

## Assoc. Prof. Mehmet Serhat Odabaş

### Personal Information

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### International Researcher IDs

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ScopusID: 21743556600

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### Biography

I started my academic studies at Ondokuz Mayıs University in 1994. In 1994, I started my M.Sc. at Ondokuz Mayıs University. In 1999, I started my Ph.D. at Ondokuz Mayıs University with the research goal of mathematical modeling. In 2003, I was hired as an assistant professor at Ondokuz Mayıs University. In 2011, I was awarded as an associate professor by the interuniversity council in Turkey. I was awarded a scholarship by The Scientific and Technological Research Council of Turkey (TÜBİTAK) in 2013 to work as a visiting scientist at North Dakota State University (NDSU), Department of Biosystems Engineering. I am working on unmanned aerial systems, artificial neural network, image processing, and agricultural robotics.

### Education Information

Post Doctorate, North Dakota State University, Faculty of Engineering, Agriculture & Biosystem Engineering, United States Of America 2013 - 2014

Doctorate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Tarla Bitkileri (Dr), Turkey 1999 - 2003

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Tarla Bitkileri (YI) (Tezli), Turkey 1994 - 1997

Undergraduate, Ondokuz Mayıs University, Ziraat Fakültesi, Tarla Bitkileri Bölümü, Turkey 1990 - 1994

### Dissertations

Doctorate, The quantitative effects of temperature and light on growth, development and yield on faba bean (*Vicia faba* L.), Ondokuz Mayıs University, Tarla Bitkileri (Dr), 2003

Postgraduate, The research on the effect of different nitrogen fertilizers applied on bean (*Phaseolus vulgaris* L.) on the yield, yield components, and the amount of chlorophyll in the leaf, Ondokuz Mayıs University, Tarla Bitkileri (YI) (Tezli), 1997

### Research Areas

Agricultural Sciences, Engineering and Technology

## Academic Titles / Tasks

Associate Professor, Ondokuz Mayıs University, Bafra Meslek Yüksekokulu, Bilgisayar Teknolojileri Bölümü, 2011 - Continues

Professor, Ondokuz Mayıs University, Ziraat Fakültesi, Tarla Bitkileri Bölümü, 2018 - 2021

Associate Professor, Ondokuz Mayıs University, Bafra Meslek Yüksekokulu, Bitkisel ve Hayvansal Üretim Bölümü, 2006 - 2011

Research Assistant, Ondokuz Mayıs University, Ziraat Fakültesi, Tarla Bitkileri Bölümü, 1995 - 2006

## Academic and Administrative Experience

Ondokuz Mayıs University, 2021 - Continues

Ondokuz Mayıs University, 2019 - 2021

Ondokuz Mayıs University, 2018 - 2021

Ondokuz Mayıs University, 2010 - 2013

## Courses

AKILLI YAZILIM SİSTEMLERİNDE SEÇİLMİŞ KONULAR, Postgraduate, 2022 - 2023, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

MÜHENDİSLİK UYGULAMALARI VE BENZETİM, Postgraduate, 2022 - 2023, 2019 - 2020, 2018 - 2019

Yapay Sinir Ağları, Postgraduate, 2014 - 2015

SİSTEM ANALİZİ VE TASARIMI, Associate Degree, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008

BİLGİSAYAR YARDIMI İLE TASARIM VE MODELLEME, Associate Degree, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008

