

**Programul National Nucleu:**  
**DEZVOLTAREA DE INSTRUMENTE SI STRATEGII DE VALORIFICARE SUPERIOARA A**  
**RESURSELOR NATURALE PENTRU IMBUNATATIREA EXPLOATARII DURABILE A**  
**ACESTORA IN BIO-INDUSTRII SI CONSEVAREA FUNCTIILOR ECOSISTEMELOR**  
**acronim BIODIVERS**

**Durata începerii: 08.03.2016**

**Data finalizării: 10.12.2017**

**1. Scopul programului: IDENTIFICAREA, CARACTERIZAREA ȘI UTILIZAREA BIORESURSELOR PENTRU OBȚINEREA DE SUBSTANȚE UTILE ÎN SCOPUL VALORIFICĂRII ÎN BIOECONOMIE ȘI PENTRU CONSERVAREA BIODIVERSITĂȚII**

**2. Modul de derulare al programului:**

Derularea programului „*Dezvoltarea de instrumente si strategii de valorificare superioara a resurselor naturale pentru imbunatatirea exploatarii durabile a acestora in bio-industrii si consevarea functiilor ecosistemelor*” s-a realizat avand in vedere urmatoarele obiective principale:

- ✓ CARACTERIZAREA SUBSTANTELOR SI PROCESELOR DE BAZA ALE SISTEMELOR BIOLOGICE SI A INTERELATIILOR LA NIVEL MOLECULAR SI/SAU CELULAR IN VEDEREA VALORIFICARII LOR
- ✓ EVALUAREA BIODIVERSITĂȚII ȘI A REACTIVITĂȚII SISTEMELOR BIOLOGICE LA FACTORII DE IMPACT NATURALI ȘI ANTROPICI, ÎN VEDEREA IDENTIFICĂRII DE UTILIZĂRI BIOTEHNOLOGICE A BIORESURSELOR ȘI DE BIOINDICATORI PENTRU MONITORIZAREA ȘI PROTECȚIA MEDIULUI
- ✓ IDENTIFICAREA, CARACTERIZAREA, AUTENTIFICAREA UNOR FITOCOMPLECSI BIOACTIVI DIN PLANTE, INTEGRABILI IN FORMULE DE ALIMENTE FUNCTIONALE SI SUPLIMENTE ALIMENTARE CU UTILIZARI MULTIPLE

**2.1. Proiecte contractate:**

Cod obiectiv	Nr. faze contractate 2016	Nr. faze finalizate 2016	Nr. faze contractate 2017	Nr. faze finalizate 2017
PN 16190101	3	3	2	2
PN 16190102	1	1	1	1
PN 16190103	2	2	2	2
PN 16190104	2	2	2	2
PN 16190105	2	2	2	2
PN 16190106	1	1	4	4
PN 16190301	3	3	1	1
PN 16190401	3	3	1	1
<b>Total:</b>	<b>17</b>	<b>17</b>	<b>15</b>	<b>15</b>

### 3. Lucrări științifice publicate în jurnale cu factor de impact relativ ne-nul (2016-2017):

Nr.	Titlul articolului	Numele Jurnalului, Volumul, pagina nr.	Nume Autor	Anul publicării	Scorul relativ de influență al articolului	Numărul de citări ISI
1.	Differences in temperature and water chemistry shape distinct diversity patterns in thermophilic microbial communities.	Appl Environ Microbiol 83:e01363-17.	Chiriac CM, Szekeres E, Rudi K, Baricz A, Hegedus A, Dragos, N, Coman C.	2017	1,2	
2.	An Innovative Ointment Made of Natural Ingredients with Increased Wound Healing Activity	Romanian Biotechnological Letters, Vol. 21, No. 2	Andrei Zbucnea, Liliana Lungu, Claudia-Valentina Popa, Victorita Tecuceanu, Valentina Alexandru, Rodica Tatia	2016	0.143	
3	Subsets of telocytes: myocardial telocytes	Annals of Anatomy <a href="http://dx.doi.org/10.1016/j.aanat.2016.09.006">http://dx.doi.org/10.1016/j.aanat.2016.09.006</a>	M.C. Rusu, S. Hostiuc, A.D. Vrapciu, L. Mogoata, V.S. Manoiu, F. Grigoriu	2016	1.000	4
4	Endothelial progenitor cells populate the stromal stem niche of tympanum	Folia Morphologica, doi:10.5603/FM.a2017.0038.	Rusu MC, Manoiu VS, Popescu VM, Ciuluvica RC	2017	0,259	2
5	Usefulness of ultrastructure studies for the estimation of the postmortem interval. A systematic review	Rom J Morphol Embryol, 52(3):377-384.	Hostiuc S, Rusu MC, Manoiu VS, Vrapciu AD, Negoii I, Popescu MV	2017	0,146	
6	New crosslinked composite hydrogels based on cartilage matrix component enriched with SDF-1 factor for cartilage repair	Journal of Applied Biomaterials & Functional Materials	Elena Iulia Oprita, Agnes Toma, Larisa Calu, Anca Oancea and Oana Craciunescu	2017	0,424	
7	Altered mitochondrial anatomy of trigeminal ganglia neurons in diabetes	The Anatomical Record, 299(11),1561-1570	Rusu MC, Manoiu VS, Vrapciu AD, Hostiuc S, Mirancea N	2016	1,032	1
8	Lipid nanostructures containing atorvastatin decrease lipopolysaccharide-induced inflammation in macrophages	Journal of Nanoscience and Nanotechnology, 17(7), 4631-4637	Moisei M, Craciunescu O, Moldovan L, Roseanu A, Trif M	2017	0,457	
9	Antioxidant and cytotoxic properties of riboflavin in PEG/BSA systems	Chemical Papers, 71(6), 1107-1117	Voicescu M, Neacsu G, Beteringhe A, Craciunescu O, Tatia R, Moldovan L	2017	0,632	
10	Synthesis, physicochemical	New Journal of Chemistry, 41, 5533-	Voicescu M, Ionescu S, Nistor CL,	2017	1,619	

	characterization and cytotoxic properties of riboflavin loaded Myrj52-silver nanoparticles	5541	Craciunescu O, Tatia R, Moldovan L, Teodorescu VS			
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11	Effect of sublethal nickel chloride exposure on crayfish, <i>Astacus leptodactylus</i> ovary: an ultrastructural, autometallographic, and electrophoretic analyses	Microscopy and Microanalysis, 23, 668-678	Zarnescu O, Petrescu AM, Gaspar A, Craciunescu O	2017	1,517	
12	Biosynthesis and characterization of silver nanoparticles in collagen gel for periodontitis treatment	Particulate Science and Technology (in review)	Craciunescu O, Seciu A-M, Manoiu VS, Trif M, Moisei M, Nicu AI, Zarnescu O	2017	0,412	
13	Hybrid material with enhanced biological properties for periodontitis treatment	Journal of Applied Biomaterials & Functional Materials (send for publication)	Seciu A-M, Gaspar A, Moldovan L, Nicu AI, Miculescu F, Craciunescu O	2017	0,424	
14	Molecular phylogeny of <i>Botryococcus braunii</i> strains (race A) – An integrative approach	Algal Research 19 (2016) 189–197	Adriana Hegeđuş, Aurel Mocab, Lucian Barbu-Tudoran, Cristian Coman, Nicolae Dragoş			
15	Exploring the different facets of plant endemism in the South-Eastern Carpathians: a manifold approach for the determination of biotic elements, centres and areas of endemism	Biological Journal of the Linnean Society	Bogdan-Iuliu Hurdu, Tania Escalante, Mihai Puşcaş, Andrew Novikoff, Laszlo Bartha Şi Niklaus E. Zimmermann			
16	Maize cytolines unmask key nuclear genes that are under the control of retrograde signaling pathways in plants	Genome Biology and Evolution, Volume: 8 Issue: 11, Pages: 3256-3270	Mihai Miclaus, Ovidiu Balacescu, Ioan Has, Loredana Balacescu, Voichita Has, Dana Suteu, Samuel Neuenschwander, Irene Keller şi Rémy Bruggmann			
17	A syntaxonomic revision of floodplain forest communities in Romania	Tuexenia 36: 9–22	Gheorghe Coldea, Tudor-Mihai Ursu			
18	Structural and functional diversity of nematode fauna associated with habitats located in the Natura 2000 site Apuseni (Romania),	Russian Journal of Nematology	Marcel Ciobanu, Iuliana Popovici			
19	CA3 hippocampal field: Cellular changes and its relation with blood nitro-oxidative stress reveal a balancing function of CA3 area in rats exposed	Brain Research Bulletin 130: 10–17	Toma, V.A, Fărcaş, A.D., Pârveu, M., Silaghi-Dumitrescu, R., Roman, I.			

