



İSMAİL EMRAH TAVALI

ASSOC. PROF.

Email : etavali@akdeniz.edu.tr

Other Email : emrahtavali@gmail.com

Office Phone : [+90 242 227 4401](tel:+902422274401) Extension: 3748

Address : Akdeniz Üniversitesi Ziraat Fakültesi Toprak Bilimi ve Bitki Besleme Bölümü 3.Blok 1. Kat Kampüs/ANTALYA

International Researcher IDs

ScholarID: iuv11roAAAAJ

ORCID: 0000-0003-0083-194X

Publons / Web Of Science ResearcherID: AFN-9548-2022

Yoksis Researcher ID: 120430

Learning Knowledge

Doctorate
2012 - 2019

Akdeniz University, Institute of Science, Toprak Bilimi Ve Bitki Besleme, Turkey

Postgraduate
2009 - 2011

Akdeniz University, Institute of Science, Toprak Bilimi Ve Bitki Besleme, Turkey

Undergraduate
2003 - 2007

Akdeniz University, Faculty of Agriculture, Toprak Bilimi Ve Bitki Besleme, Turkey

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Quality Management, LABORATUAR AKREDİTASYON EĞİTİMİ, TÜRKAK, 2011

Quality Management, ICP-OES SYSTEM CERTIFICATE, PERKIN ELMER, 2010

Education Management and Planning, YABANCI DİL (İNGİLİZCE) KURSU, ARTI DİL KURSU, 2009

Dissertations

Doctorate, Vermikompost kullanımının sera koşullarında kıvrıkcık marul (*Lactuca sativa* Var. *Crispa*)'da toprak verimliliği ile fide üretimi, verim ve kalite özellikleri üzerine etkilerinin incelenmesi, Akdeniz University, Faculty of Agriculture, Department of Agrology and Plant Nutrition, 2019

Postgraduate, FARKLI DOZLARDA UYGULANAN VERMİKOMPOSTUN TOPRAĞIN ENZİM AKTİVİTESİ VE BAKTERİYEL VARLIĞI ÜZERİNE ETKİSİ, Akdeniz University, Institute of Science, Toprak Bilimi Ve Bitki Besleme, 2011

Academic Titles / Tasks

Associate Professor 2023 - Continues	Akdeniz University, Faculty of Agriculture, Department of Agrology and Plant Nutrition
Assistant Professor 2022 - 2023	Akdeniz University, Faculty of Agriculture, Department of Agrology and Plant Nutrition
Lecturer 2018 - 2022	Alanya Alaaddin Keykubat University, Gazipaşa Mustafa Rahmi Büyükballi Vocational School, Department Of Plant And Animal Production
Research Assistant 2009 - 2018	Akdeniz University, Institute of Science, Institute of Science

Supported Projects

- Tavali İ. E., Eken A. C., Project Supported by Higher Education Institutions, Serada Azaltılmış Gübreleme ile Birlikte Fosfor Çözücü Bakteri İçeren Mikrobiyal Gübrelemenin Kireçli Toprağın Biyolojik Özellikleri ile Patlıcan (*Solanum melongena* L.) Gelişimi Üzerine Etkilerinin İncelenmesi, 2023 - 2024
- Tavali İ. E., Öndağ E., Project Supported by Higher Education Institutions, İşlenmiş Organik Gübrelerin Kavun (*Cucumis melo* L.) ve Karpuz (*Citrullus lanatus* Thunb.) Yetiştirilen Kumlu-Kireçli Toprağın Biyolojik Özellikleri ile Bitki Gelişimleri Üzerine Etkilerinin İncelenmesi, 2023 - 2024
- Tavali İ. E., Arslan F., Project Supported by Higher Education Institutions, BİTKİSEL VE HAYVANSAL ÜRETİM BÖLÜMÜ ÖĞRENCİ VE ARAŞTIRMA LABORATUVARLARI ALTYAPI PROJESİ, 2020 - 2021
- UZ İ., TAVALI İ. E., Project Supported by Higher Education Institutions, Vermikompost Kullanımının Sera Koşullarında Kıvrıkcık Marul (*Lactuca sativa* var. *crispa*)'da Toprak Verimliliği ile Fide Üretimi, Verim ve Kalite Özellikleri Üzerine Etkilerinin İncelenmesi, 2017 - 2019
- UZ İ., Sönmez S., Tavali İ. E., Çıtak S., Üras D. S., Özsayın S., Project Supported by Higher Education Institutions, Effects of Vermicompost applied in different rates on nutrition of Leek and Celery Plants and Some Soil Microbial Properties Under Field Conditions, 2011 - 2014
- Tavali İ. E., Uz İ., Project Supported by Higher Education Institutions, Effect of Vermicompost Application on Soil Enzyme Activity and Bacterial Number, 2010 - 2011

