

## Prof. SEVİLAY TOPÇU

### Personal Information

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### Education Information

Doctorate, Universitaet Hohenheim, Landwirtschaftliche Fakultaet (Ziraat Fakültesi), Pflanzen Produktion In Den Tropen Und Subtropen (Tropik Ve Sub-Tropik Bölgelerde Bitkisel Üretim), Germany 1988 - 1993

Post Graduate, Cukurova University, Ziraat Fakültesi, Tarımsal Yapılar Ve Sulama Bölümü, Turkey 1985 - 1987

Under Graduate, Cukurova University, Ziraat Fakültesi, Tarımsal Yapılar Ve Sulama Bölümü, Turkey 1981 - 1985

### Foreign Languages

German, C1 Advanced

English, C1 Advanced

### Dissertations

Post Graduate, dolmalık biberde farklı sulama aralıklarının verim ve kaliteye etkileri, Cukurova University, Ziraat Fakültesi, Tarımsal Yapılar Ve Sulama, 1987

### Research Areas

Agricultural Sciences, Agriculture, Farm Structures and Irrigation, Irrigation, Water Resources Development, Agricultural Hydrology and Meteorology, Water Conservation, Information Systems in Irrigation

### Academic Titles / Tasks

Professor, Cukurova University, Ziraat Fakültesi, Tarımsal Yapılar Ve Sulama, 2007 - Continues

### Professional Experience

Board Member, Cukurova University, Ziraat Fakültesi, 2014 - Continues

Academic Board Member, Cukurova University, Ziraat Fakültesi, Tarımsal Yapılar Ve Sulama , 1995 - Continues

Board Member, Cukurova University, Yumurtalık Meslek Yüksek Okulu, Teknik Programlar, 2000 - 2006

Head of Department, Cukurova University, Yumurtalık Meslek Yüksek Okulu, Teknik Programlar, 2000 - 2006

Board Member, Cukurova University, Ziraat Fakültesi, 2000 - 2003

Board Member, Cukurova University, Ziraat Fakültesi, 1995 - 1998

## Courses

Ölçme Bilgisi, Under Graduate, 2013 - 2014

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Turkey**  
TOPÇU S., KİBAROĞLU A., KADİRBEYOĞLU BOYLA Z.  
IRRIGATION IN THE MEDITERRANEAN: TECHNOLOGIES, INSTITUTIONS AND POLICIES, vol.22, pp.185-212, 2019  
(Journal Indexed in SCI)
- II. **Determination of Phenolics, Sugars, Organic Acids and Antioxidants in the Grape Variety Kalecik Karasi under Different Bud Loads and Irrigation Amounts**  
Tangolar S. G. , TANGOLAR S., Kelebek H., TOPÇU S.  
KOREAN JOURNAL OF HORTICULTURAL SCIENCE & TECHNOLOGY, vol.34, is.3, pp.495-509, 2016 (Journal Indexed in SCI)
- III. **The Effects of Bud Load and Applied Water Amounts on the Biochemical Composition of the 'Narince' Grape Variety (Vitis vinifera L.)**  
TANGOLAR S., TANGOLAR S., TARIM G., Kelebek H., TOPÇU S.  
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.43, is.2, pp.380-387, 2015 (Journal Indexed in SCI Expanded)
- IV. **The Effects of Bud Load and Applied Water Amounts on the Biochemical Composition of the 'Narince' Grape Variety (Vitis vinifera L.)**  
Gok Tangolar S., TANGOLAR S., TARIM G., KELEBEK H., TOPÇU S.  
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.43, no.2, pp.380-387, 2015 (Journal Indexed in SCI)
- V. **Effects of different bud loads and irrigations applied at different leaf water potential levels on Kalecik Karasi grape variety**  
TANGOLAR S., TANGOLAR S., TOPÇU S.  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.39, is.6, pp.887-897, 2015 (Journal Indexed in SCI)
- VI. **Projecting climate change, drought conditions and crop productivity in Turkey**  
Sen B., TOPÇU S., Turkes M., Sen B., Warner J. F.  
CLIMATE RESEARCH, vol.52, is.1, pp.175-191, 2012 (Journal Indexed in SCI)
- VII. **USING AN ELECTROMAGNETIC SENSOR COMBINED WITH GEOGRAPHIC INFORMATION SYSTEMS TO MONITOR SOIL SALINITY IN AN AREA OF SOUTHERN TURKEY IRRIGATED WITH DRAINAGE WATER**  
ÇETİN M., İBRİKÇİ H., Kirda C., KAMAN H., Karnez E., Ryan J., TOPÇU S., ÖZTEKİN M. S. , DİNGİL M., Sesveren S.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.21, no.5, pp.1133-1145, 2012 (Journal Indexed in SCI)
- VIII. **Spatial and Temporal Variability of Groundwater Nitrate Concentrations in Irrigated Mediterranean Agriculture**  
İBRİKÇİ H., ÇETİN M. T. , Karnez E., Kirda C., TOPÇU S., Ryan J., Oztekin E., DİNGİL M., Korkmaz K., OĞUZ H.  
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, vol.43, pp.47-59, 2012 (Journal Indexed in SCI)
- IX. **APEX simulation of best irrigation and N management strategies for off-site N pollution control in three Mediterranean irrigated watersheds**  
Cavero J., Barros R., Sellam F., TOPÇU S., Isidoro D., Hartani T., Lounis A., İBRİKÇİ H., ÇETİN M. T. , Williams J. R. , et al.  
AGRICULTURAL WATER MANAGEMENT, vol.103, pp.88-99, 2012 (Journal Indexed in SCI)
- X. **Sustaining Mediterranean irrigated agriculture under a changing climate**  
Antonio Rodriguez-Diaz J., TOPÇU S.  
OUTLOOK ON AGRICULTURE, vol.39, is.4, pp.269-275, 2010 (Journal Indexed in SCI)
- XI. **MONITORING GROUNDWATER NITRATE CONCENTRATIONS UNDER IRRIGATION IN THE CUKUROVA REGION OF SOUTHERN TURKEY**

