

Prof. Mehmet Emre Erez

Personal Information

Office Phone: [+90 432 444 5065](tel:+904324445065) Extension: 22211

Fax Phone: [+90 432 486 5413](tel:+904324865413)

Email: emreerez@yyu.edu.tr

Web: <https://avesis.yyu.edu.tr/emreerez>

International Researcher IDs

ORCID: 0000-0002-4944-365X

Yoksis Researcher ID: 202969

Education Information

Doctorate, Van Yüzüncü Yil University, Fen Bilimleri, Biyoloji/Botanik, Turkey 2005 - 2010

Postgraduate, Van Yüzüncü Yil University, Fen Bilimleri, Biyoloji/Botanik, Turkey 2002 - 2004

Undergraduate, Van Yüzüncü Yil University, Eğitim Fakültesi, Biyoloji, Turkey 1997 - 2001

Dissertations

Doctorate, *Lepidium draba* L., *Acroptilon repens* (L.) DC., *Thymus kotchyanus* Boiss&Hohen. var. *kotchyanus*, *Inula peacockiana* (Aitch.&Hemsl.) Koravin, *Salvia kronenburgei* Rech. f. ve *Phlomis armeniaca* Wild. bitkilerinin allelopatik potansiyellerinin araştırılması, Van Yüzüncü Yil University, Fen Edebiyat Fakültesi, Biyoloji, 2009

Postgraduate, Soğuk stresine maruz bırakılan mısır (*Zea mays* L.) bitkisinde, eksojen olarak uygulanan naftalen asetik asit (NAA), absisik asit (ABA), jasmonik asit (JA)'in etkileri ve anti-freeze proteinlerinin analizi, Van Yüzüncü Yil University, Fen Edebiyat Fakültesi, Biyoloji, 2004

Research Areas

Life Sciences, Plant Biology, Plant Physiology, Natural Sciences

Academic Titles / Tasks

Associate Professor, Van Yüzüncü Yil University, Fen Fakültesi, Moleküler Biyoloji ve Genetik Bölümü, 2019 - Continues

Assistant Professor, Siirt University, Fen Edebiyat Fakültesi, Biyoloji, 2011 - 2019

Research Assistant, Van Yüzüncü Yil University, Fen Fakültesi, Biyoloji Bölümü, 2005 - 2011