BİTKİ FİZYOLOJİSİ, Associate Degree, 2010 - 2011, 2009 - 2010

SERA YETİŞTİRİCİLİĞİNDE BİLGİSAYAR MODELLERİNİN KULLANIMI, Associate Degree, 2008 - 2009, 2007 - 2008

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

- I. **Comparing geographic information systems-based fuzzy-analytic hierarchical process approach and artificial neural network to characterize soil erosion risk indexes**  
Kaya N., Pacci S., Demirağ Turan I., ODABAŞ M. S., Dengiz O.  
Rendiconti Lincei, vol.34, no.4, pp.1089-1104, 2023 (SCI-Expanded)
- II. **Prediction of Secondary Metabolites Content of Laurel (*Laurus nobilis* L.) with Artificial Neural Networks Based on Different Temperatures and Storage times**  
ÖNER E. K., YEŞİL M., ODABAŞ M. S.  
JOURNAL OF CHEMISTRY, vol.2023, 2023 (SCI-Expanded)
- III. **Soil quality assessment based on machine learning approach for cultivated lands in semi-humid environmental condition part of Black Sea region**  
Alaboz P., ODABAŞ M. S., Dengiz O.  
Archives of Agronomy and Soil Science, vol.69, no.15, pp.3514-3532, 2023 (SCI-Expanded)
- IV. **Variation of USLE-K Soil Erodibility Factor and Its Estimation with Artificial Neural Network Approach in Semi-humid Environmental Condition**  
Pacci S., Safli M. E., ODABAŞ M. S., Dengiz O.  
BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY, vol.66, 2023 (SCI-Expanded)
- V. **Determination of quality grade of tobacco leaf by image processing on correlated color temperature**  
ODABAŞ M. S., Senyer N., Kurt D.

CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.35, no.2, 2023 (SCI-Expanded)

- VI. **Usage of color measurements obtained by modified Seliwanoff test to determine hydroxymethylfurfural**  
Beşir Özgeçen A., Yazıcı F., ODABAŞ M. S.  
EUROPEAN FOOD RESEARCH AND TECHNOLOGY, vol.248, no.12, pp.2995-3002, 2022 (SCI-Expanded)
- VII. **Comparative approach for soil quality index based on spatial multi-criteria analysis and artificial neural network**  
Pacci S., Kaya N. S., DEMİRAĞ TURAN İ., ODABAŞ M. S., DENGİZ O.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.15, no.104, pp.1-15, 2022 (SCI-Expanded)
- VIII. **Evaluation of Deep Sea Discharge Systems Efficiency in the Eastern Black Sea Using Artificial Neural Network: a Case Study for Trabzon, Turkey**  
Aydın Er B., ODABAŞ M. S., Senyer N., Ardalı Y.  
BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY, vol.65, 2022 (SCI-Expanded)
- IX. **Estimating Hydroxymethylfurfural (HMF) Concentration Via Modified Seliwanoff Test Using Artificial Neural Network (ANN)**  
Beşir Özgeçen A., Yazıcı F., ODABAŞ M. S.  
BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY, vol.64, 2021 (SCI-Expanded)
- X. **Estimating Chlorophyll Concentration Index in Sugar Beet Leaves Using an Artificial Neural Network**  
Çalışkan Ö., Kurt D., Camas N., ODABAŞ M. S.  
POLISH JOURNAL OF ENVIRONMENTAL STUDIES, vol.29, no.1, pp.25-31, 2020 (SCI-Expanded)
- XI. **Agronomic characteristics of Serapias vomeracea (Burm. f.) Briq. salep orchids**  
Çalışkan Ö., Kurt D., ODABAŞ M. S.  
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.48, no.1, pp.245-260, 2020 (SCI-Expanded)
- XII. **Morphological Developments of Orchis purpurea Huds. Salep Orchids**  
Çalışkan Ö., Kurt D., ODABAŞ M. S.  
BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY, vol.63, 2020 (SCI-Expanded)
- XIII. **Effect of nitrogen on herb production, secondary metabolites and antioxidant activities of Hypericum pruinatum under nitrogen application**  
Radusiene J., Marksa M., Ivanauskas L., Jakstas V., Çalışkan Ö., Kurt D., ODABAŞ M. S., Çırak C.  
INDUSTRIAL CROPS AND PRODUCTS, vol.139, 2019 (SCI-Expanded)
- XIV. **Estimation of Chlorophyll Concentration Index at Leaves using Artificial Neural Networks**  
ODABAŞ M. S., Senyer N., KAYHAN G., Ergün E.  
JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, vol.26, no.2, 2017 (SCI-Expanded)
- XV. **The effects of salt and drought stress on phenolic accumulation in greenhouse-grown Hypericum pruinatum**  
Çalışkan Ö., Radusiene J., Temizel K. E., Staunis Z., Çırak C., Kurt D., ODABAŞ M. S.  
ITALIAN JOURNAL OF AGRONOMY, vol.12, no.3, pp.271-275, 2017 (SCI-Expanded)
- XVI. **Multilayer Perceptron Neural Network Approach to Estimate Chlorophyll Concentration Index of Lettuce (Lactuca sativa L.)**  
ODABAŞ M. S., Simsek H., Lee C. W., İşeri İ.  
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, vol.48, no.2, pp.162-169, 2017 (SCI-Expanded)
- XVII. **An evaluation of the relationship between physical/mechanical properties and mineralogy of landscape rocks as determined by hyperspectral reflectance**  
Maras E. E., Caniberk M., ODABAŞ M. S., Degerli B., Maras S. S., MARAŞ H. H.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.9, no.2, 2016 (SCI-Expanded)
- XVIII. **Secondary metabolites in Hypericum species and their distribution in different plant parts**  
ODABAŞ M. S., Radusiene J., Ivanauskas L., Jakstas V., Camas N., Kayıkci S.  
ZEMDIRBYSTE-AGRICULTURE, vol.103, no.2, pp.193-198, 2016 (SCI-Expanded)
- XIX. **Using Artificial Neural Network and Multiple Linear Regression for Predicting the Chlorophyll Concentration Index of Saint John's Wort Leaves**  
ODABAŞ M. S., KAYHAN G., Ergün E., Senyer N.

- COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, vol.47, no.2, pp.237-245, 2016 (SCI-Expanded)
- XX. **THE ESTIMATION OF ADULT AND NYMPH STAGES OF APHIS FABAE (HEMIPTERA: APHIDIDAE) USING ARTIFICIAL NEURAL NETWORK**  
Saruhan İ., Senyer N., Ayzav T., KAYHAN G., Ergün E., ODABAŞ M. S., Akça İ.  
ENTOMOLOGICAL NEWS, vol.125, no.1, pp.12-19, 2015 (SCI-Expanded)
- XXI. **ESTIMATION OF NUTRIENT CONCENTRATIONS IN RUNOFF FROM BEEF CATTLE FEEDLOT USING ADAPTIVE NEURO-FUZZY INFERENCE SYSTEMS**  
Simsek H., Cemek B., Odabas M. S., Rahman S.  
NEURAL NETWORK WORLD, vol.25, no.5, pp.501-518, 2015 (SCI-Expanded)
- XXII. **Comparison of some models for estimation of reflectance of hypericum leaves under stress conditions**  
Temizel K. E., ODABAŞ M. S., Senyer N., KAYHAN G., Bajwa S. G., Çalışkan Ö., Ergün E.  
CENTRAL EUROPEAN JOURNAL OF BIOLOGY, vol.9, no.12, pp.1226-1234, 2014 (SCI-Expanded)
- XXIII. **QUANTIFYING IMPACT OF DROUGHTS ON BARLEY YIELD IN NORTH DAKOTA, USA USING MULTIPLE LINEAR REGRESSION AND ARTIFICIAL NEURAL NETWORK**  
ODABAŞ M. S., Leelaruban N., Simsek H., Padmanabhan G.  
NEURAL NETWORK WORLD, vol.24, no.4, pp.343-355, 2014 (SCI-Expanded)
- XXIV. **DETERMINATION OF REFLECTANCE VALUES OF HYPERICUM'S LEAVES UNDER STRESS CONDITIONS USING ADAPTIVE NETWORK BASED FUZZY INFERENCE SYSTEM**  
ODABAŞ M. S., Temizel K. E., Çalışkan Ö., Senyer N., KAYHAN G., Ergün E.  
NEURAL NETWORK WORLD, vol.24, no.1, pp.79-87, 2014 (SCI-Expanded)
- XXV. **Differential Phenolic Accumulation in Two Hypericum Species in Response to Inoculation with Diploceras hypericinum and Pseudomonas putida**  
Çırak C., Radusiene J., Aksoy H. M., Mackinaite R., Stanius Z., Camas N., ODABAŞ M. S.  
PLANT PROTECTION SCIENCE, vol.50, no.3, pp.119-128, 2014 (SCI-Expanded)
- XXVI. **Changes in the contents of main secondary metabolites in two Turkish Hypericum species during plant development**  
Çırak C., Radusiene J., Camas N., Çalışkan Ö., ODABAŞ M. S.  
PHARMACEUTICAL BIOLOGY, vol.51, no.3, pp.391-399, 2013 (SCI-Expanded)
- XXVII. **Changes in phenolic content of wild and greenhouse-grown Hypericum triquetrifolium during plant development**  
Çırak C., Radusiene J., Karpaviciene B., Camas N., ODABAŞ M. S.  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.37, no.3, pp.307-314, 2013 (SCI-Expanded)
- XXVIII. **Secondary metabolites of Hypericum orientale L. growing in Turkey: variation among populations and plant parts**  
Çırak C., Radusiene J., Stanius Z., Camas N., Çalışkan Ö., ODABAŞ M. S.  
ACTA PHYSIOLOGIAE PLANTARUM, vol.34, no.4, pp.1313-1320, 2012 (SCI-Expanded)
- XXIX. **The mathematical approach to the effect of potassium bicarbonate on mycelial growth of Sclerotinia sclerotiorum and Rhizoctonia solani in vitro**  
Erper İ., TÜRKKAN M., ODABAŞ M. S.  
ZEMDIRBYSTE-AGRICULTURE, vol.98, no.2, pp.195-204, 2011 (SCI-Expanded)
- XXX. **The quantitative effect of temperature and light intensity at growth in Origanum xonites L.**  
Çalışkan Ö., ODABAŞ M. S., Çırak C., Radusiene J., Odabas F.  
Journal of Medicinal Plants Research, vol.4, no.7, pp.551-558, 2010 (SCI-Expanded)
- XXXI. **The quantitative effect of temperature and light intensity at growth in Origanum onites L.**  
Çalışkan Ö., ODABAŞ M. S., Çırak C., Radusiene J., Odabas F.  
JOURNAL OF MEDICINAL PLANTS RESEARCH, vol.4, no.7, pp.551-558, 2010 (SCI-Expanded)
- XXXII. **The Quantitative Effects of Temperature and Light Intensity on Phenolics Accumulation in St. John's Wort (Hypericum perforatum)**  
ODABAŞ M. S., Camas N., Çırak C., Radusiene J., Janulis V., Ivanauskas L.  
NATURAL PRODUCT COMMUNICATIONS, vol.5, no.4, pp.535-540, 2010 (SCI-Expanded)