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20	Unique postglacial evolution of the hornbeam ( <i>Carpinus betulus</i> L.) in the Carpathians and the Balkan Peninsula revealed by chloroplast DNA	Science of the Total Environment, 599-600, pp. 1493-1502	Postolache, D., Popescu, F., Paule, L., Ballian, D., Zhelev, P., Fărcaș, S., Paule, J., Badea, O.			
21	Phytoremediation research - how Romania is placed worldwide	Romanian Biotechnological Letters Vol. 22	Amărioarei, A., Ițcuș, C., Păun, M.			
22	Chemical constituents and bioactive potential of <i>Portulaca pilosa</i> L vs. <i>Portulaca oleracea</i> L.	Medicinal Chemistry Research, 26, pp. 1526-1537.	Gatea F., Teodor E.D., Seciu A.M., Radu G.L.	2017	0,445	
23	Monosaccharides composition and cytostatic activity of polysaccharide fraction of <i>Phemeranthus confertiflorus</i> L.	Farmacia, 65 (5), pp. 795-801	Gatea F., Teodor E.D., Seciu A.M.	2017	0,114	
24	Organic Acids Chemical Profiling In Food Items	Revista de Chimie, 2017, 68, 1147-1152.	Badea, G.I., Radu, G.L.,	2017	0,183	
25	Polyphenols, organic acids and antioxidant activity in unexplored <i>Phemeranthus confertiflorus</i> L.	Revista de Chimie, 2017, vol. 68, nr. 12, acceptata.	Gatea F., Teodor E.D., Radu G.L.	2017	0,183	
26	A bioanalytical approach of chemical composition, bioactivity and cytotoxicity of <i>Berteroa incana</i> L. herb	Natural Product Research, DOI: 10.1080/14786419.2017.1380014	Ungureanu O., Gatea F., Teodor E.D., Seciu A.M., Radu G.L.	2017	0,774	
27	Development and Application of a HPLC-PDA-FL Method for the Determination of Melatonin and its Precursors in Infant Formulas	Food Anal. Methods (2017). <a href="https://doi.org/10.1007/s12161-017-1068-y">https://doi.org/10.1007/s12161-017-1068-y</a>	Camelia Albu, Gabriel-Lucian Radu	2017	1,205	
28	Extensive analysis of native and non-native <i>Centaurea solstitialis</i> L. populations across the world shows no traces of polyploidization	PeerJ 5:e3531, 1-10. ISSN: 2167-8359, DOI 10.7717/peerj.3531, <a href="https://peerj.com/articles/3531/">https://peerj.com/articles/3531/</a>	Ramona-Elena Irimia, Daniel Montesinos, Özkan Eren, Christopher J. Lortie, Kristine French, Lohengrin A. Cavieres, Gastón J. Sotes, José L. Hierro, Andreia Jorge, João Loureiro	2017	0.822 (IF 2,177)	
29	Synthesis, properties, and fungal degradation of castor-oil-based polyurethane composites	Cellulose, vol 23 (4), p.: 2515-2526	Oprea, Stefan; Potolinca, Violeta Otilia; Gradinariu, Petronela; et al.	2016	1.43	1

	with different cellulose contents					
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30	Structural analysis of lime wood biodegraded by white rot fungi through infrared and two dimensional correlation spectroscopy techniques	Journal of Molecular Structure, vol. 1124, p.78–84	Carmen-Mihaela Popescu, Petronela Gradinariu, Maria-Cristina Popescu	2016	0.516	0
31	Distribution of the genus Veigaia (Mesostigmata: Veigaiidae) in Romania with notes on the species ecology	Biologia, Section Zoology, De Gruyter, 72(6), p. 628-641	Manu Minodora, Călugăr Adina, Badiu Denisa Lavinia	2017	0,411	0
32	Fungal degradation behavior of two series of polyurethane urea composites obtained by different silver incorporation methods	Journal of Elastomers and Plastics, vol 49(2), p.120-131	Stefan Oprea, Petronela Gradinariu, Aurora Joga, Bica Zorlescu, Veronica Oprea, Violeta Otilia Potolinca	2017	0.498	0
33	The evaluation of heavy metals pollution impact through some biochemical, physiological and histoanatomical aspects at woody species from mining areas at Suceava's county, Romania	Carpathian journal of earth and environmental sciences, Volum: 12 Issue: 1, pp : 141-152	Todirascu-Ciornea, Elena, Dumitru Gabriela; Boz Irina	2017	0.122	0
34	Chemical composition of essential oils and secretory hairs of Thymus dacicus Borbás related to harvesting time	Cellulose Chemistry and Technology, (vol. 51, issue 9-10)	Irina Boz, Andrei Lobiuc, Corneliu Tanase	2017	0.184	0
35	Antioxidant and antigenotoxic potential of Ramaria largentii Mearr & D. E. Stuntz, a wild edible mushroom collected from Northeast Romania	Food and Chemical Toxicology, 108, p. 429-437, Part: B, ISSN: 0278-6915	Aprotosoia A.C., Zavastin D.E., Mihai CT, Voichita G., Gherghel D., Silion M., Trifan A., Miron A.	2017	2.066	1
36	Phenology and temperature dependent of Ceutorhynchus assimilis, a potential biological control agent for Lepidium draba	Journal of Applied Entomology, 2017, 141 (3): 219–230	Adrien von Virag, H. L. Hinz, R. Weiss, T. Haye, A. Diaconu, C. Closca, H. Mueller-Schaerer.	2017	1.664	0
37	New and uncommon species of Oppiidae (Acari, Oribatida) recorded in Romania	Acarologia	Otilia Ivan	2017	0 (sub tipar)	0
38	Soil mesostigmatid mites as a potential tool for bioindication concerning ecological status of forest	Acarologia	Adina Calugar	2017	0 (sub tipar)	0

39	Antigenotoxic and antioxidant activities of a polyphenolic extract from European <i>Dracocephalum moldavica</i> L.	Industrial Crops and Products, 79: 248-257, ISSN: 0926-6690, eISSN: 1872-633X, DOI: 10.1016/j.indcrop.2015.11.004	Ana Clara Aprotosoia, Cosmin Teodor Mihai, Gabriela Vochita, Pincu Rotinberg, Adriana Trifan, Simon Vlad Luca, Tudor Petreus, Elvira Gille, Anca Miron	2016	0.669 (IF 3.181)	3
40	Essential oils of <i>Lavandula</i> genus: a systematic review of their chemistry	Phytochem Rev (2017) 16:761–799, ISSN: 1568-7767 (Print) 1572-980X (Online), DOI 10.1007/s11101-017-9517-1	Ana Clara Aprotosoia, Elvira Gille, Adriana Trifan, Vlad Simon Luca, Anca Miron	2017	0.858 (IF 3.393)	0
41	Ornamental Asteraceae Species as New Sources of Secondary Metabolites	Indian Journal of Pharmaceutical Education and Research, 51 (3):5425-5428, iulie-septembrie (vol. special), ISSN-0019-5464 DOI: 10.5530/ijper.51.3s.61	Ana Flavia Burlec, Cristina Arsene, Elvira Gille, Monica Hăncianu, Oana Cioancă	2017		0
42	Benefits and limitations of DNA barcoding and metabarcoding in herbal product authentication	Phytochemical Analysis, 10.1002/pca.2732	Ancuta Cristina Raclariu, Michael Heinrich, Mihael Cristin Ichim, Hugo J. de Boer	2017	IF 2.292	
43	<i>Veronica officinalis</i> Product Authentication Using DNA Metabarcoding and HPLC-MS Reveals Widespread Adulteration with <i>Veronica chamaedrys</i>	Front Pharmacol.,19;8:378	Raclariu AC, Mocan A, Popa MO, Vlase L, Ichim MC, Crisan G, Brysting AK, de Boer H	2017	1.242 (IF 4.4)	1
44	Comparative authentication of <i>Hypericum perforatum</i> herbal products using DNA metabarcoding, TLC and HPLC-MS	Sci Rep., 7, 1:1291	Raclariu A.C., Paltinean R., Vlase L., Labarre A., Manzanilla V., Ichim, M.C., Crisan G., Brysting A.K., de Boer, H.J	2017	1.484 (IF 4.259)	3