Academic and Administrative Experience

Siirt University, 2013 - 2015

Siirt University, 2013 - 2015

- I. **Evaluation of mTERF gene expressions in response to Phytophthora Capsici infection in pepper (*Capsicum annuum* L.) cultivars**
Altıntaş S., Kuru İ. S., Erez M. E., Çatkın S., Inal B., Bingöl Ö.
Physiological and Molecular Plant Pathology, vol.131, 2024 (SCI-Expanded)
- II. **Magnetic field effects on the physiologic and molecular pathway of wheat (*Triticum turgidum* L.) germination and seedling growth**
Erez M. E., Özbek M.
Acta Physiologiae Plantarum, vol.46, no.1, 2024 (SCI-Expanded)
- III. **Antioxidant, antimicrobial, cytotoxic and protective effects of truffles**
Fidan M., Ali M. M., Erez M. E., CİĞERCİ İ. H., ÖZDEMİR S., ŞEN F.
ANALYTICAL BIOCHEMISTRY, vol.641, 2022 (SCI-Expanded)
- IV. **Determination of Biological Activity and Active Substances of Thecocarpus Carvifolius (BOISS.) Hedge & Lamond**
Pınar S. M., Erez M. E., Fidan M., Erodlu H., Dalar A.
PHARMACEUTICAL CHEMISTRY JOURNAL, vol.54, no.11, pp.1157-1161, 2021 (SCI-Expanded)
- V. **Comparative Adaptation Responses of Melon (*Cucumis melo* L.) Genotypes to Salinity Stress**
Erdinc C., Inal B., Erez E., Ekinci alp A., Sensoy S.
Journal Of Agricultural Science And Technology, vol.23, no.2, pp.403-418, 2021 (SCI-Expanded)
- VI. **Physiological and gene-expression variations in watermelon (*Citrullus lanatus* L.) cultivars exposed to drought stress**
Erez M. E., Inal B., Karipçin M. Z., Altıntaş S.
Acta Societatis Botanicorum Poloniae, vol.89, no.2, 2020 (SCI-Expanded)
- VII. **Comprehensive appraisalment of antioxidant potential and phytochemical profile of native botanicals from Turkey**
Erez M. E., Dalar A., Fidan M., Pınar S. M.
JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, vol.13, no.4, pp.3230-3241, 2019 (SCI-Expanded)
- VIII. **Morphological, anatomical, palynological and ecological data on the local endemic dianthus vanensis (*Caryophyllaceae*) from Turkey**
Karaismailoglu M. C., Erez M. E., Pınar S. M., Fidan M. E., Eroğlu H.
Phytotaxa, vol.394, no.1, pp.71-78, 2019 (SCI-Expanded)
- IX. **The comparison of phenolic compounds content, antioxidant capacity and molecular analysis of some selected Turkish pear genotypes**
Ozrenk K., Erez M. E., Altintas S., Inal B.
Fresenius Environmental Bulletin, vol.27, no.1, pp.584-589, 2018 (SCI-Expanded)
- X. **Antioxidant capacity and phylogenetic analysis of twenty native grape cultivars in Siirt province, Turkey**
Fidan M., Erez M. E., Inal B., Pınar S. M., Altintas S.
CELLULAR AND MOLECULAR BIOLOGY, vol.64, no.7, pp.14-18, 2018 (SCI-Expanded)
- XI. **The comparison of total phenolic content, antioxidant capacity and molecular analysis of some selected Turkish apple (*Malus* spp.) genotypes**
Inal B., Ozrenk K., Erez M. E., Altintas S.
Applied Ecology and Environmental Research, vol.15, no.4, pp.2035-2044, 2017 (SCI-Expanded)
- XII. **Allelopathic effects of sage (*Salvia macrochlamys*) extract on germination of portulaca oleracea seeds**
Erez M. E.
ALLELOPATHY JOURNAL, no.35, pp.285-296, 2015 (SCI-Expanded)
- XIII. **Phytotoxic effect of *Lepidium draba* L. extracts on the germination and growth of monocot (*Zea mays* L.) and dicot (*Amaranthus retroflexus* L.) seeds**
KAYA Y., AKSAKAL Ö., Sunar S., Erturk F. A., Bozari S., AĞAR G., Erez M. E., Battal P.
Toxicology and Industrial Health, vol.31, no.3, pp.247-254, 2015 (SCI-Expanded)
- XIV. **An automatic identification method for the comparison of plant and honey pollen based on GLCM**

texture features and artificial neural network

Kaya Y., Erez M. E., Karabacak O., Kayci L., Fidan M.

Grana, vol.52, no.1, pp.71-77, 2013 (SCI-Expanded)