- XXXIII. **Modeling of the individual leaf area and dry weight of oregano (*Origanum onites* L.) leaf using leaf length and width, and SPAD value**  
Çalışkan Ö., ODABAŞ M. S., Çirak C., Odabas F.  
JOURNAL OF MEDICINAL PLANTS RESEARCH, vol.4, no.7, pp.542-545, 2010 (SCI-Expanded)
- XXXIV. **Models of estimation of the content of secondary metabolites in some *Hypericum* species**  
ODABAŞ M. S., Radusiene J., Cirak C., Camas N.  
PHARMACEUTICAL BIOLOGY, vol.47, no.12, pp.1117-1122, 2009 (SCI-Expanded)
- XXXV. **The modeling of the relation among the temperature and light intensity of growth in *Ocimum basilicum* L.**  
Çalışkan Ö., ODABAŞ M. S., Çirak C.  
JOURNAL OF MEDICINAL PLANTS RESEARCH, vol.3, no.11, pp.965-977, 2009 (SCI-Expanded)
- XXXVI. **The quantitative effects of temperature and light intensity on hyperforin and hypericins accumulation in *Hypericum perforatum* L**  
ODABAŞ M. S., Radugiene J., Camas N., Janulis V., Ivanauskas L., Cirak C.  
JOURNAL OF MEDICINAL PLANTS RESEARCH, vol.3, no.7, pp.519-525, 2009 (SCI-Expanded)
- XXXVII. **Mathematical modeling of the indole-3-butyric acid applications on rooting of northern highbush blueberry (*Vaccinium corymbosum* L.) softwood-cuttings**  
Çelik H., Odabaş M. S.  
ACTA PHYSIOLOGIAE PLANTARUM, vol.31, no.2, pp.295-299, 2009 (SCI-Expanded)
- XXXVIII. **PREDICTION MODEL OF LEAF AREA FOR TRIGONELLA FOENUM GRAECUM L.**  
ODABAŞ M. S., Aydın A., Kevseroglu K., Cirak C.  
TURKISH JOURNAL OF FIELD CROPS, vol.14, no.2, pp.144-149, 2009 (SCI-Expanded)
- XXXIX. **Prediction models for the phenolic contents in some *Hypericum* species from Turkey**  
ODABAŞ M. S., Radusiene J., Cirak C., Camas N.  
ASIAN JOURNAL OF CHEMISTRY, vol.20, no.6, pp.4792-4802, 2008 (SCI-Expanded)
- XL. **Response of soybean (*Glycine max*) to soil and foliar applied boron at different rates**  
Cirak C., Odabas M. S., Kevseroglu K., Karaca E., Gulumser A.  
INDIAN JOURNAL OF AGRICULTURAL SCIENCES, vol.76, no.10, pp.603-606, 2006 (SCI-Expanded)

