

ANNALS OF WEST UNIVERSITY OF TIMIȘOARA, SERIES OF BIOLOGY, publishes research papers on all aspects of the theory and application of biology.

CNCS code 248

ISSN on-line: 2285-7044

Editor-in-chief:

IANOVICI Nicoleta - *West University of Timișoara*, nicoleta.ianovici@e-uvt.ro

Editorial Advisory Board

- **ARSENE Gicu** - *Banat University of Agricultural Sciences and Veterinary Medicine Timișoara, Faculty of Agriculture*, Romania, botanix.timagro@yahoo.com
- **BIRSAN Marius-Victor** - *National Meteorological Administration*, Bucharest, Romania, marius.birsan@gmail.com
- **CELENK Sevcin**, *Uludağ University, Faculty of Science and Arts, Biology Department*, Turkey, sevcant@uludag.edu.tr
- **CHIFIRIUC Carmen Mariana** - *University of Bucharest, Faculty of Biology*, Romania, carmen_balotescu@yahoo.com
- **CUPȘA Diana** - *University of Oradea, Faculty of Sciences, Department of Biology*, Romania, cupsa2007@yahoo.com
- **DAMIALIS Athanasios** - *School of Biological Applications and Technology, University of Ioannina, Greece and School of Biological Sciences, Royal Holloway University of London, United Kingdom*, th_damialis@hotmail.com
- **GARCIA MOZO Herminia** - *University of Cordoba, Department of Botany, Ecology and Plant Physiology*, Spain, bv2gamoh@uco.es
- **GRINN-GOFRON Agnieszka** - *University of Szczecin, Faculty of Biology, Department of Plant Taxonomy and Phytogeography*, Poland, agofr@univ.szczecin.pl
- **GRUDNICKI Margareta** - *Ștefan cel Mare University of Suceava, Faculty of Forestry*, Romania, grudnickim@gmail.com
- **HAAS Doris Ulrike** - *Hygiene Institute, Medical University of Graz*, Austria, doris.haas@medunigraz.at
- **ILIE D. Marian** - *West University of Timișoara, Teacher Training Department*, Romania, marian.ilie@e-uvt.ro
- **IVĂNESCU Lăcrămioara Carmen** - *Alexandru Ioan Cuza University of Iași, Faculty of Biology*, Romania, ivanescu67@yahoo.com
- **KAYA Yalcin** - *Trakya University, Engineering Faculty, Edirne, Turkey*, yalcinkaya@trakya.edu.tr
- **MAKRA László** - *University of Szeged, Department of Climatology and Landscape Ecology*, Hungary, makra@geo.u-szeged.hu
- **MARIAN Monica Liliana** - *Tehnică University of Cluj Napoca, Baia Mare Center*, Romania, moni_marian@hotmail.com
- **MUÑOZ RODRIGUEZ Adolfo** - *University of Huelva, Department of Environmental Biology and Public Health*, Spain, adolfo.munoz@dbasp.uhu.es
- **NITIU Daniela Silvana** - *National University of La Plata, Faculty of Natural Sciences and Museum*, Argentina, danielanitiu@yahoo.com.ar
- **SCHRIMPF Anne** - *University Koblenz-Landau, Institute for Environmental Sciences*, Germany, schrimpf@uni-landau.de
- **ȘESAN Tatiana – Eugenia** - *University of Bucharest, Faculty of Biology*, Romania, tatianasesan@yahoo.com
- **SIKOPARIJA Branko** - *University of Novi Sad, Faculty of Sciences*, Serbia, sikoparijabranko@yahoo.co.uk
- **SIMON-GRUITA Alexandra** - *University of Bucharest, Faculty of Biology*, Romania, andasimon@yahoo.com
- **SÎRBU Culiță** - *Ion Ionescu de la Brad University of Agricultural Sciences and Veterinary Medicine of Iași, Faculty of Agriculture*, Romania, culita69@yahoo.com
- **SOARE Liliana Cristina** - *University of Pitești, Faculty of Sciences*, Romania, soleil_cri@yahoo.com
- **URECHE Dorel** - *Vasile Alecsandri University of Bacău, Faculty of Sciences*, Romania, dureche@ub.ro

CONTENT – volume28 (1)

