



NOTULAE SCIENTIA BIOLOGICAE

2017 Volume 9, Issue 3

*Published by AcademicPres on behalf of:
Horticulture and Forestry Society from Transylvania*

Abstracted and/or indexed:

- Centre for Agriculture and Biosciences International (CABI), <http://www.cabi.org>
- ProQuest, <http://www.proquest.co.uk>
- Elton B Stephens Company (EBSCO), <http://www.ebscohost.com>
- Chemical Abstracts Service (CAS), <http://www.cas.org>
- CrossRef, <http://www.crossref.org>
- Google Scholar, <http://scholar.google.com>
- Directory of Open Access Journals (DOAJ), <http://www.doaj.org>
- British Library Direct (BLD), <http://explore.bl.uk>
- Index Copernicus, <http://www.indexcopernicus.com>
- Russian Scientific and Technical Information Institute (VINITI), <http://www.viniti.ru>
- Bielefeld Academic Search Engine (BASE), <http://www.base-search.net>
- China Educational Publications Import and Export Corporation (SOCOLAR), <http://www.socolar.com>
- Genamics JournalSeek, <http://journalseek.net>
- The National Science Digital Library (NSDL), <http://nsdl.org>
- WorldCat, <http://www.worldcat.org>

Print ISSN 2067-3205, Electronic ISSN 2067-3264

www.notulaebiologicae.ro

Editorial Committee

Editor-in-Chief:	Radu E. SESTRĂȘ	rsestras@notulae.ro
Advisory Editors:	Cornel CĂTOI	cornel.catoi@usamvcluj.ro
	Viorel MITRE	mitre.viorel@usamvcluj.ro
	Ioan Gheorghe OROIAN	ioan.oroian@usamvcluj.ro
	Doru PAMFIL	dpamfil@usamvcluj.ro
Executive Editors:	Cătălina DAN	editor5@notulae.ro
	Lucica MIHALTE (CRIȘAN)	lmihalte@notulae.ro
	Valentin SINGUREANU	editor3@notulae.ro
Associate Editors:	Sorana BOLBOACĂ	sbolboaca@umfcluj.ro
	Monica BOSCAIU	mobosnea@eaf.upv.es
	Vasile COZMA	vasile.cozma@usamvcluj.ro
	Bogdan GEORGESCU	bogdan.georgescu@usamvcluj.ro
	Ioan Ștefan GROZA	ioangroza@yahoo.com
	Liviu HOLONEC	liviu.holonec@usamvcluj.ro
	Lorentz JĂNTSCHI	lori@academicdirect.org
	Mihail KANTOR	catrisu@yahoo.com
	Felicia LOGHIN	floghin@umfcluj.ro
	Andrei Daniel MIHALCA	amihalca@usamvcluj.ro
	Vioara MIREȘAN	vmiresan@usamv.ro
	Sevastița MUSTE	smuste@usamvcluj.ro
	Ioana POP	popioana@usamvcluj.ro
	Ioan ROTAR	irotar@usamvcluj.ro
	Adriana F. SESTRĂȘ	adriana.sestras@usamvcluj.ro
	Carmen SOCACIU	csocaciu@usamvcluj.ro
	Alina M. TRUȚA	alina_vilcan@yahoo.com
	Dan VODNAR	dan.vodnar@usamvcluj.ro
Journal Secretary:	Roxana L. STOIAN	editor6@notulae.ro
Linguistic editors:	Mihaela RUSU	miky1000ro@yahoo.com
	Rodica STAN	ro7si@yahoo.com
Technical support:	Adriana D. BACIU	ady.baciu@yahoo.com
	Diana MIRCEA	editor4@notulae.ro
	Maria GIURGEA	editor2@notulae.ro
	Dorottya DOMOKOS	ddomokos@usamvcluj.ro
	Oana PERNES	editor3@notulae.ro
	Ioana Maria PLEȘA	editor7@notulae.ro

