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Professor, habilitated doctor, chemist, Chemistry & Biochemistry Discipline, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, 300645, Calea Aradului 119, Timis, Romania.

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<https://publons.com/author/313852/monica-butnariu#profile>;

<https://www.brainmap.ro/profile/monica-butnariu>.

SPECIAL TRAINING EXPERIENCE

Sep, **2006**–training course carried out by the *National Institute of Research (INRA)*, Centre de Recherche Toulouse, **Toulouse FRANCE**.

March **2007**–*Advanced HACCP Course–Auditing and maintaining a functional HACCP system*, United States Department of Agriculture.

May, **2007**–*Persistent pollution Course: Past, Present and Future–Reconstruction for the assessment of state and changes in the meteo–marine environment*, GKSS Summer School, Institute of Coastal Research Centre; **Luneburg, GERMANY**.

July **2007**, *3rd Summer School of Environmental Chemistry and Ecotoxicology* Course 2007, organized de RECETOX, **Brno, CZECH**.

March **2008**, *Course of Validation of the laboratory chemical methods*, A/461/2008, **ASRO–Romania**;

July **2008**, *REP–LECOTOX 1st Ecotoxicogenomics: the challenge of integrating genomics/ proteomics/ metabolomics into aquatic, terrestrial ecotoxicology*, **Novi Sad, SERBIA**.

September, **2011**, Keynote Speakers invited 19th International Conference on Environmental Indicators, Technion (Israel Institute of Technology), **Haifa, ISRAEL**.

RESEARCH INTERESTS (Expertise & keywords):

Material chemistry: Biomaterials, Nanotechnology, Biological and materials science, Material science, Bioresources for a sustainable bioeconomy

Agricultural chemistry: Agrochemistry, Biotechnology, Agro-Food, Agro-Environment, Chemical pollutants

Applied chemistry: Instrumental analysis, Chemical plants and processes, Biocides, Biochemistry, Agrofood waste biovalorisation

Other expertise: Chemistry and Analytical Biochemistry, Applied Biotechnology, Environmental protection, Ethics Expert of European Commission Research Executive Agency (EX2012D125018) <https://www.brainmap.ro> (*We connect your expertise to Romania, for your voice to matter!*)–UEFISCDI ID (UEF-ID):U-1700-038R-9385)

EMPLOYMENT

Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Romania. 300645, Calea Aradului 119, Timis, Romania.

1998 to present | Preparatory, Assistant Professor, Lecturer, Associate Professor, and Full Professor, doctor habilitat, chemist (Chemistry & Biochemistry Discipline).

TEACHING EXPERIENCES: in Romanian

Conducting lecture and practical Classes in both undergraduate and Post–Graduate classes on Chemistry and Biochemistry, offered by Banat's University of Agricultural Sciences and Veterinary Medicine "*King Michael I of Romania*" from Timisoara, Romania. 300645, Calea Aradului 119, Timis, Romania.

Conducted lectures and practical classes for graduate and under graduate students (Toxicology, Water and Food Chemistry) offered by "Victor Babes" University of Medicine and Pharmacy of Timisoara.

Conducted lectures and practical classes for graduate and under graduate students (Modeling of biochemical mechanisms in forest ecosystems) offered by Banat's University of Agricultural Sciences and Veterinary Medicine "*King Michael I of Romania*" from Timisoara, Romania. 300645, Calea Aradului 119, Timis, Romania.

Conducted lectures and practical classes for graduate and undergraduate students (related disciplines and approaches in chemistry and biochemistry).

EDUCATION (academic positions)**University Cluj-Napoca**

12/07 2013 Habilitation / doctor habilitat, Habilitation thesis Title: "*Identification and quantification of biocompounds in life science and applied biotechnology areas, aimed at sustainable development*" Cluj–Napoca.

"Victor Babes" University of Medicine and Pharmacy of Timisoara | Timisoara, Romania

2011 to 2012 | Postdoctoral Studies

Transylvania" University, Brasov | Brasov, Romania

2010 to 2011 | Postgraduate specialization

Banat's University: Timisoara, Romania

1999 to 2005 | PhD in sciences (analytical biochemistry, biotechnology, agro chemistry–science of chemical compositions and changes involved in the production, protection, and use of crops and livestock), Thesis Title: "*Researches on the heavy metals content in the Banat's soils and the consequences on the environment*".