**4. Lucrări/comunicări științifice publicate la manifestări științifice (conferințe, seminarii, worksopuri, etc):**

Nr. crt.	Titlul articolului, Manifestarea științifică, Volumul, Pagina nr.	Nume Autor	An apariție	Nr. citări ISI
1.	The 12th edition of the National Symposium with International Participation "Medicinal plants-Present and perspectives", 6-9 September 2016, Piatra Neamț, Romania	Antioxidant properties of extracts from Crataegus pentagyna assesing by flow cytometry: potential applications in blood storage, Tușa I, Grigoraș V, Gille E, Bratosin D	2016	
2	Bacterial diversity in glaciers from King George Island, Antarctica. IUBMB "STANDARD" Conference: Modern Biotechnologies in Sustainable Development of the Danube Delta.	Ițcuș C, Marin C, Coman C, Tușa IM, Sidoroff ME, Purcărea C	2016	
3	Microbial community structure in different snow types from King George Island, Antarctica. SCAR Open Science Conference 2016, Abstract book, pp. 72	Chiriac C, Itcus C, Purcarea C, Dragos N, Rudi K, Avramescu SM, Fierascu I, Barbu-Tudoran L, Tusa I, Sidoroff ME, Coman C	2016	
4	Spatial Diversity of Glacier Ice Bacteria from King George Island (NW Antarctica). SCAR Open Science Conference 2016, Abstract book, pp. 737	Ițcuș C, Coman C, MarinNielsen TK, Hansen L, Tușa I, Sidoroff ME, Purcărea C	2016	
4.	Influence of ecological conditions from Antarctica on human erythrocytes viability. Preliminary report. SCAR Open Science Conference 2016, Abstract book, pp. 778	Tușa I, Sidoroff ME, Bratosin D	2016	
5.	Microbial diversity of glacial habitats from King George Island (NW Antarctica)" First APECS Balkan Meeting, 2016	Ițcuș C	2016	
7	Draft genome sequence of Janthinobacterium sp. strain ROICE36, isolated from snow samples collected from the King George Island, Antarctica. Proceedings of the 6 <sup>th</sup> Aquatic Biodiversity International Conference, pp. 31	Chirac C, Baricz A, Coman C	2017	
8	Interactions between surface waters in King George Island, Antarctica – a stable isotope perspective. Geophysical Research Abstracts, Vol. 19, EGU2017-13450	Perșoiu A, Bălăuță C.	2017	
9	Environment dependent distribution of glacier and subglacial microbial	Itcus C, Hong, SG, Marin C, Coman C, Tusa I, Sidoroff ME, Purcărea C	2017	

	communities from King George Island (NW Antarctica). XXIIth SCAR Biology Symposium Leuven, Belgia pp.370			
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10	Microbial diversity of glacier ice and subglacial streams from King George Island. 7 <sup>th</sup> International Conference on Polar & Alpine Microbiology, Nuuk, Groenlanda pp.55	Iteus C, Marin C, Hong, SG, Lavin P, Coman C, Tusa I, Sidoroff ME, Purcărea C	2017	
11	River ecosystem classification through heavy metal assessment. The international symposium protection of the black sea ecosystem and sustainable management of maritime activities - PROMARE 2017, Constanța, România	Amarioarei A, Tușa I, Ițcuș C, Sidoroff M, Păun M	2017	
12	Collagen membranes enriched with plants extracts used as scaffold in wound healing, 12th National Symposium with International Participation, Medicinal Plants – present and perspectives (MAPPPS), Piatra Neamt, Romania, Book of Abstracts, p. 104-105 .	Elena Iulia Oprita, Rodica Tatia, Larisa Calu, Agnes Toma, Lucia Moldovan	2016	
13	Biopolymer hydrogel coupled with indigenous herbal extract potentially therapeutics, 12th National Symposium with International Participation, Medicinal Plants – present and perspectives (MAPPPS), Piatra Neamt, Romania, Book of Abstracts, p. 112-113.	Tcacenco L, Iordachel C, Berteanu E, Paraschiv M, Dinu EL, Enache MI, Zuav AL, Tusa IM, Geanta M	2016	
14	Composite hydrogel enriched with SFD-1 for cartilage regeneration: characterization and biocompatibility, Conferinta Internationala BIOREMEDI 2017, Timisoara, Romania, Book of Abstracts, p.155.	Elena Iulia Oprita, Agnes Toma, Larisa Calu and Oana Craciunescu	2017	
15	Tailoring photochemically cross-linked porous polymeric scaffolds for periodontal regeneration, Conferinta Internationala “Modern Biotechnologies in Sustainable Development of the Danube Delta”, Book of Abstracts, p. 48-49	Seciu AM, Gaspar A, Moldovan L, Craciunescu O, Zarnescu O	2016	
16	Obtinerea si caracterizarea unei culturi primare de fibroblaste gingivale si interactia acestora cu biomateriale destinate tratamentului bolii parodontale, Sesiunea de Comunicari Stiintifice a Studentilor Facultatii de Biologie, Bucuresti, Volumul sesiunii, p. 37, Ed. Ars Docendi	Seciu AM, Craciunescu O, Moldovan L, Zarnescu O	2016	
17	Effect of culture medium supplementation with phytochemicals on	Seciu A-M, Moldovan L, Coroiu V, Craciunescu O, Zarnescu O	2016	



	human gingival fibroblast cells proliferation, 12 <sup>th</sup> National Symposium with International Participation “Medicinal Plants – present and perspectives”, Piatra Neamt, Book of Abstracts, p. 110-111			
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18	Novel aminopyrazole derivatives biologically active. Structural analysis, 16 <sup>th</sup> International Conference of Physical Chemistry, Galati, poster	Buta C, Turcu M, Iote M, Radu M, Ferbinteanu M, Dumitrascu F, Draghici C, Tatia R, Moldovan L, Ardelean I, Zalaru C	2016	
19	New substituted aminopyrazole with potential antitumor activity, 16 <sup>th</sup> International Conference of Physical Chemistry, Galati, poster	Patrascu B, Dumitrascu F, Draghici C, Tatia R, Moldovan L, Marinescu M, Zalaru C	2016	
20	Osteogenic and antibacterial properties of collagen-chondroitin sulfate sponge functionalized with fibronectin and nanosilver for periodontitis treatment, The International Seminar on Biomaterials and Regenerative Medicine BIOREMEDI 2017, Timisoara, 5-8 oct 2017, Book of Abstracts, p. 170.	Seciu AM, Gaspar A, Moldovan L, Nicu AI, Miculescu F, Craciunescu O, Zarnescu O	2017	
21	Evaluation of silver nanoparticles embedded in organic matrix with enhanced biocompatibility and antibacterial activity for periodontal disease treatment, Al XII-lea Simpozion Academician Nicoale Cajal al Academiei de Stiinte Medicale, Bucuresti, 30 martie -1 aprilie 2017, p. 96-97.	Seciu AM, Craciunescu O, Gaspar-Pintiliescu A, Trif M, Moisei M, Nicu AI, Zarnescu O	2017	
22	New materials and devices for biomedical applications, International Union of Materials Research Societies – The 15 th International Conference on Advanced Materials, August 27-September 1, Kyoto, Japan, 2017- prezentare orală.	D. Batalu, F. Nastase, M. Militaru, M. Gherghiceanu, L. Moldovan, M. Bucur, G. Aldica, P. Badica	2017	
23	Chemopreventive functional food through selenium biofortification of cauliflower plants, Studia Universitatis Vasile Goldis, Seria Stiintele Vietii, Vol. 26 Issue 2	Oancea A., Crăciunescu O., Gaspar A., Moldovan L., Seciu A-M, Utoiu E., Georgescu F., Turcu D.	2016	1
24	Riboflavin cross-linking of collagen porous scaffolds for periodontal regeneration, Studia Universitatis Vasile Goldis, Seria Stiintele Vietii, Vol. 26 Issue 2	Seciu A-M., Gaspar A., Stefan L.M., Moldovan L., Craciunescu O., Zarnescu O.	2016	
25	Flow cytometry of nucleated red blood cells used as monitoring technique for aquatic risk assessment. A review, Studia Universitatis Vasile Goldis, Seria Stiintele Vietii, Vol. 26 Issue 2	Bratosin D., Dobre A-M, Rugina A., Calu L., Tuşa I., Toader L., Stan L., Covaci A., Petrescu C-M, Stana Iulian Octavian, Turcuş V., Ardelean A., Slomianny C., Marinescu A.G.	2016	
26	The action of two kinds of lingonberry (Vaccinium vitis-idaea L.) extracts on liver function in Paracetamol - induced	Ioana Roman, Ana Coste, Adela Halmagyi, Vlad Toma, Anca Farcaş	2016	