## Articles Published in Other Journals

- I. **NON-DESTRUCTIVE LEAF AREA MEASUREMENT USING MATHEMATICAL MODELING FOR PADDY VARIETIES**  
Öner F., Odabaş M. S.  
Black Sea Journal of Agriculture, vol.6, no.4, pp.339-342, 2023 (Peer-Reviewed Journal)
- II. **A Hybrid Mobile Application for Quality Grade of Tobacco (*Nicotiana tabacum* L.) Using Correlated Color Temperature**  
ŞENYER N., OKTAŞ R., ODABAŞ M. S., KURT D., Karaboğa E.  
Türkiye Tarımsal Araştırmalar Dergisi, vol.10, no.2, pp.147-153, 2023 (Peer-Reviewed Journal)
- III. **Land Quality Index for Paddy (*Oryza sativa* L.) Cultivation Area Based on Deep Learning Approach using Geographical Information System and Geostatistical Techniques**  
ŞENYER N., AKAY H., ODABAŞ M. S., DENGİZ O., Sivarajan S.  
Yüzüncü Yıl Üniversitesi Tarım Bilimleri Dergisi, vol.33, no.1, pp.75-90, 2023 (Scopus)
- IV. **Akıllı Ev Sistemlerinde Yapay Zeka Kullanımı Üzerine Bir Değerlendirme**  
Çakır D., TEPE C., ODABAŞ M. S.  
OMÜ Mühendislik Bilimleri ve Teknolojisi Dergisi, vol.2, no.2, pp.185-204, 2022 (Peer-Reviewed Journal)
- V. **Akıllı Ev Sistemlerinde Yapay Zekâ Kullanımı Üzerine Bir Değerlendirme.**  
Çakır D., TEPE C., ODABAŞ M. S.  
Ondokuz Mayıs Üniversitesi Mühendislik Bilimleri ve Teknolojisi Dergisi, vol.2, no.2, pp.185-204, 2022 (Peer-Reviewed Journal)

