

*South-Western Journal of*  
**HORTICULTURE, BIOLOGY and**  
**ENVIRONMENT**

Vol. 15, No. 1 July 2024

*A journal of the University of Craiova,  
Faculty of Horticulture*

*Published by UNIVERSITARIA Publishing House, Craiova on behalf of:  
University of Craiova, Faculty of Horticulture  
University of Oradea, Faculty of Sciences  
Romanian Horticulture Society*

*International Coverage:*  
SCOPUS  
CAB Abstracts  
EBSCO  
Zoological Record (by former ISI)  
Index Copernicus

*First published 2010*  
P-ISSN: 2067-9874, E-ISSN: 2068-7958  
<http://biozoojournals.ro/swjhbe/index.html>

**Editorial office**  
University of Craiova, Faculty of Horticulture  
"A.I. Cuza" str. 13, 200585, Craiova, Dolj, Romania  
tel/fax: 0040251414541  
e-mail: sinacosmulescu@hotmail.com

## **Editorial Committee**

### **Editor in Chief:**

Sina N. COSMULESCU - University of Craiova, Romania

### **Editor:**

Sára FERENȚI - University of Oradea, Romania

### **Associate Editors:**

Dorin C. COSTEA - University of Craiova, Romania

Alfred S. CICORT-LUCACIU - University of Oradea, Romania

### **Technical Editor:**

Sára FERENȚI - University of Oradea, Romania

### **Editorial Board:**

Valerian BALAN - Universitatea Agrară de Stat din Moldova

Mihai BOTU - University of Craiova, Romania

Adrian CHIRA - USAMV Bucharest, Romania

Daniela CICHI - University of Craiova, Romania

Daniela CIUPEANU-CALUGAREANU - University of Craiova, Romania

Mark COYNE - University of Kentucky, College of Agriculture, SUSAN

Diana CUPSA - University of Oradea, Romania

Kerim ÇIÇEK - Ege University, Izmir, Turkey

Gülşah ÇOBANOĞLU - Marmara University, Istanbul, Turkey

Grzegorz GRZYWACZEWSKI - University of Life Sciences in Lublin, Lublin, Poland

Michèle GUILLOUX-BENATIER - I.U.V.V. Jules Guyot, France

Radu-Dorin ILE - Reading University, UK

Alexandru ILIES - University of Oradea, Romania

Ignacy KITOWSKI - State School of Higher Education in Chelm, Chelm, Poland

László KRECSÁK - Eötvös Loránd University, Budapest, Hungary

Mira IONICA - University of Craiova, Romania

Violeta NOUR - University of Craiova, Romania

Ilirjan MALOLLARI - University of Tirana, Faculty of Natural Sciences, Albania

Ion MITREA - University of Craiova, Romania  
Carmen NICU - University of Craiova, Romania  
Manuel Alvarez ORTI - University Castilla La Mancha, Spain  
Mehmet Musa ÖZCAN - Selçuk University , Konya , Turkey  
Alexandros PAPACHATZIS - Technological Education Institution of Larissa, Greece  
Jose Emilio PARDO GONZALEZ - University Castilla La Mancha, Spain  
Jocelyne PERARD - University of Bourgogne, France  
Daniel RĂDUȚOIU - University of Craiova, Romania  
Ioan ROSCA - USAMV Bucharest, Romania  
Liliana ROTARU - USAMV Iasi, Romania  
Radu SESTRAS - USAMV Cluj-Napoca, Romania  
Anita SOLAR - Biotechnical Faculty Agronomy, Ljubljana, Slovenia  
Ajai K. SRIVASTAV - DDU Gorakhpur University, Gorakhpur, India  
Tamás TÓTH - Budapest Zoo and Botanical Garden, Hungary  
Ioannis VAGELAS - Technological Education Institution of Larissa, Greece  
Mehmet Zülfü YILDIZ - Harran University, Osmanbey Campus, Turkey

### *Aims and scope*

*The South-Western Journal of Horticulture, Biology & Environment publishes papers in the broad field of horticulture, biology, and environmental sciences. It was founded in 2010 by a group of Romanian researchers that recognized the necessity to create a new peer-reviewed scientific journal in Romania. They also recognized the need to allow researchers to publish their research quickly and in a visible way. The SWJHBE is published twice a year (in July and December). The manuscripts submitted in SWJHBE should be primary research papers, reviews, and opinion papers. Original research papers are welcomed both as full-length papers and short notes. Review papers should deal with topics of current interest, presented in a synthetic way.*

Prof. Dr. Sina COSMULESCU  
Editor in Chief

# CONTENTS

## FULL PAPERS

**THE EFFECT OF MYCORRHIZA AND  
VERMICOMPOST ON PB-ABSORPTION,  
P-UPTAKE, AND YIELD OF CHILI PLANT  
(*Capsicum annuum* L.) ON TEXTILE  
WASTE CONTAMINATED SOIL**

*Pujawati SURYATMANA, Mieke Rochimi SETIAWATI,  
Arga RIZTAMA*.....pp. 1 - 18 / art.e24101

**OPTIMIZATION OF *in vitro* PROTOCOL FOR  
SURVIVAL AND REGENERATION OF  
GAMMA-INDUCED SCALPS IN  
*Musa acuminata* cv. Calcutta-4**

*Most. Arzu BANU, Ahmad Nazri Karim MAMUN,  
Mohammad Humayun KABIR, Md. Asadul ISLAM,  
Md. KHALEKUZZAMAN, Farhana RAHMAN,  
Md. Atiqur RAHMAN*.....pp. 19-38 / art.e24102

**GENETIC DIVERSITY AND GENOME STRUCTURE  
OF HISTORIC MEDITERRANEAN OLIVES**

*Chahrazad ZIAR, Ayed AMR,  
Monther T. SADDER*.....pp.39-51 / art.e24103

**NEW DATA ON ECOLOGICAL NICHE MODELLING  
AND FUTURE CLIMATE PROJECTIONS OF  
*ANATOLOLACERTA ANATOLICA*  
(ANATOLIAN ROCK LIZARD)**

*Mehmet Anıl OĞUZ, Ortaç ONMUŞ,  
Bayram GÖÇMEN*.....pp.52-67 / art.e24104

## SHORT NOTES

**A NEW RECORD OF *Salamandra salamandra*  
(AMPHIBIA) IN THE GETIC PIEDMONT,  
SOUTH-WESTERN ROMANIA**

*Daniel-Răzvan POP*.....pp.68-75 / art.e24201

