

## Assoc. Prof. SERHAT AYAS

### Personal Information

**Office Phone:** [+90 022 477 3604](tel:+900224773604) Extension: 2

**Fax Phone:** [+90 0224 773 6041](tel:+9002247736041)

**Email:** [serayas@uludag.edu.tr](mailto:serayas@uludag.edu.tr)

**Other Email:** [ayas.serhat@gmail.com](mailto:ayas.serhat@gmail.com)

**Web:** <https://avesis.uludag.edu.tr/serayas>

**Address:** Bursa Uludağ Üniversitesi Yenişehir İbrahim Orhan Meslek Yüksekokulu Yenigün Mahallesi İznik Caddesi 3. km No: 5  
Yenişehir/Bursa

### International Researcher IDs

ORCID: 0000-0002-9630-9699

Yoksis Researcher ID: 156476

### Education Information

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Tarımsal Yapılar Ve Sulama (Dr), Turkey 2002 - 2007

Postgraduate, Trakya University, Fen Bilimleri Enstitüsü, Tarımsal Yapılar Ve Sulama (YI) (Tezli), Turkey 1996 - 1998

Undergraduate, Bursa Uludağ University, ZİRAAT FAKÜLTESİ, Tarımsal Yapılar Ve Sulama Bölümü, Turkey 1990 - 1996

### Foreign Languages

English, C2 Mastery

### Academic Titles / Tasks

Lecturer PhD, Bursa Uludağ University, YENİŞEHİR İBRAHİM ORHAN MYO, BİTKİSEL VE HAYVANSAL ÜRETİM, 2007 -  
Continues

Lecturer PhD, Bursa Uludağ University, YENİŞEHİR İBRAHİM ORHAN MYO, BİTKİSEL VE HAYVANSAL ÜRETİM, 1999 -  
Continues

### Academic and Administrative Experience

Director of Vocational School, Bursa Uludağ University, YENİŞEHİR İBRAHİM ORHAN MYO, 2015 - 2016

### Courses

#### Associate Degree

KALİTE YÖNETİM SİSTEMLERİ, Associate Degree, 2017 - 2018, 2016 - 2017

KALİTE GÜV. VE STAN., Associate Degree, 2017 - 2018, 2016 - 2017

METEOROLOJİ, Associate Degree, 2017 - 2018, 2016 - 2017

ÇEVRE KORUMA, Associate Degree, 2017 - 2018, 2016 - 2017

GİRİŞİMCİLİK, Associate Degree, 2017 - 2018, 2016 - 2017

TEMEL MATEMATİK I, Associate Degree, 2017 - 2018  
TEMEL MATEMATİK-1, Associate Degree, 2017 - 2018, 2016 - 2017  
ARAŞTIRMA YÖNTEM VE TEKNİKLERİ, Associate Degree, 2017 - 2018  
MESLEKİ MATEMATİK, Associate Degree, 2017 - 2018  
SERA ISIT. VE SOĞ. SİSTEM., Associate Degree, 2016 - 2017  
SOĞUKTA VE DONDURARAK MUHAFAZA, Associate Degree, 2016 - 2017  
GÜNEŞ ENERJİSİ, Associate Degree, 2016 - 2017

