

Prof. Yasemin Özdener Kömpe

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International Researcher IDs

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Education Information

Doctorate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Biyoloji (Dr), Turkey 1989 - 1994

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), Turkey 1986 - 1989

Undergraduate, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, Turkey 1982 - 1986

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, Ondokuz Mayıs Üniversitesi Kurupelit Kampus sahası ve çevresindeki bazı Euphorbia L. türleri üzerinde morfolojik ve kimyasal bir çalışma, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), 1989

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 2018 - Continues

Associate Professor, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 2011 - Continues

Assistant Professor, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 2001 - Continues

Research Assistant, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 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., AYĞÜN 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 *SUED* 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