	toxicosis, PLANTE MEDICINALE – PREZENT ȘI PERSPECTIVE			
27	Trends in romanian medicinal plants scientific research, PLANTE MEDICINALE – PREZENT ȘI PERSPECTIVE	Alexandru Amărioarei, Raul Jibotean, Iris Tușa, Corina Ițcuș, Marian Buțu	2016	
28	Approximations for the distribution of the three-dimensional continuous scan statistics, A 20-a Conferinta a Societatii de Probabilitati si Statistica din Romania	Amărioarei, A.	2017	
29	The phytochemical investigations of <i>Ajuga reptans</i> and <i>Ajuga genevensis</i> starting from ethno pharmaceutical data, Trends in Natural Product Research – PSE Young Scientists Meeting, Lille	Valentin Grigoras, Manuela Elisabeta Sidoroff, Radu Necula, Irina Boz, Elvira Gille, Georgiana Luminita Gavril	2017	
30	Nutraceuticals based on volatiles as metabolic enhances, Trends in Natural Product Research – PSE Young Scientists Meeting, Lille	Anca Boldea, Elvira Gille, Radu Necula, Ruxandra Mihaela Cretu, Georgiana Luminita Gavril, Monica Hancianu	2017	
31	Biological implications of different secondary metabolites found in ornamental Asteraceae, Grigore T.Popa University of Medicine and Pharmacy Iasi	Burlec Anca Flavia, Cioanca Oana, Gille Elvira, Hancianu Monica	2017	
32	The variability of volatile compounds of <i>Lavandula</i> spp. from Romania cultures, Trends in Natural Product Research – PSE Young Scientists Meeting, Lille	Radu Necula, Elvira Gille, Georgiana Luminita Gavril, Manuela Elisabeta Sidoroff, Valentin Grigoras	2017	
33	Statistical Evaluation of the Romanian Therapeutic Lakes Through Their Biochemical Characteristics, 2017 International Symposium Protection of the Black Sea ecosystem and sustainable management of maritime activities PROMARE 2017, 8th Edition, Constanta, ROMANIA, 7-9 Septembrie	Alexandru Amarioarei, Corina Itcus, Iris Tusa, Manuela Sidoroff, Mihaela Păun	2017	
34	Total polyphenols, flavonoids and antioxidant activity of Romanian propolis samples, A XII-a editie a Simpozionului national cu participare internationala, Plantele medicinale-prezent si perspective, 6-9 sept. Piatra Neamt, vol.1, pp 92-93.	Gatea et al.	2016	
35	Plant extracts with therapeutic value, existing in Danube-Danube Delta basin, Simpozionul International “Prioritatile Chimiei pentru o Dezvoltare Durabila-PRIOCHEM” Editia 13, Octombrie 2017, organizat de catre Institutul National de Cercetare-Dezvoltare pentru Chimie si Petrochimie-ICECHIM,	Elena Berteanu, Maria Paraschiv, Carmen Manole, Adina-Lidia Zuav, Luminita Tcacenco.	2017	
36	Alkane content in the cuticle of tall fescue ( <i>Festuca arundinacea</i> ) plantlets exposed to metal ions 3rd International Conference on Natural Products Utilization: from Plants to Pharmacy	Radu Necula, Elvira Gille, Alin-Constantin Dirtu, Vasile-Robert Gradinaru, Brindusa-Alina Petre, Gabi Drochioiu	2017	

	Shelf (ICNPU-2017), 18-21 October 2017, Bansko, BULGARIA, Book of Abstracts, p. 94, ISBN: 978-619-7240-48-1			
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37	Phytobiological testing of some vegetal extracts with phytotherapeutic potential for their safety evaluation 3rd International Conference on Natural Products Utilization: from Plants to Pharmacy Shelf (ICNPU-2017), 18-21 October 2017, Bansko, BULGARIA, Book of Abstracts, p. 185, ISBN: 978-619-7240-48-1	Elvira Gille, Carmen E. Tebrencu, Iris M. Tusa, Radu Necula, Valentin A. Grigoras, Ruxandra M. Cretu, Georgiana L. Gavril	2017	
38	Comparative evaluation of six essential oils of <i>Matricaria recutita</i> L. from Romania PSE International Symposium “New & Old Phytochemicals: Their Role in Ecology, Veterinary & Welfare” September 17-20, 2017, Francavilla al Mare, Chieti, Italy, Book of Abstracts, p.47, ISBN 978-88-942744	R. Necula, G.L. Gavril, R. Cretu, V. Grigoras, D. Bobit, E. Gille	2017	
39	Chemical evaluation of a complex vegetal extract used in apiculture PSE International Symposium “New & Old Phytochemicals: Their Role in Ecology, Veterinary & Welfare” September 17-20, 2017, Francavilla al Mare, Chieti, Italy, Book of Abstracts, p.74, ISBN 978-88-942744	Elvira Gille, Radu Necula, Georgiana Luminita Gavril, Ruxandra Mihaela Cretu, Valentin Aurica Grigoras	2017	
40	New and uncommon species of Oppiidae (Acari, Oribatida) recorded in Romania/ 8 <sup>th</sup> Symposium of the European Association of Acarologists (EURAAC), July 11-15, 2016, Valencia, Spain, Book of abstracts p. 83	Ivan Otilia	2016	0
41	Soil mesostigmatid mites as a potential tool for bioindication concerning ecological status of forest/ 8 <sup>th</sup> Symposium of the European Association of Acarologists (EURAAC), July 11-15, 2016, Valencia, Spain, Book of abstracts p. 80	Călugăr Adina	2016	0
42	Soil microarthropods and their bioindicator value regarding the bio-edaphic conditions in forest ecosystems of Danube Delta / STANDArD IUBMB Symposium on Modern Biotechnologies in Sustainable Development of the Danube Delta, May 31-June 2, 2016, Murighiol, Tulcea, Romania, Book of abstracts p. 64-65.	Călugăr Adina, Ivan Otilia	2016	0
43	Leaf ecophysiological traits used as a			0

	tools for assessing forest ecosystems disturbance in Danube Delta/Faculty of Biology Annual Scientific Meeting, FBASM 2016, “ Alexandru Ioan Cuza” University of Iași, 20 <sup>th</sup> -22 <sup>nd</sup> October 2016, Iași România, Book of abstracts p. 34.	Acatrinei Ligia	2016	
44	Characterization of Representative Soils from the Confluence of Pereschivul Mic with Pereschivul Mare Rivers/ International Scientific Congress 20-22 October 2016, Univ. of Agricultural Sciences and Veterinary Medicine of Iasi, Book of abstracts, p. 49-50	Lungu Constantineanu Camil Stefan, Filipov Feodor	2016	0
45	Monitoring a bioindicator on Rhizopus nigricans (Ehrens.) species under the influence of light metals/ IUBMB Symposium on Modern Biotechnologies in Sustainable Development of the Danube Delta – STANDArD, May 31 - June 2, 2016, Murighiol, Tulcea, Romania, Book of abstracts p. 45.	Grădinariu Petronela	2016	0
46	Molecular identification and screening of textile dye degrading yeasts, originated in various habitats of Danube Delta / IUBMB Symposium on Modern Biotechnologies in Sustainable Development of the Danube Delta – STANDArD, May 31 - June 2, 2016, Murighiol, Tulcea, Romania, Book of abstracts p. 61-62.	Rosu Crăița Maria, Efrose Rodica, Mihai Cosmin, Gherghel Daniela, Vochita Gabriela	2016	0
47	A framework for the ecological rehabilitation of degraded soilscapes in Eastern Romania / Geophysical Research Abstracts - EGU General Assembly, Vienna, April 17-22, 2016, Vol. 18, EGU2016-17027, Book of abstracts, p. 18-22	G. Birescu, G. Lo Papa și C. Dazzi	2016	0
48	Interactions of Roundup pesticide upon some physiological processes in rye seedlings / Faculty of Biology Annual Scientific Meeting, 20-22 of October, Iasi, Romania, FBASM 2016 Book of abstracts, p. 44.	Vochita G., Mihai C.-T., Iurea D., Rotinberg P., Gherghel D.	2016	0
49	Biodegradation and detoxification of Basic Blue 41 by Pichia kudriavzevii isolated from textile dye effluent- 9th International Conference on Environmental Engineering and Management – ICEEM09” – Circular Economy and Environmental Sustainability, 6 - 9 sept. 2017, Bologna, Italy, Book of abstracts, pg.57-58	Crăița Maria Roșu, Mihaela Avădanei, Daniela Gherghel, Cosmin Mihai, Marius Mihășan, Gabriela Vochița	2017	0
50	Polyphasic taxonomy of rhizobia associated with Trifolium fragiferum plants-/ 68th Hellenic Society for Biochemistry and Molecular Biology	Andrei Stefan, Craita M. Rosu, Catalina Stedel, Nikolaos E. Labrou, Emmanouil Flemetakis, Rodica C. Efrose	2017	0