Editorial Board

Ioan Vasile ABRUDAN	Transilvania University, 1 Sirul Beethoven St., 500123 Brasov, Romania; abrudan@unitbv.ro
Douglas D. ARCHBOLD	University of Kentucky, Lexington, KY 40546-0091, USA; darchbol@uky.edu
Omar BAGASRA	Claflin University, 400 Magnolia Street, Orangeburg, SC 29115, USA; obagasra@claflin.edu
Grigore BĂCIUȚ	University of Medicine and Pharmacy, 37 Cardinal Iuliu Hossu St., 400029 Cluj-Napoca, Romania; gbaciut@umfcluj.ro
Umberto BERNABUCCI	University of Tuscia, Via S. Camillo de Lellis 1-01100 Viterbo, Italy; bernab@unitus.it
Dimitrios BILALIS	Agricultural University of Athens, Department of Crop Science, Iera Odos 75, 11855 Athens, Greece; bilalisdimitrios@yahoo.gr
Rebecca BULLARD-DILLARD	Claflin University, 400 Magnolia Street, Orangeburg, SC 29115, USA; rdillard@claflin.edu
Anca Dana BUZOIANU	“Iuliu Hatieganu” University of Medicine and Pharmacy Cluj-Napoca, 8 Victor Babes, Cluj-Napoca, Romania; abuzoianu@umfcluj.ro
Gheorghe CIMPOIEȘ	The State Agrarian University of Moldova, 44 Mircesti St., Chisinau, Moldova; cimpoies@uasm.md
Kamal CHOWDHURY	Claflin University, 400 Magnolia Street, Orangeburg, SC 29115, USA; kchowdhury@claflin.edu
Ioan COMAN	University of Medicine and Pharmacy, 13 Emil Isac, 400023, Cluj-Napoca, Romania; jcoman@yahoo.com
Vasile CRISTEA	Babes-Bolyai University, 44 Gh Bilascu St., 400015 Cluj-Napoca, Romania; cristea@grbot.ubbcluj.ro
Róbert FARKAS	Faculty of Veterinary Science, Szent István University, Budapest Pf. 2, Hungary; farkas.robert@aotk.szie.hu
László FODOR	Faculty of Veterinary Science, Szent István University, Budapest, Hungary; Fodor.Laszlo@aotk.szie.hu
Francisco FUENTES	Ernest Mario School of Pharmacy Rutgers, The State University of New Jersey, USA; francisco.fuentes@rutgers.edu
Marek GAJEWSKI	Warsaw Agricultural University, 166 Nowoursynowska, 02-787 Warsaw, Poland; marek_gajewski@sggw.pl
Stefano GREGO	University of Tuscia, Via S. Camillo de Lellis 1-01100 Viterbo, Italy; grego@unitus.it
Roman HOLUBOWICZ	Agricultural University of Poznań, Department of Horticultural Seed Science and Technology, Poland; rholubowicz@au.poznan.pl
Florin IORAȘ	Buckinghamshire New University, United Kingdom; Florin.Ioras@bucks.ac.uk
Alexandru IRIMIE	‘Ion Chiricuta’ Cancer Institute, 34-36 Republicii St., 400015, Cluj-Napoca, Romania; office@iocn.ro
Stefania MASCI	University of Tuscia, Via S. Camillo de Lellis 1-01100 Viterbo, Italy; masci@unitus.it
Dan MIHU	University of Medicine and Pharmacy, 13 Emil Isac, 400023, Cluj-Napoca, Romania; dan.mihu@yahoo.com
Meena MISRA	Institute of Frontier Sciences and Biotechnology, Baramunda, Bhubaneswar-751004, India; meenamisra@yahoo.com
Neiva Izabel PIEROZZI	Instituto Agronômico de Campinas, CPDR Geneticos Vegetais, Brazil; pierozzi@iac.sp.gov.br
Jaime PROHENS	Instituto de Conservación y Mejora de la Agrodiversidad Valenciana Spain; jprohens@btc.upv.es
Chen QIN	School of Life Science, Shanghai Univ., 99 Shangda R., Baoshan District, Shanghai, 200436, China; chenqincc@yahoo.com.cn
Klaus SCHALLER	Research Center Geisenheim, P.O. Box 1158, D-65358 Geisenheim, Germany; k.schaller@fa-gm.de
Lei SHI	University Massachusetts, Sch Med, Department Neurobiol, Worcester, MA 01605 USA; shil@janelia.hhmi.org
Oscar VICENTE	IBMCP Universidad Politécnica de Valencia, Camino de Vera s/n. 46022 Valencia, Spain; ovicente@ibmcp.upv.es

Notice

To be cited **Notulae Scientia Biologicae** or abbreviated title **Not Sci Biol**.

The Editorial Board of Not Sci Biol is not responsible for statements and opinions published; they represent the views of the authors or persons to whom they are credited. Publication of research information does not constitute a recommendation or endorsement of products involved.