- XV. **An expert classification system of pollen of *Onopordum* using a rough set approach**
Kaya Y., Pınar S. M., Erez M. E., Fidan M.
Review of Palaeobotany and Palynology, vol.189, pp.50-56, 2013 (SCI-Expanded)
- XVI. **Determination of physiological responses on hyacinth (*Hyacinthus orientalis*) plant exposed to different salt concentrations**
Türkoğlu N., Erez M. E., Battal P.
African Journal of Biotechnology, vol.10, no.32, pp.6045-6051, 2011 (SCI-Expanded)
- XVII. **Electrochemical Behavior and Electroanalytical Determination of Indole-3-Acetic Acid Phytohormone on a Boron-Doped Diamond Electrode**
Yardımcı Y., Erez M. E.
Electroanalysis, vol.23, no.3, pp.667-673, 2011 (SCI-Expanded)
- XVIII. **Investigation of Some Physiological and Biochemical Parameters in *Pseudomonas syringae*-Infected Tomato Plants**
Berber I., ONLU H., Ekin S., Battal P., Erez M. E.
ASIAN JOURNAL OF CHEMISTRY, vol.22, no.6, pp.4898-4906, 2010 (SCI-Expanded)
- XIX. **Levels of Selected Trace Elements, Phytohormones, and Sugars in *Pseudomonas*-Infected *Lycopersicon esculentum* Mill Plants**
Berber I., Ekin S., Battal P., ONLU H., Erez M. E.
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.133, no.1, pp.98-109, 2010 (SCI-Expanded)
- XX. **Fatty acid, sugar and vitamin contents in rose hip species**
Yörük İ. H., Türker M., Kazankaya A., Erez M. E., Battal P., Çelik F.
ASIAN JOURNAL OF CHEMISTRY, vol.20, no.2, pp.1357-1364, 2008 (SCI-Expanded)
- XXI. **Molecular and physiological changes in maize (*Zea mays*) induced by exogenous NAA, ABA and MeJA during cold stress**
Battal P., Erez M. E., Türker M., BERBER I.
Annales Botanici Fennici, vol.45, no.3, pp.173-185, 2008 (SCI-Expanded)
- XXII. **Detection of free sugars in almond genotypes from eastern and western Turkey by HPLC**
BALTA M. F., Yoruk I. H., Kazankaya A., Battal P., EREZ M. E.
ASIAN JOURNAL OF CHEMISTRY, vol.19, no.7, pp.5659-5665, 2007 (SCI-Expanded)
- XXIII. **HPLC determination of sugar contents based on harvest season in almonds [*Prunus dulcis* (Mill.) D.A. Webb.]**
BALTA M. F., Yoeruek I. H., Dogan A., EREZ M. E., Battal P.
ASIAN JOURNAL OF CHEMISTRY, vol.19, no.6, pp.4873-4879, 2007 (SCI-Expanded)
- XXIV. **The effects of an artificial and static magnetic field on plant growth, chlorophyll and phytohormone levels in maize and sunflower plants**
Turker M., Temirci C., Battal P., EREZ M. E.
PHYTON-ANNALES REI BOTANICAE, vol.46, no.2, pp.271-284, 2007 (SCI-Expanded)
- XXV. **Phytohormone levels in germinating seeds of *Zea mays* L. exposed to selenium and aflatoxines**
AĞAR G., Türker M., Battal P., Erez M. E.
Ecotoxicology, vol.15, no.5, pp.443-450, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. **Investigation of bisphenol A (BPA) effects on germination and development of wheat and chickpea**
Adıgüzel K., Erez M. E.
Frontiers in Life Sciences and Related Technologies (Online), vol.5, no.2, pp.115-121, 2024 (Peer-Reviewed Journal)

- II. **Determination of sugar contents in Hyacinthella Schur bulbs and identification of sugars by cluster analysis method**
Acar M., Erez M. E., Erođlu H.
Anatolian Journal of Botany, vol.8, no.1, pp.60-64, 2024 (Peer-Reviewed Journal)
- III. **Effects of Different Magnetic Field Strengths and Duration on Seed Germination and Bacterial Growth**
ATLI V., EREZ M. E.
International Journal of Nature and Life Sciences, vol.7, no.2, pp.123-128, 2023 (Peer-Reviewed Journal)
- IV. **The Effects of Cadmium Concentrations on Germination and Physiological Parameters in Tomato (Solanum lycopersicum Lam.)**
BİNGÖL Ö., BATTAL A., EREZ M. E.
Journal of agricultural production (Online), vol.4, no.2, pp.111-116, 2023 (Peer-Reviewed Journal)
- V. **Kuraklık Stresi Uygulanmış ve Uygulanmamış Domates Bitkilerine Farklı Dozlarda Mangan Uygulamalarının Bitki Gelişimi Üzerine Etkisi**
Üzal Ö., Yaşar F., Erez M. E., Aktaş H., Baytin Alacı R., Kaymaz Ö., Hassan D. A., Yaşar Ö.
Ispec Journal of Agricultural Science, vol.7, no.1, pp.105-115, 2023 (Peer-Reviewed Journal)
- VI. **DETERMINATION OF EXTRACELLULAR HYDROLYTIC ENZYME CAPABILITIES OF SOME ANOXYBACILLUS ISOLATED FROM HOT SPRING ENVIRONMENTS**
Jarwais JAF W. H., EREZ M. E., ERTAŞ M.
Frontiers in Life Sciences and Related Technologies (Online), vol.3, no.2, pp.56-61, 2022 (Peer-Reviewed Journal)
- VII. **Altı Farklı Bitki Taksonunun Allelopatik Aktivitelerinin Belirlenmesi**
EREZ M. E., BATTAL P.
Dođu Fen BİLİMLERİ, vol.5, no.1, pp.30-38, 2022 (Peer-Reviewed Journal)
- VIII. **Determination of Allelopathic and Antimicrobial Effects of Four Different Plant Species**
EREZ M. E., BATTAL P.
International Journal of Nature and Life Sciences, vol.6, no.2, pp.79-89, 2022 (Peer-Reviewed Journal)
- IX. **Investigation of the allelopathic effects of lyophized ethanol extract of Xanthoparmelia somloensis (Gyelnik) Hale lichen on tomato plant**
BİNGÖL Ö., BATTAL A., EREZ M. E., ASLAN A.
Anatolian Journal of Botany, vol.6, no.1, pp.39-43, 2022 (Peer-Reviewed Journal)
- X. **The phenolic profile and biological activities of common Scorzonera species from Eastern Anatolia**
Babakr S. H., Emre M. E., Mukemre M., Dalar A.
International Journal of Secondary Metabolite, vol.9, no.4, pp.538-550, 2022 (Scopus)
- XI. **Salvia kurdica Boiss. & Hohen. ex Benth. ve Salvia pachystachys Trautv. Türlerinin Antioksidan Özellikleri ile Antibakteriyel Etkilerinin Belirlenmesi**
FİDAN M., PINAR S. M., EREZ M. E., İNAL B.
Hakkari University, vol.5, no.2, pp.19-29, 2022 (Peer-Reviewed Journal)
- XII. **Determination of Botanical Origin and Mineral Content of Propolis Samples from Balveren (Şırnak) Beekeepers Accommodation Areas**
FİDAN M., PINAR S. M., EREZ M. E., İNAL B., EROĐLU H.
Commagene Journal of Biology, vol.6, no.2, pp.165-171, 2022 (Scopus)
- XIII. **Comparative adaptations in halophytes (Salicornia Europaea L., Puccinellia Distans (JACQ.) parl., and Atriplex olivieri MOQ.) exposed to salt stress**
DURDU İ., BATTAL P., EREZ M. E.
International Journal of Botany Studies, vol.6, no.2, pp.71-75, 2021 (Peer-Reviewed Journal)
- XIV. **Etnobotanik Amaçlı Kullanılan Origanum acutidens Bitkisinin Toplam Fenolik Flavonoid İçeriđi, Fenolik Bileşikleri ve Element Analizi**
FİDAN M., TEĐİN İ., EREZ M. E., PINAR S. M., EROĐLU H.
ACADEMIC PLATFORM-JOURNAL OF ENGINEERING AND SCIENCE, vol.8, no.1, pp.1-14, 2020 (Peer-Reviewed Journal)
- XV. **Zivzik Narında Klon Seleksiyonu.**