	(HSBMB) Conference, 10-12 November 2017, Evgenides Foundation, Athens, Greece, Book of abstracts, nr.50			
51	From a green perspective: management pressures on forest ecosystems from Danube Delta Biosphere Reserve linked with soil mesofauna dynamics and foliar gas exchange parameters /The 15th International Conference on Environmental Science and Technology, Rhodes, Greece, 31 august - 2 septembrie 2017, Proceedings of the 15th International Conference on Environmental Science and Technology, ISSN 1106-5516, ISBN 978-960-7475-53-4	Călugăr A, Ivan O., Acatrinei L, Huțanu M	2017	0
52	Functional diversity and ecosystem resilience in some forests "Natura 2000" sites in Northeastern Romania/ The 15th International Conference on Environmental Science and Technology, Rhodes, Greece, 31 august - 2 septembrie 2017, Proceedings of the 15th International Conference on Environmental Science and Technology, ISSN 1106-5516, ISBN 978-960-7475-53-4	Acatrinei L, Huțanu M., Ivan O., Călugăr A	2017	0
53	Biogeographical distribution and ecological demands of mite species from genus Veigaia (Mesostigmata: Veigaiidae), Romania/ Biogeography of the Carpathians, Ecological and evolutionary facets of biodiversity - the second Interdisciplinary Symposium, 28-30 septembrie 2017, Cluj-Napoca, Romania, Studia Universitatis Babeș-Bolyai, Biologia LXII, Sp. Iss., Book of abstracts: 162-163	Manu Minodora, Onete Marilena, Călugăr Adina. Badiu Denisa Lavinia	2017	0
54	An overview of fauna and community structure of oribatid mites (Acari, Sarcoptiformes, Oribatida) in the main ecosystem types from the Central Moldavian Plateau (Romania). /International scientific congress Agriculture and food engineering, USAMV Iasi., Book of abstracts, 58.	Ivan Otilia	2017	0
55	Enzymatic activity of anthropogenic proto-organic soils in soilless farming/ European Geoscience Union General Assembly 2017, 23-28 April 2017Vienna, Austria, Geophysical Research Abstracts. Vol. 19, EGU2017-9081, 2017	Geanina Birescu, Carmelo Dazzi, Vito Armando Laudicina and Giuseppe Lo Papa	2017	0

56	Thymus alternans Klokov: new data regarding the structure of vegetative organs and chemical composition of essential oils/Sesiunea de comunicari stiintifice” Ecologia si protectia ecosistemelor”, Ediția a XII-a, Vol. Rezumate, BACAU, 2017	Irina Boz, Ioan Burzo, Corneliu Tanase	2017	0
57	The antimicrobial activity of essential oils of Thymus dacicus collected at three different phenophases/ 3 <sup>rd</sup> International Conference on Natural Products Utilization: from Plant to Pharmacy Shelf (ICNPU-2017), 18-21 October 2017, Book of abstracts, Bansko, Bulgaria	Irina Boz, Alexandra Filip, Simona Dunca	2017	0
58	Cytotoxicity of iron oxide nanoparticles in mammalian cells premiul I/ Congresul Național de Toxicologie, ediția a II-a“Siguranța xenobioticelor și sănătatea omului, provocări actuale”3-4 noiembrie 2017, Book of abstracts, București, p19.	Vochița G., Mihai C., Pușcașu E., Gherghel D., Creangă D.	2017	0
59	DNA damages in V-79 cell line induced by photon beam irradiation/ Al 9-lea Congres Național cu participare internațională și a 35-a Sesiune Științifică Anuală a Societății Române de Biologie celulară, 7-11 iunie 2017,Vol. rezumate, p.95.	Gherghel D., Koshlan I., Opreșan M., Rotinberg P., Mihai C.-T., Vochița G.	2017	0
60	Assessment of photons' genotoxicity in lung fibroblasts by comet assay Al 9-lea Congres Național cu participare internațională și a 35-a Sesiune Științifică Anuală a Societății Române de Biologie celulară, 7-11 iunie Iași, Volum rezumate, 2017 , pg.94.	Vochița G., Boreyko A., Opreșan M., Rotinberg P., Mihai C.-T., Gherghel D.	2017	0
61	Impact assessment of a polyphenolic black grape extract on DNA integrity in normal and cancerous cells - Al 9-lea Congres Național cu participare internațională și a 35-a Sesiune Științifică Anuală a Societății Române de Biologie celulară, 7-11 iunie 2017, Vol. rezumate pg.102.	Mihai C.-T., Vochița G., Rotinberg P., Vasile A., Filimon R., Pașa R., Gherghel D.	2017	0
62	Chemistry and bioactivity of essential oils isolated from five moldavian thymus species and cultivars / 3 <sup>rd</sup> International Conference on Natural Products Utilization: from Plant to Pharmacy Shelf (ICNPU-2017), 18-21 October 2017, Bansko, Bulgaria , Book of abstracts , p152.	Aprotosoiaie A C., Miron A., Ciocarlan N., Brebu M., Rosu C., Trifan A., Vochita G., Gherghel D., Nita A., Irina Iuliana Costache I.I., Mihai C.T.	2017	0
63	Study on the influence of some natural physiological active compounds on the tomato crop from polytunnels/ The International Scientific Congress “Horticulture-Science, Quality, Diversity	Iurea D., Munteanu N., Mangalagiu I., Stoleru V.,	2017	0

	and Harmony”, 19-20 oct. 2017, USAMV Iasi, Vol. rezumate p. p.32-33			
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64	Biological and chemical study of Lavandula sp. varieties cultivated in Dobrogea Plateau, 12th edition of the National Symposium with International Participation „MEDICINAL PLANTS – PRESENT AND PERSPECTIVES”, Book of Abstracts, p. 46-47, ISSN 1223-6578	Daniela Lupu, Radu Necula, Georgiana Gavril, Ruxandra Cretu, Valentin Grigoras, Elvira Gille	2016	
65	The Evaluation of Some Natural Populations of Prunus spinosa L. and Lycium barbarum L. from Dobrogea, Romania, 12 <sup>th</sup> edition of the National Symposium with International Participation „MEDICINAL PLANTS – PRESENT AND PERSPECTIVES”, Book of Abstracts, p. 54-55, ISSN 1223-6578	Elvira Gille, Ruxandra Cretu, Valentin Grigoras, Radu Necula, Manuela Elisabeta Sidoroff, Georgiana Gavril	2016	
66	Comparative study of essential oils of Heracleum species, 12 <sup>th</sup> edition of the National Symposium with International Participation „MEDICINAL PLANTS – PRESENT AND PERSPECTIVES”, Book of Abstracts, p. 48-49, ISSN 1223-6578	Dana Bobit, Calin Garlea, Andrei Paduraru, Madalina Popa, Radu Necula, Oana Cioanca	2016	
67	Polyphenolic compounds production in shoot cultures of two Romanian Hypericum species, 12th edition of the National Symposium with International Participation „MEDICINAL PLANTS – PRESENT AND PERSPECTIVES”, Book of Abstracts, p. 58-59, ISSN 1223-6578	Ana Coste, Elvira Gille, Valentin Grigoras, Radu Necula, Adela Halmagyi, Gheorghe Coldea, Constantin Deliu	2016	
68	Lavandula hybrida: assessment of the essential oil properties, 12th edition of the National Symposium with International Participation „MEDICINAL PLANTS – PRESENT AND PERSPECTIVES”, Book of Abstracts, p. 134-135, ISSN 1223-6578	Silvia Robu, Monica Hancianu, Dana Tutunaru, Adrian Spac, Cristina Tuchilus, Adriana Trifan, Ursula Stanescu, Elvira Gille, Oana Cioanca	2016	
69	Preliminary phytochemical study of Prunus spinosa L. buds harvested from natural populations of Dobrogea area, 12th edition of the National Symposium with International Participation „MEDICINAL PLANTS – PRESENT AND PERSPECTIVES”, Book of Abstracts, p. 152-153, ISSN 1223-6578	Georgiana Gavril, Valentin Grigoras, Ruxandra Cretu, Radu Necula, Elvira Gille, Ursula Stanescu	2016	
70	Some effects induced by the treatment with a hydroalcoholic extract of Crataegus monogyna Jacq. in Triticum	Ruxandra Cretu, Iuliana Csilla Bara, Georgiana Gavril, Gogu Ghiorghita, Gabriela Vochita	2016	