Polytechnic University Timisoara, Industrial Chemistry and Environmental Engineering Faculty | Timisoara, Romania

1997 to 1999 | Master Magister (Master in Technologies of Non–Pollutant Processes)

West University, Chemistry–Biology–Geography Faculty, Chemistry Specialty | Timisoara, Romania

1991 to 1996 | Chemistry

GRANTS/FUNDING [leader (director) and partner team leader (responsible project)]

PN–II–PT–PCCA–2011–3.2–1008 *New formulas used for control and treatment of oomycetes fungal diseases in horticulture crops.* UEFISCDI (The Executive Agency for Higher Education Research Development and Innovation Funding), Bucharest, Romania | Role in this project: **Partner team leader.**

(http://old.uefiscdi.ro/userfiles/file/PARTENERIATE/Competite_2011/REZULTATE%20FINALE/TIP%202/T2%20-%20D5.pdf).

2012–07 to 2016–12 Contract: [PCCA-106_2012](http://www.dbioro.eu/pcca-106_2012) | (http://www.dbioro.eu/pcca-106_2012).

TAMOP–4.1.1C–12/1/KONV–2012–0012 *Green Economy Cooperation.* (Szeged, Hungary, EU).

2013–04 to 2015–03 | Contract: [OU762–27–61](http://www.huro-cbc.eu/en/project_info/88?month=5&year=2011).

R&D_SZTE–BAÁE. *Environmental–biochemical cooperation for prognosis of natural water and soil pollution in the Hungarian–Romanian cross–border region to shun catastrophe.* (European fund–ERDF).

2009 to 2011 | Contract: [HURO/0801/038](http://www.huro-cbc.eu/en/project_info/88?month=5&year=2011).

(http://www.huro-cbc.eu/en/project_info/88?month=5&year=2011).

CEEX–ET. *Biotechnology for obtaining bio-products resulting from Plant indicators of recovery metals in soil.* UEFISCDI (The Executive Agency for Higher Education Research Development and Innovation Funding), Bucharest, Romania |

2006–09 to 2008–09 | Contract: [5899/18.09.2006](#).

(http://www.cnmp.ro/ceex/comp2_2006/oferta.php?id=17)

CEEX–ET. *Assessment of metal content heavy soils with plants bio indicator and recovery them for therapeutic purposes.* UEFISCDI (The Executive Agency for Higher Education Research Development and Innovation Funding), Bucharest, Romania | (http://www.cnmp.ro/ceex/comp2_oct/oferta.php?id=11).

2006–04 to 2008–04 | Contract: [1466/4/04.2006](#).

Co-Principal Investigators Project (selected):

Impact of functional food enriched with bioactive components antioxidants on quality of life Breast cancer. (2006–2008).

Spleen Phosphates landfill guano that fixates of ammonium and Transition metal-based studio of secondary phosphate soils amended with polyphosphates. (2006–2008).

Study of synergic bioactivity of antioxidant functional foods for reversibility of the metabolic syndrome MET–ANTIOX. (<http://www.cnmp.ro/ceex/comp1/oferta.php?id=543>) (2006–2008).

Impact of multicomponent functional foods in control of obesity and atherosclerosis, Antiatero–Alim. (2006–2008) (http://www.cnmp.ro/ceex/comp1_2006/oferta.php?id=2433).

SELECTED PAPERS in the Science Citation Index (SCI)/ International Scientific Indexing (ISI)

Double Peer Reviewed Journals [[E-7217-2010](#)],

and PubMed Listed [[Publications by Butnariu Monica in PubMed](#)])

