCI-Expanded)

XX. DETERMINATION OF AMELIORATING EFFECT OF SALICYLIC ACID ON TOXICITY OF ALUMINUM IN WHEAT ROOTS

Uysal D., Özdener Kömpe Y., AYDIN KILIÇ B., Demir E.

FRESENIUS ENVIRONMENTAL BULLETIN, vol.18, no.1, pp.32-39, 2009 (SCI-Expanded)

XXI. Effect of salinity and temperature on the germination of *Spergularia marina* seeds and ameliorating effect of ascorbic and salicylic acids

Özdener Kömpe Y., Kutbay H. G.

JOURNAL OF ENVIRONMENTAL BIOLOGY, vol.29, no.6, pp.959-964, 2008 (SCI-Expanded)

Articles Published in Other Journals

I. Conserving the Critically Endangered *Anacamptis coriophora* L. in Türkiye through Ex Vitro Seed Germination

HARZLI I., Özdener Kömpe Y.

Black Sea Journal of Engineering and Science, vol.7, no.2, pp.329-333, 2024 (Peer-Reviewed Journal)

II. A Class of Plant hormones with Different Properties and Special Aspects: Strigolactones

DURMAZ Ö., DURMAZ A., AYTAZ E. C., Özdener Kömpe Y.

Black Sea Journal of Engineering and Science, vol.6, no.4, pp.648-657, 2023 (Peer-Reviewed Journal)

III. Orkidelerin Geleneksel Kullanımları, Fitokimyasal İçerikleri ve Biyolojik Aktiviteleri

AYTAZ E. C., ÖZDENER KÖMPE Y.

Black Sea Journal of Engineering and Science, vol.4, no.3, 2021 (Peer-Reviewed Journal)

IV. In Vitro germination of the seeds of *Serapias orientalis* (Greuter) Bauman & Künkele (Orchidaceae)

MUTLU V. A., KÖMPE Y.

Türk Tarım ve Doğa Bilimleri Dergisi, vol.8, no.1, pp.85-93, 2021 (Peer-Reviewed Journal)

V. *Serapias orientalis*' in mikorizal fungus çeşitliliği

ÖZDENER KÖMPE Y., MUTLU V. A., ŞEHİRLİ H.

Artvin Çoruh Üniversitesi Orman Fakültesi Dergisi, vol.21, no.2, pp.301-309, 2020 (Peer-Reviewed Journal)

VI. Mycorrhizal diversity in some species of *Dactylorhiza* genus (Orchidaceae)

ÖZDENER KÖMPE Y., MUTLU V. A.

BIOLOGICAL DIVERSITY AND CONSERVATION, vol.10, no.1, pp.55-64, 2017 (Peer-Reviewed Journal)

- VII. **The effects of the seeds of *Galeopsis ladanum* on fattening performance in quails and occurrence of rhabdomyolysis in rats**

SALMAN M., Ömer Hakan M., GÜLBAHAR M. Y., ÖZDENER KÖMPE Y., SELÇUK Z.

African Journal of Biotechnology, vol.11, pp.14236-14241, 2012 (Peer-Reviewed Journal)

- VIII. **Effect of temperature light seed weight and gibberellic acid on the Seed Germination of *Verbascum bithynicum* Fisch And *Mey Verbascum wiedemannianum* Boiss and *Salvia dicroantha* Stapf in Denksechr**

EMEL Ş. D., ÖZDENER KÖMPE Y., DEMET İ.