	aestivum L., 12th edition of the National Symposium with International Participation „MEDICINAL PLANTS – PRESENT AND PERSPECTIVES”, Book of Abstracts, p. 154-155, ISSN 1223-6578			
71	Satureja montana L.: Ecological Culture and Essential Oil Quality Assessment, 12th edition of the National Symposium with International Participation „MEDICINAL PLANTS – PRESENT AND PERSPECTIVES”, Book of Abstracts, p. 156-157, ISSN 1223-6578	Dana Bobit, Calin Garlea, Ruxandra Cretu, Elena Larisa Tomescu, Radu Necula	2016	
72	Evaluation of some volatile oil components from formulations of Anca pharmacy, 12th edition of the National Symposium with International Participation „MEDICINAL PLANTS – PRESENT AND PERSPECTIVES”, Book of Abstracts, p. 160-161, ISSN 1223-6578	Anca Boldea, Radu Necula	2016	
73	Total polyphenols, flavonoids and antioxidant activity of Romanian propolis samples, 12th edition of the National Symposium with International Participation „MEDICINAL PLANTS – PRESENT AND PERSPECTIVES”, Book of Abstracts, p. 92-93, ISSN 1223-6578	Florentina Gatea, Eugenia Dumitra Teodor, Gabriel Lucian Radu, Elvira Gille	2016	
74	Antioxidant properties of extracts from Crataegus pentagyna assesing by flow cytometry for potential applications in blood stotrage, 12th edition of the National Symposium with International Participation „MEDICINAL PLANTS – PRESENT AND PERSPECTIVES”, Book of Abstracts, p. 102-103, ISSN 1223-6578	Iris Tusa, Andreea Toader, Valentin Grigoraș, Elvira Gille, Daniela Bratosin	2016	
75	Phytochemical variability of some medicinal species related to conditions of conservation of vegetal material, IUBMB- Symposium on Modern Biotechnologies in Sustainable Development of the Danube Delta – STANDArD, Book of Abstracts, p. 53-54.	Elvira Gille, Dana Bobit, R. Necula, Georgiana Gavril, Ruxandra Crețu, V. Grigoraș, Monica Hăncianu	2016	
76	Natural populations of Rosa canina L.: phytochemical evaluation, 9th Conference on Medicinal and Aromatic Plants of Southeast European Countries (9th CMAPSEEC), Book of Abstracts, PP33	Ruxandra Mihaela Cretu, Georgiana Luminita Gavril, Adrian Oprea, Radu Necula, Valentin Grigoras, Carmen Elena Tebrencu, Elvira Gille	2016	
77	Phytochemical evaluation of natural populations of Crataegus harvested from the Danube Delta areas, 9th Conference on Medicinal and Aromatic Plants of Southeast European Countries (9th	Georgiana Luminita Gavril, Ruxandra Mihaela Cretu, Radu Necula, Valentin Grigoras, Irina Boz, Elvira Gille	2016	



	CMAPSEEC), Book of Abstracts, SL6.			
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78	The evaluation of the biosynthetic potential of <i>Hippophaë rhamnoides</i> species from ecological culture, 9th Conference on Medicinal and Aromatic Plants of Southeast European Countries (9th CMAPSEEC), Book of Abstracts, PP31.	Elvira Gille, Ruxandra Mihaela Cretu, Georgiana Luminita Gavril, Radu Necula, Valentin Grigoras, Manuela Elisabeta Sidoroff	2016	
79	Capitalization of the natural potential of medicinal and aromatic plants in the Danube Delta area related to the main characteristics of soils, 9th Conference on Medicinal and Aromatic Plants of Southeast European Countries (9th CMAPSEEC), Book of Abstracts, PP32.	Valentin Grigoras, Elvira Gille, Ruxandra Mihaela Cretu, Georgiana Luminita Gavril, Necula Radu	2016	
80	Evaluation of the releasing capacity of some anti-pathogenic compounds from a complex vegetal extract, 9th Conference on Medicinal and Aromatic Plants of Southeast European Countries (9th CMAPSEEC), Book of Abstracts, PP157.	Elvira Gille, Carmen Elena Tebrencu, Ruxandra Mihaela Cretu, Georgiana Luminita Gavril, Radu Necula, Valentin Grigoras	2016	
81	Phytobiological Testing of Some Bioactive Complexes With Anti-pathogenic Potential, 2nd International Young Scientists Symposium Plants in Pharmacy & Nutrition, Book of Abstracts, p. 69, ISBN 978-83-7055-591-7	Ruxandra M. Cretu, Carmen E. Tebrencu, Valentin Grigoras, Georgiana L. Gavril, Elvira Gille	2016	
82	The Study of Essential Oil of <i>Ajuga Genevensis</i> From Natural Populations From Romania, 2nd International Young Scientists Symposium Plants in Pharmacy & Nutrition, Book of Abstracts, p. 79, ISBN 978-83-7055-591-7	Georgiana Gavril, Andrei Paduraru, Elvira Gille, Radu Necula, Monica Hancianu	2016	
83	Evaluation of Biosynthetic Capacity for <i>Aralia Mandshurica</i> Cultivated in Romania, 2nd International Young Scientists Symposium Plants in Pharmacy & Nutrition, Book of Abstracts, p. 83, ISBN 978-83-7055-591-7	Elvira Gille, Georgiana Gavril, Valentin Grigoras, Ruxandra Cretu, Anca Miron	2016	
84	Essential Oils in Natural Populations of <i>Matricaria Recutita</i> From Dobrogea (Romania), 2nd International Young Scientists Symposium Plants in Pharmacy & Nutrition, Book of Abstracts, p. 127, ISBN 978-83-7055-591-7	Radu Necula, Georgiana L. Gavril, Valentin Grigoras, Ruxandra M. Cretu, Elvira Gille	2016	
85	Evaluation of some bioactive compounds by phytobiological analysis	Gille E., Gavril G., Necula R., Grigoras V., Cretu R.	2016	

	of vegetal species from Danube Delta areas, with potential uses as food supplements, Faculty of Biology Annual Scientific Meeting – FBASM 2016, Book of Abstracts, p.31			
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86	The phytochemical investigations of <i>Ajuga reptans</i> and <i>Ajuga genevensis</i> starting from ethno-pharmaceutical data, Trends in Natural Product Research, PSE Young Scientists' Meeting Lille, Natural Products in Health, Agro-Food and Cosmetics, Book of Abstracts, p. 94, ISBN – 13 978-0-9565472-6-2	Valentin Grigoras, Manuela Elisabeta Sidoroff, Radu Necula, Irina Boz, Elvira Gille, Georgiana Luminita Gavril	2017	
87	Nutraceuticals based on volatiles as metabolis enhancers, The phytochemical investigations of <i>Ajuga reptans</i> and <i>Ajuga genevensis</i> starting from ethno-pharmaceutical data, Trends in Natural Product Research, PSE Young Scientists' Meeting Lille, Natural Products in Health, Agro-Food and Cosmetics, Book of Abstracts, p. 141, ISBN – 13 978-0-9565472-6-2	Anca Boldea, Elvira Gille, Radu Necula, Ruxandra Mihaela Cretu, Georgiana Luminita Gavril, Monica Hancianu	2017	
88	Biological implications of different secondary metabolites found in ornamental Asteraceae, Trends in Natural Product Research, PSE Young Scientists' Meeting Lille, Natural Products in Health, Agro-Food and Cosmetics, Book of Abstracts, p. 142, ISBN – 13 978-0-9565472-6-2	Ana Flavia Burlec, Oana Cioanca, Elvira Gille, Monica Hancianu	2017	
89	Comparative evaluation of six essential oils of <i>Matricaria recutita</i> L. from Romania, International PSE Symposium, New and Old Phytochemicals: Their Role in Ecology, Veterinary and Welfare, Book of Abstracts, p.47, ISBN 978-88-942744	R. Necula, G.L. Gavril, R. Cretu, V. Grigoras, D. Bobit, E. Gille	2017	
90	In vivo antioxidant properties of mushroom extracts in experimentally induced diabetes, International PSE Symposium, New and Old Phytochemicals: Their Role in Ecology, Veterinary and Welfare, Book of Abstracts, p. 73, ISBN 978-88-942744	Cornelia Mircea, Elvira Gille, Oana Cioancă, Cristina Iancu, Georgiana Luminita Gavril, Monica Hăncianu	2017	
91	Alkane content in the cuticle of tall fescue ( <i>Festuca arundinacea</i> ) plantlets exposed to metal ions, 3rd International Conference on Natural Products Utilization: From Plants to Pharmacy Shelf, Book of Abstracts, p. 94, ISBN 978-619-7240-48-1	Radu Necula, Elvira Gille, Alin-Constantin Dirtu, Vasile-Robert Gradinaru, Brandusa-Alina Petre, Gabi Drochioiu	2017	
92	Phytochemical evaluation of some natural populations of <i>Erodium cicutarium</i> from Romania, 3rd	Ruxandra M. Cretu, Elvira Gille, Radu Necula, Valentin A. Grigoras, Dana Bobit, Georgiana L. Gavril	2017	