- İBRİKÇİ H., Cetin M., Karnez E., Topcu S., Kirda C., Ryan J., Oguz H., Dingil M., Oztekin E.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.19, is.9, pp.1802-1812, 2010 (Journal Indexed in SCI)
- XII. **Yield response and N-fertiliser recovery of tomato grown under deficit irrigation**  
Topcu S., Kirda C., Dasgan Y., Kaman H., Cetin M., Yazici A., Bacon M. A.  
EUROPEAN JOURNAL OF AGRONOMY, vol.26, is.1, pp.64-70, 2007 (Journal Indexed in SCI)
- XIII. **Prospects of partial root zone irrigation for increasing irrigation water use efficiency of major crops in the Mediterranean region**  
Kirda C., Topcu S., Cetin M., Dasgan H. Y. , Kaman H., Topaloglu F., Derici M. R. , Ekici B.  
ANNALS OF APPLIED BIOLOGY, vol.150, is.3, pp.281-291, 2007 (Journal Indexed in SCI)
- XIV. **Mandarin yield response to partial root drying and conventional deficit irrigation**  
Kirda C., Topaloglu F., Topcu S., Kaman H.  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.31, is.1, pp.1-10, 2007 (Journal Indexed in SCI)
- XV. **Salt accumulation in the root zones of tomato and cotton irrigated with partial root-drying technique**  
Kaman H., Kirda C., Cetin M., Topcu S.  
IRRIGATION AND DRAINAGE, vol.55, is.5, pp.533-544, 2006 (Journal Indexed in SCI)
- XVI. **Grain yield response and N-fertiliser recovery of maize under deficit irrigation**  
Kirda C., Topcu S., Kaman H., Ulger A., Yazici A., Cetin M., Derici M.  
FIELD CROPS RESEARCH, vol.93, pp.132-141, 2005 (Journal Indexed in SCI)
- XVII. **Yield response of greenhouse grown tomato to partial root drying and conventional deficit irrigation**  
Kirda C., Cetin M., Dasgan Y., Topcu S., Kaman H., Ekici B., Derici M., Ozguven A.  
AGRICULTURAL WATER MANAGEMENT, vol.69, is.3, pp.191-201, 2004 (Journal Indexed in SCI)
- XVIII. **Growth and production of tomatoes in greenhouses at different temperature levels**  
Baytorun A., Topcu S., Abak K., Dasgan Y.  
GARTENBAUWISSENSCHAFT, vol.64, no.1, pp.33-39, 1999 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **SERASIM: 3-D Expert System For Greenhouse Design**  
ŞEN B., TOPÇU S., GÜĞERCİN Ö., ÖZTÜRK H. H.  
TÜRK TARIM - GIDA BİLİM VE TEKNOLOJİ DERGİSİ, no.1, pp.94-100, 2013 (Other Refereed National Journals)

## Books & Book Chapters

- I. **Irrigation: Environmental Effects**  
TOPÇU S., Kirda C.  
in: Reference Module in Earth Systems and Environmental Sciences, Elias S. (Editor in Chief), Editor, Elsevier Science, Oxford/Amsterdam , Amsterdam, pp.1-20, 2013
- II. **Water for Agriculture: A Major and Inefficient Consumer**  
TOPÇU S.  
in: Turkey's Water Policy, Kibaroğlu A. Kramer A. Scheumann W., Editor, Springer, London/Berlin , Heidelberg Dordrecht London New York, pp.93-116, 2011
- III. **Tarım Mühendisliğinde Çevre Sorunları**  
TOPÇU S.  
Çukurova Üniversitesi Ziraat Fakültesi, Adana, 1998