## **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **Effects of Different Irrigation and Fertilization Levels on the Yield and Quality of Sugar Beet Molasses**  
AYAS S.  
SUGAR TECH, 2025 (SCI-Expanded)
- II. **Mathematical Modeling of Crop Water Production Functions for Sugar Beet**  
Ayas S.  
SUGAR TECH, vol.27, no.2, pp.1-12, 2025 (SCI-Expanded)
- III. **Effects of Different Irrigation and Fertilization Levels on the Yield and Quality of Wet Sugar Beet Pulp Used as Animal Feed**  
AYAS S.  
SUGAR TECH, vol.26, no.5, pp.1448-1462, 2024 (SCI-Expanded)
- IV. **Different irrigation and fertilization levels on the yield and quality of dent corn**  
Ayas S.  
CIENCIA E AGROTECNOLOGIA, vol.47, no.e019622, pp.1-14, 2023 (SCI-Expanded)
- V. **Different irrigation and fertilization levels and mulching materials on the yield and quality of strawberry**  
Ayas S.  
CIENCIA E AGROTECNOLOGIA, vol.47, pp.1-17, 2023 (SCI-Expanded)
- VI. **DEFICIT IRRIGATION EFFECTS ON CAULIFLOWER (BRASSICA OLERACEA L. VAR. SKYWALKER F1) YIELD UNDER UNHEATED GREENHOUSE CONDITIONS**  
BÜYÜKCANGAZ H., AYAS S.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, no.3, pp.1775-1784, 2019 (SCI-Expanded)
- VII. **WATER-YIELD RELATIONSHIPS OF DEFICIT IRRIGATED TOMATO (LYCOPERSICON LYCOPERSICUM L. VAR. HAZAR F1)**  
Ayas S.  
APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH, vol.17, no.4, pp.7765-7781, 2019 (SCI-Expanded)
- VIII. **Deficit irrigation effects on cucumber (Cucumis sativus L. Maraton) yield in unheated greenhouse condition**  
AYAS S., Demirtas C.  
JOURNAL OF FOOD AGRICULTURE & ENVIRONMENT, vol.7, pp.645-649, 2009 (SCI-Expanded)
- IX. **Deficit irrigation effects on onion (Allium cepa L. ET Grano 502) yield in unheated greenhouse condition**  
AYAS S., Demirtas C.  
JOURNAL OF FOOD AGRICULTURE & ENVIRONMENT, vol.7, pp.239-243, 2009 (SCI-Expanded)
- X. **Deficit irrigation effects on pepper (Capsicum annum L. Demre) yield in unheated greenhouse condition**  
Demirtas C., AYAS S.  
JOURNAL OF FOOD AGRICULTURE & ENVIRONMENT, vol.7, pp.989-993, 2009 (SCI-Expanded)
- XI. **Effects of deficit irrigation on yield and quality of unheated greenhouse grown green bean**  
BÜYÜKCANGAZ H., Yazgan S., AYAS S., CANDOĞAN B. N., Ayas F.

JOURNAL OF FOOD AGRICULTURE & ENVIRONMENT, vol.6, no.2, pp.155-159, 2008 (SCI-Expanded)

**XII. Deficit irrigation effects on lettuce (*Lactuca sativa* var. Olenka) yield in unheated greenhouse condition**

Yazgan S., AYAS S., Demirtas C., Bueyuekcangaz H., CANDOĞAN B. N.