PAKYÜREK M., EREZ M. E., ÖZRENK K., ATLI H. S., KELEŞ R., ŞAHİN M., Ertaş A.

EUROASIA JOURNAL OF MATHEMATICS-ENGINEERING NATURAL MEDICAL SCIENCES, vol.8, no.8, pp.160-169, 2020 (Peer-Reviewed Journal)

XVI. Total Phenolic-Flovonoid Content, Phenolic Compounds and Elemental Analysis of the *Origanum acutidens* Plant Used for Ethnobotanical Purpose

Fidan M., Teğın İ., Erez M. E., Pınar S. M., Eroğlu H.

Academic Platform Journal of Engineering and Science - APJES, vol.8, no.1, pp.49-55, 2020 (Peer-Reviewed Journal)

XVII. Siirt İlinde Yetiştirilen Bazı Üzüm Çeşitlerinin Tanımlanması ve Kalite Değerlerinin Belirlenmesi

EREZ M. E., FİDAN M., PINAR S. M., İNAL B., KAYA Y., ALTINTAŞ S.

Türkiye Tarımsal Araştırmalar Dergisi, vol.4, no.1, pp.31-42, 2017 (Peer-Reviewed Journal)

XVIII. Cevizlerde *Juglans regia* L Mevsimsel Kambiyal Aktivite ile Hormonal Değişiklikler Arasındaki İlişkiler

BATTAL P., YÖRÜK İ. H., KAZANKAYA A., EREZ M. E., MUSA T., DOĞAN A.

Bağbahçe Bilim Dergisi, vol.34, no.1, pp.217-224, 2005 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. DÖRT FARKLI BİTKİ TÜRÜNÜN METAL İÇERİĞİ TAYİNİNE KEMOMETRİK BİR YAKLAŞIM

Erez M. E., TEĞİN İ., DÖRTKARDEŞ M.