Awards

- Tavali İ. E., Ok H., UBYT Yayın Teşvik, TÜbitak, July 2023
- Maltaş A. Ş., Tavali İ. E., Uz İ., Kaplan M., Yayın Teşvik Ödülü, Ulakbim Ubyt Programı, March 2023
- MERT M., ŞAHİN R., GÖKOĞLU N., GÖKOĞLU N., TAVALI İ. E., KONAK Ü. İ., yayın teşvik, TÜBİTAK, August 2014
- TAVALI İ. E., Onur Ödülü, Kara Kuvvetleri Komutanlığı 4. Kara Havacılık Komutanlığı, November 2008

Scholarships

Parasız Yatılılık ve Bursluluk, Ministry of Education, 1994 - 1995

Jury Memberships

Post Graduate, Post Graduate, Akdeniz Üniversitesi, July, 2023
Post Graduate, Post Graduate, Akdeniz Üniversitesi, February, 2023
Post Graduate, Post Graduate, Akdeniz Üniversitesi, December, 2022
Post Graduate, Post Graduate, Akdeniz Üniversitesi, December, 2022
Doctoral Examination, Doctoral Examination, Akdeniz Üniversitesi, June, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- 1. Micronutrient and heavy metal bioaccumulation in Bermuda grass (*Cynodon dactylon* L. Pers) grown in calcareous soil using stabilized and dried sewage sludge**
Ok H., Orman Ş., Tolay İ., Tavali İ. E.
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.52, no.3, pp.1-12, 2024 (SCI-Expanded)
- 2. Monitoring the effects of pH and EC regulated drip fertigation on microbial dynamics of calcareous soil in tomato (*Solanum lycopersicum* L.) cultivation under greenhouse conditions in a Mediterranean climate**
MALTAŞ A. Ş., TAVALI İ. E., UZ İ., KAPLAN M.
Scientia Horticulturae, vol.306, 2022 (SCI-Expanded)
- 3. Comparison of Heat-Treated and Unheated Vermicompost on Biological Properties of Calcareous Soil and Aloe Vera Growth under Greenhouse Conditions in a Mediterranean Climate**
TAVALI İ. E., Ok H.
Agronomy, vol.12, no.11, 2022 (SCI-Expanded)
- 4. Short-term effect of biochar on the improvement of calcareous soil biological properties and marjoram (*Origanum majorana* L.) growth under greenhouse conditions in a Mediterranean climate**
TAVALI İ. E.
Notulae Botanicae Horti Agrobotanici Cluj-Napoca, vol.50, no.2, 2022 (SCI-Expanded)
- 5. Monitoring the Changes in the Microbial Dynamics of Calcareous Soil with the Amendment of Stabilized and Dried Sewage Sludge in Mediterranean Region of Turkey**
Tavali I. E., ORMAN Ş., Ozgur A., UZ İ., Sulaman S.
POLISH JOURNAL OF ENVIRONMENTAL STUDIES, vol.30, no.6, pp.5263-5271, 2021 (SCI-Expanded)
- 6. Short-term effect of compost amendment on the fertility of calcareous soil and basil growth**
Tavali İ. E.
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, vol.52, no.2, pp.172-182, 2021 (SCI-Expanded)
- 7. Short-Term Effects of Solid and Liquid Manure Amendments on Microbial Activity of an Alkaline Soil with High Lime Content during Horticultural Plant Growing**
Tavali I. E., MALTAŞ A. Ş., UZ İ., KAPLAN M.
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, vol.50, no.21, pp.2767-2776, 2019 (SCI-Expanded)
- 8. Effect of Vermicompost Application on Fertility of Calcareous Soil at Summer Squash (*Cucurbita pepo*) Cultivation**
Tavali İ. E.
Fresenius Environmental Bulletin, vol.28, no.12, pp.9486-9494, 2019 (SCI-Expanded)
- 9. Effect of Vermicompost on Chemical and Biological Properties of an Alkaline Soil with High Lime Content during Celery (*Apium graveolens* L. var. dulce Mill.) Production**
UZ İ., SÖNMEZ S., Tavali I. E., Çıtak S., Uras D. S., Çıtak S.
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.44, no.1, pp.280-290, 2016 (SCI-Expanded)
- 10. Short-Term Effect of Vermicompost Application on Biological Properties of an Alkaline Soil with High Lime Content from Mediterranean Region of Turkey**
UZ İ., Tavali I. E.
SCIENTIFIC WORLD JOURNAL, vol.2014, 2014 (SCI-Expanded)