Alin DOBREI Florin SALA	Analysis of the grape berries distribution by size categories in grape bunches	3
Constantina-Bianca VULPE Costel-Cristian BULANCEA Georgiana Gabriela DOCZI Diana-Larisa ROMAN Bianca-Vanesa AGACHI	Ecotoxicological impact of copper and manganese salts on <i>Lemna minor</i> : growth inhibition and biochemical alterations	17
Musibau O. ISA Oluwatayo Emmanuel ABIOYE Akeem Ganiyu RABIU Taiwo Ibukun AKINDAYINI Kehinde Raphael ADEWUMI	Investigations on the bio-active contents and antibacterial potentials in <i>Punctelia jeckeri</i> (Roum). Kalb. – a lichen species	27
Bianca-Vanesa AGACHI Constantina-Bianca VULPE Cosmina-Alecsia COSMA Diana ISTRATE Andrijana PUJICIC Adina-Daniela IACHIMOV-DATCU	Comparative evaluation of standardized methods for phytotoxicity testing	39
Ronald AKASH Muthusamy THANGARAJ	Influence of seaweed liquid extracts on the growth and nutritional profile of the microalga, <i>Nannochloropsis oculata</i> D. J. Hibberd 1981	47
Mutairu Abiodun ADEJUMO	Growth stage-dependent nutrient accumulation in <i>Solanum lycopersicum</i> L. and <i>Solanum melongena</i> L. under drought stress	59
Teodora-Maria BARNEA Constantina Bianca VULPE Oana Roxana TOADER Corina DUDA-SEIMAN Vasile OSTAFE Gheorghita MENGHIU	Stimulatory effects of raw <i>Chelidonium majus</i> extracts on the growth of various strains of microorganisms	65
Akeem Babalola KADIRI James Dele OLOWOKUDEJO Idiat Eniola ALLI Abiodun Emmanuel AYODELE	Heterogeneous micro-identities of the nigerian market branded spices	83
Aura-Stefania JILCOVICI Constantina Bianca VULPE Oana Roxana TOADER Corina DUDA-SEIMAN Vasile OSTAFE Gheorghita MENGHIU	Evaluation of the antimicrobial activity of five selected essential oils	91
Adeola Lydia ODETOYINBO Fadiora Modupe FLORENCE Wasiu Olanrewaju OPADOKUN Kehinde Stephen OLORUNMAIYE	Influence of organic and inorganic fertilizers on the growth and yield of chili pepper (<i>Capsicum annum</i>)	103
Camelia-Loredana MICLEA Constantina Bianca VULPE Oana Roxana TOADER Corina DUDA-SEIMAN Vasile OSTAFE Gheorghita MENGHIU	Effects of aqueous chili pepper extracts on various strains of microorganisms	111

CONTENT – volume28 (2)

Cerasela DRAGOMIRESCU Alexandra NĂSTASIE Alecu CIORSAC Adriana ISVORAN	Open databases for P-glycoprotein. Applications in drug research	123
Modupe Heritage AKOSILE Monsurat Olaide BABATUNDE Wasiu Olanrewaju OPADOKUN Kehinde Stephen OLORUNMAIYE	Effect of soil types and fertilizers on the growth and yield of onion (<i>Allium cepa</i> L.)	139
Abimbola Esther BANKOLE Benedicta Ada OTTAIROEGBU Caroline Emosioke UMEBESE	Effects of salicylic acid on growth and antioxidants of <i>Corchorous olitorius</i>	147
Temitope O. ONUMINYA Okwong J. WALTER Linus B. AJIKAH Oluwatoyin T. OGUNDIPE Toluwalope S. BOLARINDE	Seasonal variation of airborne pollen and spore concentration in the University of Lagos, Akoka, Lagos, Nigeria	167
Cristina TOTA Cristian BERAR Florin SALA	Comparative analysis of some tree species based on the rhytidom fractal geometry	193
Dariana-Alexia CRAȘOVAN Ioana-Maria TOPLICEAN Adina-Daniela IACHIMOV-DATCU	A comparative gravimetric study on some fruit tea assortments	205
Theodora CHIRILĂ Milca PETROVICI	Studies regarding of the ornithofauna of the banks of the Timiș river in the vicinity of Macedonia forest, Timiș County, Romania	215
Patricia SÎRBU Andra LIONTE Dorinela-Loredana MOȚ Rebeca-Didina IANUȘ Constantina-Bianca VULPE Bianca-Vanesa AGACHI Mariana-Adina MATICA Adina-Daniela IACHIMOV-DATCU	Preliminary investigation on some vegetal hydrogels indices	223
Roxana-Diana IONESCU Milca PETROVICI	The impact of power transmission networks on birds	233