- VI. **5G Teknolojilerinin Akıllı Tarım Sistemlerinde Kullanımı ve Geleceği Üzerine Değerlendirme**  
Çakır D., ODABAŞ M. S., KAYHAN G., OKTAŞ R.  
Black Sea Journal of Engineering and Science, vol.5, no.2, pp.81-86, 2022 (Peer-Reviewed Journal)
- VII. **An Overview of Classification of Electrooculography (EOG) Signals by Machine Learning Methods**  
SUIÇMEZ A., Tepe C., ODABAŞ M. S.  
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.10, no.2, pp.330-338, 2022 (Peer-Reviewed Journal)
- VIII. **Non-destructively Determining Blueberry (*Vaccinium corymbosum* L.) Leaf Area Using DPI-Based Software**  
ODABAŞ M. S., KAYHAN G., ÇELİK H., OKTAŞ R.  
Black Sea Journal of Agriculture, vol.5, no.3, pp.195-199, 2022 (Peer-Reviewed Journal)
- IX. **Determination of The Effect of Different Nitrogen Doses on The Yield, Yield Components and Chlorophyll Contents of Bread Wheat (*Triticum aestivum* L.) Cultivars using Artificial Neural Network**  
ÖNER F., KAYHAN G., Ergün E., ÖZKORKMAZ F., OKTAŞ R., ODABAŞ M. S.  
Black Sea Journal of Agriculture, vol.5, no.3, pp.288-299, 2022 (Peer-Reviewed Journal)
- X. **İŞLETMELERDE ERP PROGRAMI KULLANMANIN AVANTAJLARI**  
ODABAŞ M. S., özköse e.  
Black Sea Journal of Engineering and Science, vol.4, no.4, pp.226-231, 2021 (Peer-Reviewed Journal)
- XI. **HAVACILIK SEKTÖRÜNDE STRES YÖNETİMİ VE ÇÖZÜM ÖNERİLERİ**  
ODABAŞ M. S., Aksu B.  
Black Sea Journal of Public and Social Science, vol.4, no.2, pp.99-103, 2021 (Peer-Reviewed Journal)
- XII. **Overview of Deep Learning Methods Used in the Medical Device Industry**  
GÜNDÜZ O., TEPE C., ŞENYER N., ODABAŞ M. S.  
Black Sea Journal of Engineering and Science, vol.4, no.2, pp.68-74, 2021 (Peer-Reviewed Journal)
- XIII. **COVID -19 PANDEMİSİNİN LOJİSTİK SİSTEMLER ÜZERİNE ETKİLERİNİN DEĞERLENDİRİLMESİ**  
Tanrikulu A. B., ODABAŞ M. S.  
Black Sea Journal of Engineering and Science, vol.4, no.4, pp.214-216, 2021 (Peer-Reviewed Journal)
- XIV. **Feature selection of Thyroid disease using Deep Learning: A Literature survey**  
MEHRNO A., OKTAŞ R., ODABAŞ M. S.  
Black Sea Journal of Engineering and Science, pp.15-16, 2020 (Peer-Reviewed Journal)
- XV. **Overview of Different Methods Used in Clustering Algorithms**  
YOUSEFI T., ODABAŞ M. S., OKTAŞ R.  
Black Sea Journal of Engineering and Science, pp.13-14, 2020 (Peer-Reviewed Journal)
- XVI. **Modeling of the Effects of Nitrogen Doses on Agronomic Characteristics and Leaf Area of *Hypericum pruinatum* L.**  
KURT D., ODABAŞ M. S.  
International Journal of Agricultural and Life Sciences, 2020 (Peer-Reviewed Journal)
- XVII. **Modeling the Effect of Different Medium on Rooting of Northern Highbush Blueberry (*Vaccinium corymbosum* L.) Softwood Cuttings.**  
Çelik H., Odabaş M. S.  
ERCIŞ (VAN) İLÇESİ İÇME SULARININ SU KALİTESİ ÖZELLİKLERİ, vol.30, no.2, pp.280-288, 2020 (Scopus)
- XVIII. **Investigation of Studies on Natural Gas Consumption Forecasting by Artificial Neural Networks**  
ODABAŞ M. S., Kant B.  
Black Sea Journal of Engineering and Science, 2020 (Peer-Reviewed Journal)
- XIX. **Relationships Between Some Agronomical Traits in Genotypes of Rusty Foxglove (*Digitalis ferruginea* subsp. *ferruginea*)**  
ŞAVŞATLI Y., ODABAŞ M. S.  
KSU TARIM VE DOĞA DERGİSİ-KSU JOURNAL OF AGRICULTURE AND NATURE, vol.23, no.1, pp.77-82, 2020 (ESCI)
- XX. **Modeling the effect of different medium on rooting of northern highbush blueberry (*Vaccinium corymbosum* L.) softwood cuttings Kuzey orijinli yüksek boylu maviyemiş (*Vaccinium corymbosum***

