



# International Journal of Agricultural and Natural Sciences

E-ISSN: 2651-3617

## Owner and Publisher

Anatolia Academy of Sciences

## Editor in Chief

Assoc. Prof. Özhan Şimşek

Erciyes University, Turkey

e-mail: [ozhansimsek@erciyes.edu.tr](mailto:ozhansimsek@erciyes.edu.tr)

## Editorial Advisory Board

Prof. Ali Sabır, Selçuk University, Turkey

Prof. Aydın Uzun, Erciyes University, Turkey

Prof. Gaetano Distefano, Catania University, Italy

Prof. Yusuf Bozkurt, İskenderun Technical University, Turkey

Prof. Nicolaia Iaffaldano, University of Molise, Italy

Assoc. Prof. Tanveer Fatima Miano, Sindh Agriculture University, Pakistan

Assoc. Prof. Melike Çetinbaş, Eğirdir Fruit Research Institute, Turkey

Assist. Prof. Duran Özkök, Kayseri University, Turkey

Assist. Prof. Mehmet Tütüncü, Ondokuz Mayıs University, Turkey

Dr. Ben Faber, UC Cooperative Extension, USA

Dr. Soner Aksu, TÜBİTAK Marmara Research Center, Genetic Engineering and Biotechnology Institute, Turkey

Dr. Ayşegül Çolak Ateş, Biological Control Research Institute, Turkey

Dr. Dicle Dönmez, Çukurova University, Turkey

Dr. Tolga İzgü, National Research Council, Trees and Timber Institute, Italy

Dr. Taner Bozkurt, Tekfen Agricultural Research Production and Marketing INC., Turkey

**Address**

Anatolia Academy of Sciences

Selçuk University Technology Development Zone, Academy Street, No: 67, Konya/TURKEY

e-mail: [ijansjournals@gmail.com](mailto:ijansjournals@gmail.com)

International Journal of Agricultural and Natural Sciences (IJANS) is an international non-profit, open access, double-blind peer-reviewed journal and publishes three issues per year.

Authors are completely responsible for the contents of their articles.

Copyright © 2021 by Anatolia Academy of Sciences

All rights reserved.

No part of this publication cannot be reproduced, distributed, or transmitted in any form including photocopying, recording, other electronic or mechanical methods, without the prior written permission of the publisher.

[www.ijans.org](http://www.ijans.org)



## Contents

ANTICANDIDOSIC ACTIVITY OF LEAF, STEM AND ROOT EXTRACTS OF <i>Ajuga iva</i> L. FROM ALGERIA Karima Ounaissia and Abdelghani Djahoudi.....	1
MORPHOLOGICAL AND MOLECULAR IDENTIFICATION OF HYBRID INDIVIDUALS OBTAINED BY INTERSPECIES HYBRIDIZATION ( <i>Prunus armeniaca</i> × <i>Prunus salicina</i> ) Mehmet Yaman and Aydın Uzun.....	7
EFFECT OF SULFUR ION CONCENTRATION ON STRUCTURAL AND OPTICAL PROPERTIES OF LEAD SULFIDE THIN FILMS OBTAINED BY CHEMICAL BATH DEPOSITION METHOD Bantie Yasabu and Fekadu Gashaw.....	16
COLOR AND PHYSICAL RESISTANCE OF TABLE GRAPES AS AFFECTED BY DEFICIT IRRIGATION AND ZN PULVERIZATION AS ADAPTIVE STRATEGIES TO CLIMATE CHANGE Ali Sabir, Gamze Sari, Ferhan Sabir, Busra Yildirim.....	25
MICROALGAE ( <i>Chlorella vulgaris</i> )-MEDIATED SECONDER METABOLITES AND ANTIOXIDATIVE DEFENSE SYSTEM IMPROVE PLANT GROWTH AND SALT TOLERANCE IN MELON Şebnem Kuşvuran and Ümmühan Türkmen Tuna.....	33
THE PROTECTIVE EFFECTS OF DILL ( <i>Anethum graveolens</i> L.) IN PARACETAMOL- INDUCED ACUTE TOXICATION IN MICE Serap KORKMAZ and Feride KOÇ.....	47