## Refereed Congress / Symposium Publications in Proceedings

- I. **Management of bacterial speck disease of tomato grown under four individual polythene glazing greenhouses**  
Kirli M. M. , HORUZ S., AYSAN Y., TOPÇU S.  
5th International Symposium on Tomato Diseases, Malaga, Spain, 13 - 16 June 2016
- II. **Farklı anaç aşı kombinasyonlarının su ve fosfor eksikliği koşullarında domates bitkisi vejetatif gelişimine etkileri**  
ÇELİKTOPUZ E., karaca ö. f. , TOPÇU S., şahiner y.  
13. Ulusal Kültürteknik Kongresi, Antalya, Turkey, 12 - 15 April 2016, pp.198
- III. **The effects of bud load and regulated deficit irrigation on sugar organic acid phenolic compounds and antioxidant activity of Razaki table grape berries**  
TANGOLAR S., TARIM G., KELEBEK H., TANGOLAR S., TOPÇU S.  
38th World Congress of Vine and Wine (Part 1), 5 - 10 July 2015, vol.5, pp.7
- IV. **The effects of bud load and regulated deficit irrigation on sugar, organic acid, phenolic compounds and antioxidant activity of Razaki table grape berries**  
TANGOLAR S., TARIM G., Kelebek H., Tangolar S. G. , TOPÇU S.  
38th World Congress of Vine and Wine, Mainz, Germany, 5 - 10 July 2015, vol.5
- V. **Ammonium and Nitrate Status of the First Crop Corn Fields at Cukurova Region.**  
KARNEZ E., İBRİKÇİ H., ÖZTEKİN M. E. , DİNGİL M., ÇETİN M., TOPÇU S., Oğuz H., Korkmaz K.  
International Meeting on Soil Fertility, Land Management and Agroclimatology, Aydın, Turkey, 29 October - 01 November 2008, pp.90
- VI. **Aşağı Seyhan Ovası Akarsu Sulama Sahası Taban Sularında Nitrat Konsantrasyonu ve oluşturacağı Çevresel Risk Potansiyeli**  
İBRİKÇİ H., KARNEZ E., OĞUZ H., ÇETİN M., ÖZTEKİN M., DİNGİL M., KIRDA C., TOPÇU S., EFE H.  
Sulama ve Drenaj Konferansı. 10-11 Nisan 2008/Adana., Turkey, 10 - 11 April 2008
- VII. **Soil temperatures affected by different solarization practices**  
SESVEREN S., TOPÇU S., Kirda C.  
3rd International Symposium on Models for Plant Growth, Environmental Control and Farm Management in Protected Cultivation, Wageningen, Suriname, 29 October - 02 November 2006, pp.299-302

## Episodes in the Encyclopedia

### I. Encyclopedia of Soils in the Environment

TOPÇU S.

Elsevier Science, Elsevier Science, Oxford/Amsterdam, pp.267-273, 2004

## Supported Projects

TOPÇU S., EU Framework Program Project, "Empowering root-targeted strategies to minimize abiotic stress impacts on horticultural crops", 2012 - Continues

TANGOLAR S., TANGOLAR S., TOPÇU S., TARIM G., ADA M., Project Supported by Higher Education Institutions, Semillon ve Carignane Üzüm Çeşitlerinde Uygulanan Kısıntılı Su Miktarlarının Bitki ve Toprak Su Seviyesi ile Verim ve Kalite Üzerine Etkisi, 2016 - 2018

TANGOLAR S., TANGOLAR S., TOPÇU S., Project Supported by Higher Education Institutions, Effects of different bud loads and irrigations applied at different leaf water potential levels on Kalecik Karasi grape variety, 2016 - 2016

TANGOLAR S., TANGOLAR S., TOPÇU S., TARIM G., Project Supported by Higher Education Institutions, The Effects of Bud Load and Applied Water Amounts on the Biochemical Composition of the Narince Grape Variety Vitis vinifera L., 2016 - 2016

TANGOLAR S., TOPÇU S., TANGOLAR S., ALKAN TORUN A., TARIM G., Project Supported by Higher Education Institutions, Topraksız Kültür Sisteminde Sofralık Üzüm Yetiştiriciliğinin Araştırılması, 2014 - 2016

## Citations

Total Citations (WOS):604

h-index (WOS):10