Aims and scope

[Notulae Scientia Biologicae](#) is a quarterly peer-reviewed journal aimed at disseminating significant research and original papers, critical reviews and short reviews on life sciences and medicine, development of new methodologies that can be of interest to a wide audience of scientists in all areas of biology sciences. The journal encourages authors to frame their research questions and discuss their results in terms of the major questions of biology, agriculture, horticulture, forestry, biotechnology and medicine, thereby maximizing the impact, spreading and value of their research. The papers must be of potential interest to a significant number of scientists and, if specific to a local situation, must be relevant to a wide body of knowledge in life and medical sciences. Articles should make a significant contribution to the advancement of knowledge or toward a better understanding of existing biological, agricultural and medical concepts. An international Editorial Board advises the journal. The total content of the journal may be used for educational, non-profit purposes without regard to copyright. The distribution of the material is encouraged with the condition that the authors and the source (**Notulae Scientia Biologicae** or **Not Sci Biol**) are mentioned.

Submission

The journal offers to authors a fully web-enabled online manuscript submission, instructions for authors and review system available at <http://www.notulaebiologicae.ro>

Papers are published in English (British spelling) and the authors are fully responsible for the originality of their papers and for the correctness of their subject-matter, language and formal attributes. Authors whose mother tongue is not English are strongly urged to have their manuscripts reviewed linguistically before submission.

Manuscripts submitted must be edited, for clarity and conformity purposes according to Authors guidelines, and must not have been previously published or simultaneously submitted elsewhere.

The papers can be submitted online by the “senior author” (the main author, or the person who takes responsibility for the integrity of the work as a whole, from submission to the published article). The submission process is described on the web site.

An Author Statement, available on the website, should be enclosed by “senior author” declaring that the paper has not been published anywhere else, permission to reproduce the material, authorship credit, contributors and creditors for the integrity of the work as a whole, to avoid the conflicts of interest and scientist fraud, and respecting the ethical principles of publishing, research and scientific rights.

Publication Ethics and Publication Malpractice Policy

The journal respects the publication ethics norms, based on internationally accepted best practice guidelines for journal editors, notably the Committee on Publication Ethics (**COPE**), the World Association of Medical Editors Ethics (**WAME**), the International Committee of Medical Journal Editors (**ICMJE**) and Consolidated Standards of Reporting Trials (**Consort**).

Prof. dr. Radu E. SESTRĂȘ

Table of Contents - Vol 9, No 3 (2017)

Editorial	
Introduction Pages	PDF
Radu E. SESTRAS	I-VI
<hr/>	
Review articles	
Molecular Level Investigation of Staphylococci's Resistance Mechanisms to Antibiotics	PDF
Lavinia Lorena PRUTEANU, Lorentz JÄNTSCHI, Cornelia CRĂCIUNAȘ	307-314
Effect of Whole Quail (<i>Coturnix japonica</i>) Egg Consumption on some Reproductive Parameters and Lipid Profile of Male Albino Rat (<i>Rattus norvegicus</i>)	PDF
Chidozie N. OKOYE, Samuel O. EKERE, Onyinyechukwu A. AGINA, Ikechukwu J. UDEANI, Chukwunonso K. EZEASOR	315-320
Veterinarians' Perception, Knowledge and Practices of Antibiotic Stewardship in Enugu State Southeast, Nigeria	PDF
Madubuike Umunna ANYANWU, Oluwatosin Ajoke KOLADE	321-331
Effects of Vitamin E Supplementation in Male Rats with Crude Oil-Induced Reproductive Toxicity	PDF
Izuchukwu S. OCHIOGU, Udensi M. IGWEBUIKE, Edmund C. MBEGBU, Ikenna O. EZEH, Paschal F. NNAMANI	332-337
Body Weight, Carapace Length and Width Relationship and Condition Factor of the Mud Crab <i>Scylla serrata</i> (Forsk.) in Mangrove Ecosystem	PDF
Sarvabhowma Chakravarty MYLA, Vijaya Bharathi TIRUMANI, Rama Chandra Ganesh PATURI	338-343
Digestibility Study and Nutrient Re-evaluation in <i>Clarias gariepinus</i> Fed Blood Meal-Rumen Digesta Blend Diet	PDF
Bola M. LAWAL, Henry Adefisayo ADEWOLE, Victor F. OLALEYE	344-349
Phytochemical and HPTLC Studies on Fruit Extracts of <i>Momordica cymbalaria</i> Fenzl, a Medicinally Important Plant	PDF
Shantakani SRINIVASULU, Yarrama PALLAVI, Bollu GAYATRI DEVI, Hemalatha K. PADMA JYOTHI	350-360
Chemical Composition, Toxicity and Antifungal Activities of <i>Megaphrynium macrostachyum</i> (K. Schum) Leaf Extract against Foodborne Fungi	PDF
Oluwagbenga Oluwasola ADEOGUN, Adedotun Adeyinka ADEKUNLE, Erute Magdalene ADONGBEDE, Tom Anofi ASHAFI	361-370
Production of Phytotoxic Metabolite Using Biphasic Fermentation System from Strain C1136 of <i>Lasiodiplodia pseudotheobromae</i>, a Potential Bioherbicidal Agent	PDF
Charles Oluwaseun ADETUNJI, Julius Kola OLOKE, Gandham PRASAD, Moses ABALAKA, Emenike Onyebum IROKANULO	371-377
Physiological and Fluorescence Reaction of Four Rice Genotypes to Exogenous Application of IAA and Kinetin under Drought Stress	PDF
Mostafa SALEHIFAR, Babak RABIEI, Mansour AFSHAR MOHAMMADIAN, Jafar ASGHARI	378-385
Analysis of Leaf Yield Components in Fluted Pumpkin (<i>Telfairia occidentalis</i> Hook F.) Grown in Derived Savannah Agro-ecology	PDF
Uchechukwu Paschal CHUKWUDI, Christian U. AGBO, Chikezie O. ENE, Charles U. UBA, Jacob I. ENYI	386-391