- 1) Stoleru, V. Munteanu, N. Stan, T. Ipatioaie, C. Cojocaru, L. **Butnariu, M.** Effects of production system on the content of organic acids in Bio rhubarb (*Rheum rhubarbarum* L.). *Romanian Biotechnological Letters*, (ISSN: 1224–5984). **2018** Vol. , No. x, DOI:[10.26327/RBL2017.98](#). AIS=0.083. **IF(2015): 0.404**.
- 2) Vardanian, A.; Kurzbaum, E.; Farber, Y.; **Butnariu, M.**; Armon, R. Facilitated enumeration of the silicate bacterium *Paenibacillus mucilaginosus* comb. nov. (formerly *Bacillus mucilaginosus*) via tetrazolium chloride incorporation into a double agar-based solid growth medium. *Folia microbiologica* (ISSN: 0015–5632), Publisher Springer, Van Godewijkstraat 30, 3311 GZ Dordrecht, Netherlands, DOI:10.1007/s12223–017–0567–y, Published:2017–Nov–23 (Epub **2017** Nov 23), **IF(2015): 1.521**.
- 3) Lorin, D. Cristina, R.T. Teusdea, V. Mitranescu, E. Muselin, F. **Butnariu, M.** David, G. Dumitrescu, E. Efficiency of four currently used decontamination conditionings in Romania against *Aspergillus* and *Candida* strains, *Journal de Mycologie Médicale/Journal of Medical Mycology* (ISSN: 1156–5233), **2017**, <http://dx.doi.org/10.1016/j.mycmed.2017.04.013>. **IF(2015): 1.269**.
- 4) Grozea, I., Trusca, R., Virteiu, A.M., Stef, R., **Butnariu, M.** Interaction between *Diabrotica virgifera* virgifera and host plants determined by feeding behavior and chemical composition, *Romanian Agricultural Research*, (ISSN: 1222–4227), **2017**, 34, 1–9, First Online: March, 2017. DII 2067–5720 RAR 2017–144, **IF(2015): 0.272**.
- 5) Gabor, A. Davidescu, C.M. Negrea, A. Ciopec, M. Muntean, C. Negrea, P. Ianasi, C. **Butnariu, M.** Magnesium silicate doped with environmentally friendly extractants used for rare earth elements adsorption. *Desalination and Water Treatment* (ISSN: 1944–3994), 63 (2017) v–vii, DOI: 10.5004/dwt.2017.20173, Published: FEB **2017**, Pages: 124–134, **IF(2015): 1.631**. (**Quartile in Category–Q2**).
- 6) Pentea. M. Hulea. C. Stancu. A. **Butnariu. M.** Cristina R.T. Developing the Plastination Laboratory for the Technique S10. *Materiale Plastice* (ISSN: 0025–5289). Volume: 53. Issue: 1. Pp: 150–152. **2016**. AIS=0.065. [2](#) (WoS Core Collection). [2](#) (Google Scholar). [2](#) (Scopus). **IF(2015): 0.820**.
- 7) Negrea. A; Ciopec. M; Negrea. P; Motoc. M; Hulka. I; Sarac. I; Petrescu. I; Vasileva. V. **Butnariu. M** (✉). Studies Regarding the Use of Ash from Pyrolysis Rubber as an Amendment to Soils Used to Cover Waste