5th INTERNATIONAL CONFERENCE ON ENGINEERING & NATURAL SCIENCES, Van, Turkey, 20 - 22 December 2019, pp.677-686

II. BİTKİ EKSTRAKTLARININ, KÜLTÜR VE YABANCI OT BİTKİLERİNİNİN GELİŞİMİ ÜZERİNE ETKİLERİNİN İNCELENMESİ

Erez M. E., Battal P.

5 th INTERNATIONAL CONFERENCE ON ENGINEERING & NATURAL SCIENCES, Van, Turkey, 20 - 22 December 2019, pp.305-315

III. Lokal Endemik *Diplotaenia bingolensis*'in ICP-MS İle Element Analizi

TEĞİN İ., Fidan m., Erez M. E., Pınar S. M., Eroğlu H.

V. International Congress on Natural and Health Sciences, Adana, Turkey, 13 - 15 December 2019, pp.126-129

IV. Lokal Endemik *Diplotaenia bingolensis*'in Su ve Etanol Ekstraktlarının Biyolojik Aktivitelerinin Belirlenmesi

teğın i., Fidan m., Erez M. E., Pınar S. M., Eroğlu H.

3. ULUSLARARASI GAP MATEMATİK - MÜHENDİSLİK - FEN VE SAG ^ LİK BİLİMLERİ KONGRESİ, Şanlıurfa, Turkey, 29 November - 01 December 2019, pp.775-778

V. Determination of the Antioxidant Properties of Cefan Melon (*Cucumis Melo* L. C.V./ Cucurbitaceae) Grown in Siirt Province

Özok N., ÖZBEK A., Erez M. E.

4th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL & APPLIED SCIENCES, Ağrı, Turkey, 18 - 22 June 2019, pp.815-828

Supported Projects

Erez M. E., ACAR M., Project Supported by Higher Education Institutions, Türkiyede Yayılış Gösteren *Hyacinthella* Schur Dağ Sümbülü Türlerinin Metabolit ve Moleküler Özelliklerinin Belirlenmesi, 2022 - 2023

Erez M. E., ALTUNTAŞ S., Bingöl Ö., İNAL B., KURU İ. S., Project Supported by Higher Education Institutions, Biber Bitkisinde *Capsicum annum* L Kök Boğazı Çürüklüğüne Neden Olan *Phytophthora capsici* Leonianın Enzim Aktiviteleri ve Mitokondrial Düzenleyici Genlerin mTERF Üzerine Etkilerinin Belirlenmesi, 2021 - 2023

Bingöl Ö., Erez M. E., Battal A., Project Supported by Higher Education Institutions, Farklı Kadmiyum Konsantrasyonları

Uygulanan Domates (*Solanum lycopersicum* L.) Bitkisinde Liken Ekstraktının (*Xanthoparmelia somloensis* (Gyel.) Hale) Biyoremediasyon Potansiyelinin Araştırılması, 2021 - 2023
Yaşar F., Üzal Ö., Yaşar Ö., KAYMAZ Ö., HASSAN D., Baytin Alacı R., Tuğa H., Erez M. E., Project Supported by Higher Education Institutions, Kuraklık stresi uygulanmış ve uygulanmamış domates bitkilerine Farklı Dozlarda Mangan Uygulanarak Bitkide Meydana Gelecek Morfolojik ve Fizyolojik Değişimlerin Belirlenmesi, 2019 - 2023
Erez M. E., BABAKR S. H., Project Supported by Higher Education Institutions, Scorzonera cinsine ait Üç Farklı türün Antioksidan Antimikrobiyal ve Fitokimyasal Özelliklerinin Tespiti, 2020 - 2021
Erez M. E., ÖZBEK M., Project Supported by Higher Education Institutions, Statik Manyetik Alanın Makarnalık Buğday (*Triticum turgidum* L.) Bitkisinin Fizyolojik ve Gen Ekspresyonu Üzerine Etkilerinin Araştırılması, 2020 - 2021
Battal P., Erez M. E., Project Supported by Higher Education Institutions, Soğuk Stresine Maruz Bırakılan Mısır (*Zea mays* L.) Bitkisinde Eksojen Olarak Uygulanan Naftalen Asetik Asit (NAA), Absisik Asit (ABA), Jasmonik Asit (JA) in Etkileri ve Anti-freeze proteins., 2003 - 2014

Metrics

Publication: 51

Citation (WoS): 235

Citation (Scopus): 268

H-Index (WoS): 8

H-Index (Scopus): 10