Articles Published in Other Journals

- 1. Evaluation of sewage sludge effects on soil fertility and silage maize growth**
ZAMBAK A., ORMAN Ş., OK H., TAVALI İ. E.
Mediterranean Agricultural Sciences, vol.36, no.3, pp.147-152, 2023 (Peer-Reviewed Journal)
- 2. Monitoring the Short-Term Effect of Banana Waste Compost on the Enzymatic Activities of Soil Associated with Nitrogen and Phosphorus**
TAVALI İ. E.
Uluslararası Tarım ve Yaban Hayatı Bilimleri Dergisi, vol.8, no.2, pp.328-339, 2022 (Peer-Reviewed Journal)
- 3. Efficiency of composted vinasse in the production of basil (*Ocimum basilicum* L.) under greenhouse conditions**
TAVALI İ. E., YALÇIN ELİDEMİR A., ÇINAR A., AŞIKLI S., ÇINAR O., KARADENİZ YAVUZ C. F., UYAR S.
Mediterranean Agricultural Sciences, vol.34, no.2, pp.233-239, 2021 (Peer-Reviewed Journal)
- 4. Vermicompost application in red cabbage (*Brassica oleracea* var. *capitata* f. *rubra*) cultivation**
Maltaş A. Ş., Tavalı İ. E., Uz İ., Kaplan M.
Mediterranean Agricultural Sciences, vol.30, no.2, pp.155-161, 2017 (Peer-Reviewed Journal)
- 5. The effect of vermicompost and chicken manure on yield and quality of summer squash (*Cucurbita pepo* L. cv. *Sakiz*) and some soil chemical properties**
Tavalı İ. E., Uz İ., Orman Ş.
Akdeniz Üniversitesi Ziraat Fakültesi Dergisi, vol.27, no.2, pp.119-124, 2014 (Peer-Reviewed Journal)
- 6. The effect of vermicompost on yield, quality and nutritional status of white cabbage (*Brassica oleracea* var. *Alba*)**
Tavalı İ. E., Maltaş A. Ş., Uz İ., Kaplan M.
Akdeniz Üniversitesi Ziraat Fakültesi Dergisi, vol.27, pp.61-67, 2014 (Peer-Reviewed Journal)
- 7. The effect of vermicompost on yield, quality and nutritional status of cauliflower (*Brassica oleracea* var. *botrytis*)**
Tavalı İ. E., Maltaş A. Ş., Uz İ., Kaplan M.
Akdeniz Üniversitesi Ziraat Fakültesi Dergisi, no.26, pp.115-120, 2013 (Peer-Reviewed Journal)
- 8. Vermikompostun sürdürülebilir tarımsal üretimde kullanımı**
TAVALI İ. E., UZ İ.
Hasad Bitkisel Üretim Dergisi, vol.27, no.314, pp.106-110, 2011 (Peer-Reviewed Journal)