- Dumps. with *Phalaris Arundinacea*. *Revista de chimie*. (ISSN: 0034–7752). Volume: 67. Issue: 11. Pp: 2164–2169. Published: NOV **2016**. AIS=0.057. IF(2015): 1.132.
- 8) Gabor. A; Davidescu. CM; Negrea. A; Ciopec. M; Negrea. P; **Butnariu. M.** Separation of La(III) Using Functionalized Material on Fixed Bed Column. *Revista de chimie*. (ISSN: 0034–7752). Volume: 67. Issue: 11. Pp: 2225–2227. Published: NOV **2016**. AIS=0.057. IF(2015): 1.132.
 - 9) Gabor. A.E. Davidescu. C.M. Negrea. A. Ciopec. M. Ianasi. C. Muntean. C. Negrea. P. **Butnariu. M.** Lanthanum Separation from Aqueous Solutions Using Magnesium Silicate Functionalized with Tetrabutylammonium Dihydrogen Phosphate. *Chem. Eng. Data*. (ISSN: 0021–9568. Ar ASAP. DOI: 10.1021/acs.jced.5b00687 Volume: 61. Issue: 1. Pp: 535–542. Accession Number: WOS: 000368564600061. American Chemical Society) Published: JAN **2016**. AIS=0.469. [4](#) (WoS Core Collection). [6](#) (Google Scholar). [5](#) (Scopus). IF(2015): 2.037. (Quartile in Category–Q2).
 - 10) **Butnariu. M** (✉). Sarac. I. Pentea. M. Samfira. I. Negrea. A. Motoc. M. Buzatu. A.R. Ciopec M. Approach for Analyse Stability of Lutein from *Tropaeolum majus*. *Revista de chimie*. (ISSN: 0034–7752). Volume: 67. Issue: 3. Pp: 503–506. **2016**. AIS=0.057. [13](#) (WoS Core Collection). [14](#) (Google Scholar). [5](#) (Scopus). IF(2015): 1.132.
 - 11) Voda. R; Negrea. A; Lupa. L; Ciopec. M; Negrea. P; Davidescu. CM; **Butnariu. M** (✉). Nanocrystalline ferrites used as adsorbent in the treatment process of waste waters resulted from ink jet cartridges manufacturing. *Open chemistry*. (ISSN: 2391–5420. Volume: 13. Issue: 1. Pp: 743–747. DOI: 10.1515/chem–2015–0092. Accession No: WOS: 000355403100088. Published: JAN **2015**) AIS=0.22. [2](#) (WoS Core Collection). [2](#) (Google Scholar). [2](#) (Scopus).
 - 12) Virteiu. A.M; Stef. R; Grozea. I; **Butnariu. M.** Allelopathy potential of *Aesculus hippocastanum* extracts assessed by phytobiological test method using *Zea mays*. *Environmental engineering and management journal*. (ISSN: 1582–9596. eISSN: 1843–3707. Volume: 14. Issue: 6. Pp: 1313–1321. Accession No: WOS: 000360500200009. Published: JUN **2015**). AIS=0.073. [3](#) (WoS Core Collection). [2](#) (Google Scholar). [3](#) (Scopus). IF(2015): 1.065.
 - 13) Samfira. I; Rodino. S; Petrache. P; Cristina. R.T; Butu. M; **Butnariu. M.** Characterization and identity confirmation of essential oils by mid infrared absorption spectrophotometry. *Digest journal of nanomaterials and biostructures*. (ISSN: 1842–3582. Volume: 10. Issue: 2. Pp: 557–565. Accession Number: WOS: 000357261800002. Published: APR–JUN **2015**). AIS=0.54. [3](#) (WoS Core Collection). [10](#) (Google Scholar). [3](#) (Scopus). IF(2015): 0.945.
 - 14) Pentea. M.; Butu. M.; Samfira. I.; Cristina. R.T. **Butnariu. M.** Extraction and analytical study of salvinorin a from leaves of *Salvia divinorum*. *Digest journal of nanomaterials and biostructures*. (ISSN: 1842–3582. Volume: 10. Issue: 1. Pp: 291–297. Accession Number: WOS: 000353029900029. Published: JAN–MAR **2015**). AIS=0.54. [4](#) (WoS Core Collection). [2](#) (Google Scholar). [4](#) (Scopus). IF(2015): 0.945.
 - 15) Negrea. P. Caunii. A. Sarac. I. **Butnariu. M** (✉). The study of infrared spectrum of chitin and chitosan extract as potential sources of biomass. *Digest journal of nanomaterials and biostructures*. (ISSN: 1842–3582. Volume 10. Number 4. Pp: 1129–1138. Accession No: WOS: 000366264800003. October–December **2015**). AIS=0.057. [4](#) (WoS Core Collection). [10](#) (Google Scholar). [8](#) (Scopus). IF(2015): 0.945.
 - 16) Csuma. A; Cristina. Romeo T.; Dumitrescu. E; Muselin. F; Alexa. E.C; Gergen. I. **Butnariu. M.** Application of QuEChERS–High Performance Liquid Chromatography with Postcolumn Fluorescence Derivatization (HPLC–FLD) method to analyze Eprinomectin B1a residues from a pour-on conditioning in bovine edible tissues. *Open chemistry*. (ISSN: 2391–5420. Volume: 13. Issue: 1. Pp: 769–779. DOI: 10.1515/chem–2015–0097. Accession No: WOS: 000355403100092. Published: JAN **2015**) AIS=0.22. [1](#) (WoS Core Collection). [1](#) (Google Scholar). [1](#) (Scopus).
 - 17) Ciopec. M; Negrea. A; Pentea. M; Samfira. I. Motoc. M; **Butnariu. M.** Studies Concerning the Immobilisation and Stabilization of the Mining Landfills. *Revista de chimie*. (ISSN: 0034–7752. Volume: 66. Issue: 5. Pp: 645–653. Accession Number: WOS: 000355126000011. Published: MAY **2015**) AIS=0.057. [4](#) (WoS Core Collection). [4](#) (Google Scholar). [4](#) (Scopus). IF(2015): 1.132.