- L.) yumuşak odun çeliklerinde köklenme üzerine ortamların etkisinin modellenmesi  
Çelik H., ODABAŞ M. S.  
Yuzuncu Yil University Journal of Agricultural Sciences, vol.30, no.2, pp.280-288, 2020 (Scopus)
- XXI. **Relationships Between Some Agronomical Traits in Genotypes of Rusty Foxglove (*Digitalis ferruginea* subsp. *ferruginea*)**  
ŞAVŞATLI Y., ODABAŞ M. S.  
KSU TARIM VE DOGA DERGISI-KSU JOURNAL OF AGRICULTURE AND NATURE, vol.23, no.1, pp.77-82, 2020 (ESCI)
- XXII. **Artificial Neural Networks In Terms Of Agricultural Informatics**  
ODABAŞ M. S., KAYHAN G., İŞERİ İ., ERGÜN E., OKTAŞ R.  
Figes İleri Mühendislik ve ARGE Teknolojileri Dergisi, no.22, pp.7-11, 2019 (Non Peer-Reviewed Journal)
- XXIII. **Modeling the Altitudinal Variation in Secondary Metabolite Contents of *Hypericum Orientale* from Turkey**  
KURT D., ÇALIŞKAN Ö., ODABAŞ M. S., RADUSIENE J., ÇIRAK C.  
International Biological Biomedical Journal, vol.4, no.4, pp.199-205, 2018 (Peer-Reviewed Journal)
- XXIV. **Kısıtlar teorisi: Bir literatür araştırması**  
BEYLİHAN E., ODABAŞ M. S.  
Black Sea Journal of Engineering and Science, vol.1, no.4, pp.147-154, 2018 (Peer-Reviewed Journal)
- XXV. **Modeling the Morphogenetic and Ontogenetic Changes in Essential Oil Composition of *Hypericum Perforatum***  
ÇIRAK C., ODABAŞ M. S., Alessandra B.  
International Journal of Research in Agriculture and Forestry, 2018 (Peer-Reviewed Journal)
- XXVI. **Effect of Salt Stress and Irrigation Water on Growth and Development of Sweet Basil (*Ocimum basilicum* L.)**  
Çalışkan Ö., Kurt D., Temizel K. E., ODABAŞ M. S.  
OPEN AGRICULTURE, vol.2, no.1, pp.589-594, 2017 (ESCI)
- XXVII. **Yapay Sinir Ağı ile Görüntü İşleme Kullanarak Kantaronda Klorofil Konsantrasyon Endeksi Tahmini**  
ODABAŞ M. S., BAJWA S., LEE C., MARAŞ E. E.  
Yüzüncü Yil Üniversitesi Tarım Bilimleri Dergisi, vol.25, no.3, pp.285-292, 2015 (Peer-Reviewed Journal)
- XXVIII. **Mehmet Serhat Odabas Sreekala Bajwa Chiwon W Lee Erdem Emin Maras The Prediction of Saint John s Wort Leaves Chlorophyll Concentration Index using Image Processing with Artificial Neural Network**  
Yuzuncu Yil University Journal of Agricultural Sciences  
ODABAŞ M. S.  
Yuzuncu Yil University Journal of Agricultural Sciences, 2015 (Peer-Reviewed Journal)
- XXIX. **Models of estimation on the content of secondary metabolites in some *Hypericum* species**  
ÇIRAK C., ODABAŞ M. S.  
Research in Pharmacy, vol.4, no.1, pp.8-16, 2014 (Peer-Reviewed Journal)
- XXX. **Artificial neural network approach for the prediction of the corn (*Zea mays* L.) leaf area**  
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