Books & Book Chapters

- 1. Evaluation of Biofertilizer Potentials of Epiphytic and Endophytic Bacterial Isolates**
TAVALI İ. E.
in: Multifaceted Academic Perspective: Agriculture, Forestry and Engineering Sciences Research, EMEN Fatih Mehmet, Editor, SRA Academic Publishing, Klaipeda, pp.113-134, 2023
- 2. Evaluation of the Effects of Organic Amendments on Soil Microbial Dynamics In Terms Of Sustainable Soil Fertility**
TAVALI İ. E.
in: ACADEMIC RESEARCH AND REVIEWS in AGRICULTURE, FORESTRY and AQUACULTURE SCIENCES, Atik Atilla, Editor, Duvar Publishing, pp.43-59, 2021
- 3. The Importance of Using Culture-Independent Molecular Methods in Nitrogen-Related Soil Microbial Ecology Studies**
TAVALI İ. E.
in: CURRENT STUDIES in AGRICULTURE, FORESTRY and AQUACULTURE SCIENCE, Daşdemir İsmet, Editor, Duvar Publishing, İzmir, pp.5-31, 2021

Refereed Congress / Symposium Publications in Proceedings

1. **THE ROLE OF ORGANIC FERTILIZER ON CROP PRODUCTION IN AFGOI-SOMALIA**
Amir H. Y., OK H., TAVALI İ. E.
VI. International Agricultural, Biological and Life Sciences Conference (AGBIOL 2024), Edirne, Turkey, 18 September 2024
2. **APPROACHES TO OBTAINING OPTIMUM BENEFIT FROM MICROBIAL PRODUCTS USED IN PLANT PRODUCTION**
Eken A. C., TAVALI İ. E., OK H.
VI. International Agricultural, Biological and Life Sciences Conference (AGBIOL 2024), Edirne, Turkey, 18 September 2024
3. **Effect of Salinity Stress on Biochemical, Growth, and Yield Characteristics of Wheat**
Haider W., OK H., TAVALI İ. E.
V. INTERNATIONAL AGRICULTURAL, BIOLOGICAL & LIFE SCIENCE CONFERENCE 18-20, 2023, Edirne, Turkey, Edirne, Turkey, 18 September 2023
4. **Phytochemical Analysis and Identification of Bioactive Compounds in Spinach Leaves (*Spinacia oleracea* L.)**
OK H., TAVALI İ. E.
V. INTERNATIONAL AGRICULTURAL, BIOLOGICAL & LIFE SCIENCE CONFERENCE 18-20, 2023, Edirne, Turkey, Edirne, Turkey, 18 September 2023
5. **The Importance of Soil Fertility for Sustainable Yield and Quality Management in Avocado Cultivation in Turkey**
OK H., TAVALI İ. E.
IV. BALKAN AGRICULTURAL CONGRESS, Edirne, Turkey, 31 August 2022
6. **Evaluation Of The Effects Of Rhizobacteria Isolated From The Rhizosphere Of Medicinal And Aromatic Plants On Plant Growth**
TAVALI İ. E.
ISPEC 1st INTERNATIONAL AGRICULTURAL RESEARCH CONGRESS, Adana, Turkey, 08 April 2022
7. **Assessment of the Relationship of Vermicompost and Soil Enzymes in Sustainable Soil Fertility**
TAVALI İ. E., OK H.
International Congress on Agriculture in ALANYA, Agriculture in the WORLD (ICAAW 2021), Alanya, Turkey, 29 October 2021
8. **Evaluation of the Effects of Heavy Metal Pollution on Soil Fertility and Crop Production**
OK H., TAVALI İ. E.
III. INTERNATIONAL CONFERENCE ON AGRICULTURAL, BIOLOGICAL AND LIFE SCIENCE (AGBIOL) 2021, Edirne, Turkey, 01 September 2021
9. **Sustainable Yield and Quality Management In Banana Cultivation In Turkey**
OK H., TAVALI İ. E., AŞIKLI S.
IV. INTERNATIONAL EURASIAN AGRICULTURE AND NATURAL SCIENCE CONGRESS, Turkey, 30 October 2020
10. **Effect of heat treatment with vermicompost on soil biological and chemical properties related to nitrogen**
Tavali İ. E., Uz İ.
8. Ulusal Bitki Besleme ve Gübre Kongresi, Antalya, Turkey, 12 - 15 March 2019, pp.74
11. **Vermicompost Application in Vegetable Seedling Cultivation**
Tavali İ. E., Uz İ.
Doğal 2018 (Natural 2018) AVRASYA Doğal Beslenme ve Sağlıklı Yaşam Zirvesi'2018 (International EURASIAN Natural Nutrition and Healthy Life Summit 2018), Ankara, Turkey, 12 - 15 July 2018, pp.291-292
12. **Utilization of vermicompost in horticultural plant growing**
TAVALI İ. E., MALTAŞ A. Ş., UZ İ., KAPLAN M.
5. ULUSLARARASI KATILIMLI TOPRAK VE SU KAYNAKLARI KONGRESİ, Kırklareli, Turkey, 12 - 15 September 2017, pp.198