	International Conference on Natural Products Utilization: From Plants to Pharmacy Shelf, Book of Abstracts, p. 154, ISBN 978-619-7240-48-1			
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93	HPTLC investigation of condensed tannins in branches of <i>Rosa canina</i> L., <i>Hippophae rhamnoides</i> L. and <i>Prunus spinosa</i> L. species, 3rd International Conference on Natural Products Utilization: From Plants to Pharmacy Shelf, Book of Abstracts, p. 155, ISBN 978-619-7240-48-1	Oana T. Ciuperca, Ruxandra M. Cretu, Carmen E. Tebrencu, Elena Ionescu, Elena Iacob, Irina Volf	2017	
94	Benefit/risk assessment of estragol, fenchone and t-anethole content in fennel medicinal tea from Romania, 3rd International Conference on Natural Products Utilization: From Plants to Pharmacy Shelf, Book of Abstracts, p. 186, ISBN 978-619-7240-48-1	Oana Cioanca, Elvira Gille, Cornelia Mircea, Adrian Spac, Mihai Bajan, Ursula Stanescu, Monica Hancianu	2017	

##### 5. Lucrări publicate în alte publicații relevante:

Nr.	Titlul articolului	Numele Jurnalului, Volumul, Pagina nr.	Nume Autor	Anul publicării
1.	Antioxidant properties of extracts from <i>Crataegus pentagyna</i> assessed by flow cytometry: potential applications in blood storage	Scientific annals of Al.I. Cuza University of Iasi, (New series), Section Iia, Vegetal Biology, Tome LXII, Issue 2 (Revista BDI)	Tușa I, Grigoraș V, Gille E, Bratosin D	2016
2.	Influence of acidic extracellular pH from preservative medium on intracellular pH during storage in salmon additive solution	Studia Universitatis "Vasile Goldiș", Seria Științele Vieții, 26, 4, p 385-393 ISSN: 1584-2363 (Revista BDI)	Tușa I, Rugină A, Stan L, Toader A, Calu L, Enache M, Iordăchel C, Bratosin D.	2016
3.	Comparative evaluation of storage lesions induced by anticoagulants medium on blood for transfusion	Studia Universitatis "Vasile Goldiș", Seria Științele Vieții, 26, 4, p 395-401 ISSN: 1584-2363 (Revista BDI)	Tușa I, Toader A, Calu L, Rugină A, Stan L, Enache M, Iordăchel C, Bratosin D.	2016
4	Riboflavin cross-linking of collagen porous scaffolds for periodontal regeneration	Studia Universitatis "Vasile Goldiș", Seria Științele Vieții, 26(2), 243-249	Seciu AM, Gaspar A, Stefan LM, Moldovan L, Craciunescu O, Zarnescu O	2016
5	Liposomes as delivery system of chondroitin sulfate to the arthritic joint by intra-articular	Austin Arthritis, 1(3), 1011-1016	Trif M, Craciunescu O	2016

	administration			
6	The effect of divalent salt in chondroitin sulfate solutions	AIP Conference Proceedings, <b>1722</b> , 220004, doi: 10.1063/1.4944236	Aranghel D, Badita C, Radulescu A, Moldovan L, Craciunescu O, Balasoiu M	2016
7	Conceptual framework for bioeconomic potential indicators in Danube Delta	Studia Universitatis "Vasile Goldiș", Seria Științele Vieții Vol. 26 Issue 2, 2016, pp.235-242	Butu M., Jilborean R., Ițcuș C., Pasachiv M., Tusa I., Amarioarei A	2016
8	Two decades of research collaboration: a keyword Scopus evaluation	Romanian Statistical Review, No. 4, 49-66	Amărioarei, A., Păun, M.	2016
9	Effect of Lingonberry Extracts on Blood Pressure and Myocardium in Paracetamol Intoxication	Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Veterinary Medicine 74 (1)	Roman, I., Fărcaș, A., Toma, V.	2017
10	Assessment of the Romanian medicinal plant research - from European to national level	Analele științifice ale Universității Al. I. Cuza Iași, Tomul 62, fascicula 2, Biologie Vegetală	Amărioarei, A., Jilborean, R., Tușa, I., Ițcuș, C., Păun, M.	2017
11	New records for the high - mountain flora of the Făgăraș Mts. (Southern Carpathians) with discussion on ecological preferences and distribution of studied taxa in the Carpathians	Contribuții Botanice LI: 77-153	Bartók, A., Hurdu, B.-I., Szatmari, P.-M., Ronikier, M., Pușcaș, M., Novikoff, A., Bartha, L., Vonica, G.	2016
12	Detection of barcode markers able to differentiate the Carpathian endemic taxon <i>Pulmonaria filarzskyana</i> Jav. from <i>Pulmonaria rubra</i> Schott	Contribuții Botanice LI: 7-16	Șuteu D, Băcila I, Coldea G.	2016
13	Rediscovery of <i>Gymnadenia frivaldii</i> Hampe ex Griseb. at its northern distribution limit (Eastern Carpathians, Romania)	Kitaibelia 21(2): 213-2203.	Bartók A., Csörgő A.-M., Ödön B., Hurdu B.-I., Jakab G.	2016
14	Total polyphenols, flavonoids and antioxidant activity of Romanian propolis samples	Analele Univ. Al. I Cuza Iași-seria Biologie vegetala, p. 92-93	Gatea F, Teodor E. D., G-L Radu, E. Gille	2016
15	Soil microarthropods and their bioindicator value regarding the bio-edaphic conditions in forest ecosystems of Danube Delta	Studia Universitatis "Vasile Goldiș" Arad, Seria Științele Vieții, vol. 26 (2):215-219	Calugar Adina, Ivan Otilia	2016
16	Leaf ecophysiological traits used as a tools for	Analele Științifice ale Universității „Al. I. Cuza” Iași, s.	Ligia Acatrinei	2016

	assessing forest ecosystems disturbance in Danube Delta	II a. Biologie vegetală, 62, 2: 61-68		
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17	Valorization of wastes from forestry industry in the culture of sage (Salvia officinalis L.)	Studia Universitatis “Vasile Goldiș”, Seria Științele Vieții Vol. 27, issue 1:27-31	Tanase Corneliu, Boz Irina, Coșarcă Sanda, Roșca Ioana, Tilinca Mariana, Oroian Silvia	2017
18	Preliminary aspects on the phytotoxicity of some Thymus spp. aqueous extracts	Analele Științifice ale Universității „Alexandru Ioan Cuza”, Secțiunea Genetică și Biologie Moleculară, TOM XVIII, Fascicula 3:111-121	Andrei Lobiuc, Irina Boz, Anisoara Stratu, Maria-Magdalena Zamfirache	2017
	The effect of harvesting time on essential oils composition of Thymus pannonicus L.	Analele Științifice ale Universității „Alexandru Ioan Cuza”, Secțiunea Genetică și Biologie Moleculară TOM XVIII, Fascicula 2:59-64	Irina Boz, Ioan Burzo, Corneliu Tanase	2017
19	Ichneumonids (Hymenoptera: Ichneumonidae) from the „ Danube Delta” Biosphere Reserve, Tulcea county (Romania)	Romanian Journal of Biology - Zoology, Vol. 61(1)	Camil Ștefan Lungu-Constantineanu, Raoul Constantineanu	2017 (sub tipar)
20	The Catalogue of Ichneumon flies from „ Danube Delta” Biosphere Reserve, Tulcea county (Romania) and their hosts	Ed. Pim Iași	Camil Ștefan Lungu-Constantineanu	2017 (sub tipar)
21	Contributions to the phytochemical study of the polyphenolic fractions separated from Thymus pulegioides L. natural populations harvested in northern Romania	Analele Științifice ale Universității „Alexandru Ioan Cuza”, Secțiunea Genetică și Biologie Moleculară, ISSN 2248-3276, vol. 17(4), p. 169-174	Radu Necula, Elvira Gille, Valentin Grigoraș, Irina Boz, Ursula Stănescu	2016
22	Essential Oils and Their Components as Modulators of Antibiotic Activity against Gram-Negative Bacteria	Medicines, 3(19): 1-34, ISSN 2305-6320, doi:10.3390/medicines3030019	Petruta Aelenei, Anca Miron, Adriana Trifan, Alexandra Bujor, Elvira Gille, Ana Clara Aprotosoaic	2016
23	Antioxidant activity of essential oil from Carum carvi L. cultivated in north-eastern Romania	Revista medico-chirurgicala a societatii de medici si naturalisti Iasi, ISSN-L: 2286-2560 ISSN online: 2286-2560 ISSN print: 0048-7848, vol. 120(3), p. 732-736	Trifan A, Aprotosoaic AC, Cioanca O, Hancianu M, Jitareanu A, Gille E, Miron A.	2016