JOURNAL OF FOOD AGRICULTURE & ENVIRONMENT, vol.6, no.2, pp.357-361, 2008 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Response of Okra (*Abelmoschus Esculentus* l. Yalova Akköy-41) to Different Irrigation and Fertigation Levels**  
Ayas S.  
TURKISH JOURNAL OF AGRICULTURE-FOOD SCIENCE AND TECHNOLOGY, vol.8, no.10, pp.2225-2235, 2020 (Peer-Reviewed Journal)
- II. **WATER-YIELD RELATIONSHIPS OF DEFICIT IRRIGATED PEPPER (*CAPSICUM ANNUUM* L. DEMRE)**  
Ayas S.  
TURKISH JOURNAL OF AGRICULTURE-FOOD SCIENCE AND TECHNOLOGY, vol.7, no.9, pp.1328-1338, 2019 (Peer-Reviewed Journal)
- III. **WATER-YIELD RELATIONSHIPS IN DEFICIT IRRIGATED ONION**  
AYAS S.  
TURKISH JOURNAL OF AGRICULTURE-FOOD SCIENCE AND TECHNOLOGY, vol.7, no.9, pp.1310-1320, 2019 (Peer-Reviewed Journal)
- IV. **The Effects of Irrigation Regimes on the Yield and WaterUse of Eggplant (*Solanum melongena* L.)**  
AYAS S.  
Toprak Su Dergisi, vol.6, no.2, pp.49-58, 2017 (Peer-Reviewed Journal)
- V. **The Effects of Different Regimes on Tomato (*Lycopersicon Lycopersicum* Var. Hazal) Yield and Quality Characteristics under Unheated Greehouse Conditions**  
AYAS S.  
Bulgarian Journal of Agricultural Science, vol.21, no.6, pp.1235-1241, 2015 (Scopus)
- VI. **The Effects of Potato (*Solanum Tuberosum* L. Hermes) Yield and Quality Characteristics under Unheated Greenhouse Conditions**  
AYAS S.  
Bulgarian Journal Of Agricultural Science, vol.19, no.1, pp.87-95, 2013 (Scopus)
- VII. **Water-Yield Relationships in Deficit Irrigated Potato**  
AYAS S., KORUKÇU A.  
Journal of Agricultural Faculty of Uludag University, vol.24, no.2, pp.23-36, 2010 (Peer-Reviewed Journal)
- VIII. **Örtü altında yetiştirilen baş salatanın *Lactuca sativa* var Olenka sulama zamanının planlanması**  
Yazgan S., AYAS S., BÜYÜKCANGAZ H.  
KSÜ, Fen ve Mühendislik Dergisi, vol.9, no.1, pp.88-91, 2006 (Peer-Reviewed Journal)

## Books

I. **4**

AYAS S.

in: International Research and Reviews in Agriculture, Forestry and Aquaculture Sciences, Prof.Dr. Koray Özrenk, Editor, Serüven Yayınevi, Ankara, pp.39-56, 2023

## Papers Published in Refereed Scientific Meetings

- I. **A Research on the Physical Conditions and Problems of Bursa-Yenişehir District Dairy Cattle Farms Regarding Business Buildings**  
Ayas S.  
4th International Congress on Agriculture, Environment and Health, Aydın, Turkey, 20 - 22 May 2021, vol.2, no.25, pp.487-505
- II. **WATER-YIELD RELATIONSHIPS IN DEFICIT IRRIGATED PEA IN GREENHOUSE CONDITION**  
AYAS S.  
4. Uluslararası Bilimsel Araştırmalar Kongresi, Yalova, Turkey, 14 - 17 February 2019, vol.1, pp.122-123
- III. **THE EFFECTS OF DIFFERENT IRRIGATION LEVELS ON SQUASH (Cucurbita Pepo L.) YIELD AND QUALITY CHARACTERISTICS UNDER UNHEATED GREENHOUSE CONDITION**  
AYAS S.  
5. Uluslararası Katılımlı Toprak ve Su Kaynakları Kongresi, Kırklareli, 2017, Kırklareli, Turkey, 12 - 15 September 2017, vol.1, pp.429-441
- IV. **The Effects of Different Irrigation Levels on Watermelon (Citrullus lanatus (Thunb.) Mansfeld) Yield and Quality Characteristics under Unheated Greenhouse Condition**  
AYAS S.  
4. Ulusal Tarım Kongresi, Afyon, Turkey, 19 - 22 October 2017, vol.1, pp.54
- V. **The Effects of Different Irrigation Levels on Pea (Pisum Sativum L. Bolero) Yield and Quality Characteristics under Unheated Greenhouse Condition**  
AYAS S.  
International Conference on Agriculture, Forest, Food Sciences and Technologies 2017, Nevşehir, Turkey, 15 May - 17 December 2017, pp.810

## **Metrics**

Publication: 26

Citation (WoS): 43

Citation (Scopus): 66

H-Index (WoS): 4

H-Index (Scopus): 4

## **Non Academic Experience**

GIDA TARIM VE HAYVANCILIK BAKANLIĞI, Yöresel Üretim Veri Tabanı Oluşturma Projesi Danışmanlığı