13. **Identification and classification of soil microbial communities responsible for the nitrogen cycle**
TAVALI İ. E., OK H.
5.ULUSLARARASI KATILIMLI TOPRAK VE SU KAYNAKLARI KONGRESİ, Kırklareli, Turkey, 12 - 15 September 2017, pp.205
14. **Advantages and risks of using sewage sludge in agriculture**
OK H., ORMAN Ş., TAVALI İ. E.
5.ULUSLARARASI KATILIMLI TOPRAK VE SU KAYNAKLARI KONGRESİ, Kırklareli, Turkey, 12 - 15 September 2017, pp.199
15. **Effect of sewage sludge on microbial dynamics of soil**
OK H., TAVALI İ. E., MALTAŞ A. Ş., ORMAN Ş.
5th INTERNATIONAL PARTICIPATION SOILAND WATER RESOURCES CONGRESS, Kırklareli, Turkey, 12 - 15 September 2017, pp.206
16. **Effect of vermicompost and chicken manure on yield and quality of summer squash (Cucurbita pepoL.cv. Sakız) and soil physical and chemical properties**
Tavali İ. E., Uz İ., Orman Ş.
9th International Soil Science Congress on The Soul of Soil and Civilization, Antalya, Turkey, 14 - 16 October 2014, pp.662
17. **Effect of vermicompost application on soil alkaline phosphatase activity and available phosphorus content**
Tavali İ. E., Uz İ.
8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management, İzmir, Turkey, 15 - 17 May 2012, vol.5, pp.607-612

Other Publications

1. **İklim değişikliğinin bitki besleme ve toprak mikrobiyolojisi üzerine etkilerinin değerlendirilmesi**
Tavali İ. E., Ok H.
Other, pp.80-81, 2023
2. **Toprak Sağlığı**
Tavali İ. E.
Other, pp.74-83, 2022
3. **Sürdürülebilir gıdanın şifresi: Karbon tarımı**
Tavali İ. E.
Other, pp.50-54, 2022

Expert Reports

1. **2015/112**
TAVALI İ. E., MALTAŞ A. Ş., GÖZÜKARA G.
Manavgat 3.Asliye Hukuk Mahkemesi, pp.7, Antalya, 2016

Academic and Administrative Experience

2023 - Continues	Fakülte Kurulu Üyesi	Akdeniz University, Faculty Of Agriculture, Department of Agrology and Plant Nutrition
2022 - Continues	Deputy Head of Department	Akdeniz University, Faculty Of Agriculture, Department of Agrology and Plant Nutrition

Courses

Toprak Bilgisi, Undergraduate, 2022 - 2023
Toprakta Mikrobiyolojik Analiz Teknikleri, Postgraduate, 2022 - 2023
Danışmanlık, Postgraduate, 2022 - 2023
Uzmanlık Alan Dersi, Postgraduate, 2022 - 2023
Kariyer Planlama, Undergraduate, 2023 - 2024
Mikroorganizmalar ve Organik Gübreler, Postgraduate, 2023 - 2024
Soil Ecology, Undergraduate, 2022 - 2023
Toprak Biyolojisi ve Biyokimyası, Undergraduate, 2023 - 2024
Uzmanlık Alan Dersi, Postgraduate, 2022 - 2023
Danışmanlık, Postgraduate, 2022 - 2023