Genetic Analysis and Trait Association in Multi-parent Advanced Generation Inter-Cross (MAGIC) F2 Population of Tobacco (<i>Nicotiana tabacum</i> L.)	PDF
Chakravarthi V.N. DHAVALA, Uma Mahesh PAPIDANDLA, Chidanand ULLAGADDI, Ganesh C. THIMMEGOWDA, Saiprasad V.S. GANDRA	392- 396
Phenotypic Variability of White Lupine (<i>Lupinus albus</i> L.) Germplasm	PDF
Natalia Anastasova GEORGIEVA, Valentin KOSEV	397- 403
Morphological, Anatomical and Cytological Studies of some Moss Species from Nigeria	PDF
Abolade Oluremi BOLAJI, Julius Olaoye FALUYI	404- 413
Changes in Nutrient Contents of Soil across Different Land Uses in a Forest Reserve	PDF
Oludare Oladipo AGBOOLA, Aderopo AKINSOJI, Stephen OYEDEJI	414- 421
Root Structure and Belowground Biomass of Hybrid Poplar in Forestry and Agroforestry Systems in Mediterranean France	PDF
Kaushalendra Kumar JHA	422- 432
The Effect of Sugar Beet Broadleaf Herbicides on Fluorescence Induction Curves in <i>Amaranthus retroflexus</i> L. and <i>Portulaca oleracea</i> L.	PDF
Ali Asghar CHITBAND, Reza GHORBANI, Mohammad Hassan RASHED MOHASSEL, Mahbubeh NABIZADE	433- 442
Green Nanotechnology: Synthesis of Silver Nanoparticles Using Aqueous Leaf Extract of <i>Swertia chirayita</i>	PDF
Manoj KUMAR, Manoranjan Prasad SINHA	443- 448

Journal Contact

Mailing Address

[Notulae Scientia Biologicae](#)

Radu E. SESTRAS, Editor-in-Chief

University of Agricultural Sciences and Veterinary Medicine

3-5 Manastur St., 400372 Cluj-Napoca, Romania

Phone: +40 264-596 384; Fax: +40 364-819 182

Email: rsestras@notulae.ro

Technical Support Contact

Email: editor1@notulae.ro

Journal Sponsorship

Publisher

- [Horticulture and Forestry Society from Transylvania](#) by AcademicPres

Sponsors

- [Horticulture and Forestry Society from Transylvania](#)
- [University of Agricultural Sciences and Veterinary Medicine \(UASVM\)](#)
- [Romanian Academy of Agricultural and Forestry Sciences](#)

Sources of Support

Additional agencies or organizations that provide financial or in-kind support:

- SC TOPOCADPRO SRL