PAKISTAN JOURNAL OF BIOLOGICAL SCIENCE, vol.10, no.7, pp.1118-1121, 2007 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Ex vitro Symbiotic Germination of Endemic *Dactylorhiza osmanica* subsp. *osmanica***
ŞEHİRLİ H., AYTAR E. C., Çökmez B., AKIN MUTLU V., ŞENTÜRK B., ÖZDENER KÖMPE Y.
3 rd International Congress on Plant Biology, Rize, Turkey, 21 September 2022
- II. **Ex vitro Symbiotic Germination of *Gymnadenia conopsea* Seeds**
AYTAR E. C., ŞEHİRLİ H., HARZLI İ., ÖZDENER KÖMPE Y.
3 rd International Congress on Plant Biology, Rize, Turkey, 21 - 23 September 2022
- III. **Fungal diversity of seeds of *S. vomeracea* subsp. *laxiflora* and effects of these fungi on seed germination**
Akin Mutlu V., ÖZKOÇ İ., ÖZDENER KÖMPE Y.
Ordiées Paris 2018, Paris, France, 23 - 25 March 2018
- IV. **Symbiotic germination of the seeds and the seedling development of *Serapias vomeracea* subsp. *laxiflora***
ÖZDENER KÖMPE Y., Akin Mutlu V., ÖZKOÇ İ.
Orchidees Paris 2018, 23 - 25 March 2018
- V. ***Orchis laxiflora* (Orchidaceae)'xxnın Mikorizal Fungus Çeşitliliği. International Congress of Agriculture and Environment**
MUTLU V. A., ÖZDENER KÖMPE Y.
International Congress of Agriculture and Environment-ANTALYA, 16 November - 18 December 2017
- VI. **Mycorrhizal Fungal Diversity of *Serapias orientalis* subsp. *orientalis* (Orchidaceae).**
MUTLU V. A., ÖZDENER KÖMPE Y.
International Ecology Symposium-KAYSERİ, 11 - 13 May 2017
- VII. **Germination of the Seeds of *Serapias orientalis* subsp. *orientalis* (Orchidaceae)**
ÖZDENER KÖMPE Y., DEMİRAY S.
International Ecology Symposium/KAYSERİ, 11 - 13 May 2017
- VIII. **Mycorrhizal fungal diversity in *Dactylorhiza* and *Orchis* spp. (Orchidaceae)**
MUTLU V. A., ÖZDENER KÖMPE Y.
International Final Conference Interactive Conservation Platform for orchids native to Greece and turkey-ANTALYA, Antalya, Turkey, 18 April - 21 December 2017, pp.48
- IX. **Orchids of samsun: What are we doing against the threat of extinction of orchids?**
ÖZDENER KÖMPE Y., MUTLU V. A.
International Final Conference Interactive Conservation Platform for orchids native to Greece and turkey-ANTALYA, Antalya, Turkey, 18 - 21 April 2017, pp.46
- X. **ÇORUM İLİ FLORASINDAKİ ENDEMİK VE NADİR BİTKİ TÜRLERİ**
KORKMAZ H., ÖZDENER KÖMPE Y.
Uluslararası Bütün Yönleriyle Çorum Sempozyumu / 28 - 30 NİSAN 2016, Çorum, Turkey, 28 - 30 April 2016, vol.1, pp.267-278

- XI. **Isolation and molecular characterization of endosymbionts from *Spiranthes spiralis* plants in different growing periods in Turkey**
ÖZKOÇ İ., ÖZDENER KÖMPE Y., VİLDAN AKIN M., SERHAT B.
International Conference on Temperate Orchids Research Conservation (TORC'15), Samos, Greece, 14 - 18 April 2015
- XII. ***Tulasnella* spp diversity of the roots of *Spiranthes spiralis* and in vitro and in situ germination of the seeds**
ÖZDENER KÖMPE Y., VİLDAN AKIN M., ÖZKOÇ İ., YÜKSEL E.
the International Conference on Temperate Orchids Research Conservation (TORC'15), 14 - 18 April 2015
- XIII. ***Tulasnella* spp diversity of the roots of *Spiranthes spiralis* in vitro in situ germination of its seeds**
ÖZDENER KÖMPE Y., AKIN MUTLU V., ÖZKOÇ İ., EMRE Y.
TORC'15 Orchid Conference, Samos, Greece, 13 - 19 April 2015

Supported Projects

Özdener Kömpe Y., Project Supported by Higher Education Institutions, *Dactylorhiza nielschalkiorum* (ORCHIDACEAE) tohumlarının çimlenme ve mikoriza fizyolojisi üzerine bir araştırma, 2015 - 2020

Özdener Kömpe Y., Project Supported by Higher Education Institutions, 18th European Orchid Council Conference and Exhibition, 2018 - 2019

Özdener Kömpe Y., Project Supported by Higher Education Institutions, *Serapias vomeracea* subsp. *laxiflora* (Soó) Gözl and Reinhard (Orchidaceae) Tohumlarının Doğal Şartlarda Çimlenme Fizyolojisinin Belirlenmesi ve Tohumdan Üretimi, 2015 - 2017

Özdener Kömpe Y., Project Supported by Higher Education Institutions, 5th International Orchid Workshop, 2016 - 2016

Özdener Kömpe Y., Project Supported by Higher Education Institutions, BIOCHEMICAL EFFECTS OF ARSENIC STRESS IN THE LEAVES OF HALOPHYTE *Cakile maritima* (SCOP.) PLANTS UNDER SALINITY, 2014 - 2016

Özdener Kömpe Y., Project Supported by Higher Education Institutions, International conference, Temperate orchids research and Conservation, 2015 - 2015