Memberships / Tasks in Scientific Organizations

TMMOB Ziraat Mühendisleri Odası, Member, 2009 - 2016

Scientific Refereeing

JOURNAL OF AGRICULTURAL SCIENCES, Journal Indexed in SCI-E, August 2024
Mediterranean Agricultural Sciences, National Scientific Refreed Journal, June 2024
Sinop Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, February 2024
BIOMASS CONVERSION AND BIOREFINERY, Journal Indexed in SCI-E, August 2023
Ege Üniversitesi Ziraat Fakültesi Dergisi, National Scientific Refreed Journal, March 2023
Artvin Çoruh Üniversitesi Orman Fakültesi Dergisi, National Scientific Refreed Journal, February 2023
Adnan Menderes Üniversitesi Ziraat Fakültesi Dergisi, National Scientific Refreed Journal, November 2022
Uluslararası Tarım ve Yaban Hayatı Bilimleri Dergisi, National Scientific Refreed Journal, November 2022
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, Journal Indexed in SCI-E, March 2022
Journal of Advanced Research in Natural and Applied Sciences, Other Indexed Journal, February 2022
Mediterranean Agricultural Sciences, Other Indexed Journal, February 2021
Mediterranean Agricultural Sciences (Akdeniz Üniversitesi Ziraat Fakültesi Dergisi), Other Indexed Journal, July 2020

Metrics

Publication: 42
Citation (WoS): 60
Citation (Scopus): 46
H-Index (WoS): 3
H-Index (Scopus): 3

Congress and Symposium Activities

VI. International Agricultural, Biological and Life Sciences Conference (AGBIOL 2024), Attendee, Edirne, Turkey, 2024
VI. International Agricultural, Biological and Life Sciences Conference (AGBIOL 2024), Attendee, Edirne, Turkey, 2024
V. INTERNATIONAL AGRICULTURAL, BIOLOGICAL, AND LIFE SCIENCE CONFERENCE , Attendee, Edirne, Turkey, 2023
V. INTERNATIONAL AGRICULTURAL, BIOLOGICAL, AND LIFE SCIENCE CONFERENCE , Attendee, Edirne, Turkey, 2023
IV. BALKAN AGRICULTURAL CONGRESS, Attendee, Edirne, Turkey, 2022
ISPEC 1st INTERNATIONAL AGRICULTURAL RESEARCH CONGRESS, Attendee, Adana, Turkey, 2022

International Congress on Agriculture in ALANYA, Agriculture in the WORLD (ICAAW 2021), Attendee, Antalya, Turkey, 2021

III.INTERNATIONAL CONFERENCE ON AGRICULTURAL, BIOLOGICAL AND LIFE SCIENCE (AGBIOL) 2021, Attendee, Edirne, Turkey, 2021

IV. INTERNATONAL EURASIAN AGRICULTURE AND NATURAL SCIENCE CONGRESS, Attendee, Antalya, Turkey, 2020

8.Ulusal Bitki Besleme ve Gübre Kongresi, Attendee, Antalya, Turkey, 2019

International EURASIAN Natural Nutrition and Healthy Life Summit 2018, Attendee, Ankara, Turkey, 2018

5th INTERNATIONAL PARTICIPATION SOIL AND WATER RESOURCES CONGRESS, Attendee, Kırklareli, Turkey, 2017

9th International Soil Science Congress on 'The Soul of Soil and Civilization', Attendee, Antalya, Turkey, 2014

8th International Soil Science Congress on 'Land Degradation and Challenges in Sustainable Soil Management', Attendee, İzmir, Turkey, 2012

Research Areas

Agricultural Sciences, Agriculture, Soil and Plant Feed, Soil Biology