24	The Evaluation of Some Natural Populations of <i>Prunus spinosa</i> L. and <i>Lycium barbarum</i> L. from Dobrogea, Romania,	Analele Științifice ale Universității „Alexandru Ioan Cuza” din Iași, Serie Nouă, Secțiunea II-a. Biologie Vegetală, volumul 62 (1) 2016, „MEDICINAL PLANTS – PRESENT AND PERSPECTIVES”, Book of Abstracts, p. 54-55, ISSN 1223-6578	Elvira Gille, Ruxandra Cretu, Valentin Grigoras, Radu Necula, Manuela Elisabeta Sidoroff, Georgiana Gavril	2016
25	Biological and chemical study of <i>Lavandula</i> sp. varieties cultivated in Dobrogea Plateau	Analele Științifice ale Universității „Alexandru Ioan Cuza” din Iași, Serie Nouă, Secțiunea II-a. Biologie Vegetală, volumul 62 (1) 2016, „MEDICINAL PLANTS – PRESENT AND PERSPECTIVES”, Book of Abstracts, p. 46-47, ISSN 1223-6578	Daniela Lupu, Radu Necula, Georgiana Gavril, Ruxandra Cretu, Valentin Grigoras, Elvira Gille	2016
26	Comparative study of essential oils of <i>Heracleum</i> species	Analele Științifice ale Universității „Alexandru Ioan Cuza” din Iași, Serie Nouă, Secțiunea II-a. Biologie Vegetală, volumul 62 (1) 2016, „MEDICINAL PLANTS – PRESENT AND PERSPECTIVES”, Book of Abstracts, p. 48-49, ISSN 1223-6578	Dana Bobit, Calin Garlea, Andrei Paduraru, Madalina Popa, Radu Necula, Oana Cioanca	2016
27	Polyphenolic compounds production in shoot cultures of two Romanian <i>Hypericum</i> species	Analele Științifice ale Universității „Alexandru Ioan Cuza” din Iași, Serie Nouă, Secțiunea II-a. Biologie Vegetală, volumul 62 (1) 2016, „MEDICINAL PLANTS – PRESENT AND PERSPECTIVES”, Book of Abstracts, p. 58-59, ISSN 1223-6578	Ana Coste, Elvira Gille, Valentin Grigoras, Radu Necula, Adela Halmagyi, Gheorghe Coldea, Constantin Deliu	2016
28	<i>Lavandula hybrida</i> : assessment of the essential oil properties	Analele Științifice ale Universității „Alexandru Ioan Cuza” din Iași, Serie Nouă, Secțiunea II-a. Biologie Vegetală, volumul 62 (1) 2016, „MEDICINAL PLANTS – PRESENT AND PERSPECTIVES”, Book of Abstracts, p. 134-135, ISSN 1223-6578	Silvia Robu, Monica Hancianu, Dana Tutunaru, Adrian Spac, Cristina Tuchilus, Adriana Trifan, Ursula Stanescu, Elvira Gille, Oana Cioanca	2016

29	Preliminary phytochemical study of <i>Prunus spinosa</i> L. buds harvested from natural populations of Dobrogea area	Analele Științifice ale Universității „Alexandru Ioan Cuza” din Iași, Serie Nouă, Secțiunea II-a. Biologie Vegetală, volumul 62 (1) 2016, „MEDICINAL PLANTS – PRESENT AND PERSPECTIVES”, Book of Abstracts, p. 152-153 , ISSN 1223-6578	Georgiana Gavril, Valentin Grigoras, Ruxandra Cretu, Radu Necula, Elvira Gille, Ursula Stanescu	2016
30	Some effects induced by the treatment with a hydroalcoholic extract of <i>Crataegus monogyna</i> Jacq. in <i>Triticum aestivum</i> L.	Analele Științifice ale Universității „Alexandru Ioan Cuza” din Iași, Serie Nouă, Secțiunea II-a. Biologie Vegetală, volumul 62 (1) 2016, „MEDICINAL PLANTS – PRESENT AND PERSPECTIVES”, Book of Abstracts, p. 154-155, ISSN 1223-6578	Ruxandra Cretu, Iuliana Csilla Bara, Georgiana Gavril, Gogu Ghiorghita, Gabriela Vochita	2016
31	<i>Satureja montana</i> L.: Ecological Culture and Essential Oil Quality Assessment	Analele Științifice ale Universității „Alexandru Ioan Cuza” din Iași, Serie Nouă, Secțiunea II-a. Biologie Vegetală, volumul 62 (1) 2016, „MEDICINAL PLANTS – PRESENT AND PERSPECTIVES”, Book of Abstracts, p. 156-157, ISSN 1223-6578	Dana Bobit, Calin Garlea, Ruxandra Cretu, Elena Larisa Tomescu, Radu Necula	2016
32	Evaluation of some volatile oil components from formulations of Anca pharmacy	Analele Științifice ale Universității „Alexandru Ioan Cuza” din Iași, Serie Nouă, Secțiunea II-a. Biologie Vegetală, volumul 62 (1) 2016, „MEDICINAL PLANTS – PRESENT AND PERSPECTIVES”, Book of Abstracts, p. 160-161 , ISSN 1223-6578	Anca Boldea, Radu Necula	2016
33	Total polyphenols, flavonoids and antioxidant activity of Romanian propolis samples	Analele Științifice ale Universității „Alexandru Ioan Cuza” din Iași, Serie Nouă, Secțiunea II-a. Biologie Vegetală, volumul 62 (1) 2016, „MEDICINAL PLANTS – PRESENT AND PERSPECTIVES”, Book of Abstracts, p. 92-93 , ISSN 1223-6578	Florentina Gatea, Eugenia Dumitra Teodor, Gabriel Lucian Radu, Elvira Gille	2016

34	Antioxidant properties of extracts from <i>Crataegus pentagyna</i> asseseing by flow cytometry for potential applications in blood stotrage	Analele Științifice ale Universității „Alexandru Ioan Cuza” din Iași, Serie Nouă, Secțiunea II-a. Biologie Vegetală, volumul 62 (1) 2016, „MEDICINAL PLANTS – PRESENT AND PERSPECTIVES”, Book of Abstracts, p. 102-103, ISSN 1223-6578	Iris Tusa, Andreea Toader, Valentin Grigoraș, Elvira Gille, Daniela Bratosin	2016
35	PhytoAuthent: Molecular authentication of complex herbal food supplements for safety and efficacy	Research Ideas and Outcomes 3: e21710	Ichim M, Crisan G, Tebrencu C, de Boer H	2017
36	Studiul complex al uleiului volatil din specia <i>Perovschia atriplicifolia</i> Benth	Studia Universitatis Moldaviae, Seria “Științe reale și ale naturii”, nr. 1(101), p.51-56	Maricica Colțun, Elvira Gille, Radu Necula, Valentin Grigoraș	2017

## 6. Brevete de invenție depuse la OSIM

	Nr.propunerii de brevete	Anul înregistrării	Autorul/Autorii	Titlul propunerii de brevet
1	A/00510	2016	Tușa I., Toader A., Bratosin D.	Metodă de obținere a unui lizat de plachete umane din unități plachetare expirate utilizabil ca alternative la serul fetal bovin (SFB) sau ca supliment de creștere pentru mediile de culturi celulare
2	A/000150	2017	Rugină A., Toader A., Stan L., Calu L., Tușa I., Iordșchel C., Bratosin D.	Biomaterial pe bază de colagen și lizat din unități de plachete umane expirate utilizabil ca suport (scaffold) pentru culturi celulare și inginerie tisulară cu aplicații biomedicale
3	A/00641	2017	Dobre Ana-Maria, Rugina Alexandrina Maria, Ionita Larisa-Nicoleta, Toader Andreea Cătălina Lavinia, Stan Ligia Florentina, Iordachel Cătălin, Bratosin Daniela	Biomaterial cu rol hemostatic cu aplicații medicale
4	A/00785	2016	Elena Iulia Oprita, Alexandra Gaspar Pintiliescu, Lucia Moldovan, Oana Craciunescu, Rodica Tatia, Agnes Toma	Pansamente de colagen imbogatite cu polifenoli și polizaharide cu efecte regenerative în vindecarea ranilor
5	A/00786	2016	Elena Iulia Oprita, Oana Craciunescu, Lucia Moldovan	Hidrogeluri bistratificate pe baza de componente ale matricei extracelulare și polizaharide folosite în vindecarea osteocondrala