- 18) Caunii. A; Negrea. A; Pentea. M; Samfira. I; Motoc. M; **Butnariu. M.** Mobility of Heavy Metals from Soil in the Two Species of the Aromatic Plants. *Revista de chimie*. (ISSN: 0034–7752. Volume: 66. Issue: 3. Pp: 382–386. Accession No: WOS: 000352756300020. Published: MAR 2015). *AIS=0.057*. [22](#) (WoS Core Collection). [18](#) (Google Scholar). [9](#) (Scopus). **IF(2015): 1.132**.
- 19) Caunii. A; Butu. M; Rodino. S; Motoc. M; Negrea. A; Samfira. I; **Butnariu. M.** Isolation and Separation of Inulin from *Phalaris arundinacea* Roots. *Revista de chimie*. (ISSN: 0034–7752. Volume: 66. Issue: 4. Pp: 472–476. Accession No: WOS: 000354914500007. Published: APR 2015). *AIS=0.057*. [16](#) (WoS Core Collection). [14](#) (Google Scholar). [8](#) (Scopus). **IF(2015): 1.132**.
- 20) Butu. A; Rodino. S; Golea. D; Butu. M; Negoescu. C; Dinu–Pirvu. C.E. **Butnariu. M.** Liposomal nanodelivery system for proteasome inhibitor anticancer drug bortezomib. *Farmacia*. (eISSN: 2065–0019. Volume: 63. Issue: 2. Pp: 224–229. Accession Number: WOS: 000353526900011. ISSN: 0014–8237. Published: MAR–APR 2015). *AIS=0.059*. [20](#) (WoS Core Collection). [18](#) (Google Scholar). [8](#) (Scopus). **IF(2015): 1.005**.
- 21) **Butnariu. M**✉. Samfira. I; Sarac. I; Negrea. A; Negrea. P. Allelopathic effects of *Pteridium aquilinum* alcoholic extract on seed germination and seedling growth of *Poa pratensis*. *Allelopathy journal*. (ISSN: 0971–4693. eISSN: 0974–1240. Volume: 35. Issue: 2. Pp: 227–236. Accession No: WOS: 000357105400008. Published: APR 2015). *AIS=0.126*. [14](#) (WoS Core Collection). [18](#) (Google Scholar). [8](#) (Scopus). **IF(2015): 0.523**. (Quartile in Category–Q2).
- 22) **Butnariu. M**✉. Negrea. P; Lupa. L; Ciopec. M; Negrea. A; Pentea. M; Sarac. I; Samfira. I. Remediation of Rare Earth Element Pollutants by Sorption Process Using Organic Natural Sorbents. *International journal of environmental research and public health*. (ISSN: 1660–4601. Volume: 12. Issue: 9. Pp: 11278–11287. DOI: 10.3390/ijerph120911278. Accession No: WOS: 000361889100051. PubMed ID: 26378553. Published: SEP 2015). *AIS=0.684*. [19](#) (WoS Core Collection). [20](#) (Google Scholar). [8](#) (Scopus). **IF(2015): 2.063**. (Quartile in Category–Q2).
- 23) Rodino. S. Butu. M. Negoescu. C. Caunii. A. Cristina. R.T. **Butnariu. M.** Spectrophotometric method for quantitative determination of nystatin antifungal agent in pharmaceutical formulations. *Digest journal of nanomaterials and biostructures*. Volume: 9. Issue: 3. Pp: 1215–1222. Published: JUL–SEP 2014 (Accession Number: WOS: 000346138400033. ISSN: 1842–3582) *AIS=0.54*. [21](#) (WoS Core Collection). [9](#) (Google Scholar). [7](#) (Scopus). **IF(2015): 0.945**.
- 24) Rashed. K; **Butnariu. M.** Antimicrobial and Antioxidant Activities of *Bauhinia racemosa* Lam. and Chemical Content. *Iranian journal of pharmaceutical research*. Volume: 13. Issue: 3. Pp: 1073–1080. Published: SUM 2014 (Accession Number: WOS: 000347384900035. PubMed ID: 25276210. ISSN: 1735–0328. eISSN: 1726–6890). *AIS=0.237*. [27](#) (WoS Core Collection). [23](#) (Google Scholar). [11](#) (Scopus). **IF(2015): 1.065**.
- 25) Petrache. P. Rodino. S. Butu. M. Pribac. G. Pentea. M. **Butnariu. M.** Polyacetylene and carotenes from *Petroselinum sativum* root. *Digest journal of nanomaterials and biostructures*. Volume: 9. Issue: 4. Pp: 1523–1527. Published: OCT–DEC 2014 (Accession Number: WOS: 000346138800025. ISSN: 1842–3582). *AIS=0.54*. [25](#) (WoS Core Collection). [10](#) (Google Scholar). [8](#) (Scopus). **IF(2015): 0.945**.
- 26) Cristina. R. Hanganu. F. Dumitrescu. E. Muselin. F. **Butnariu. M.** Constantin. A. Chiurciu. V. The Impact of Exogenic Testosterone and Nortestosterone–Decanoate Toxicological Evaluation Using a Rat Model. *PLoS ONE*. 2014. 9(10): e109219.doi:10.1371/journal.pone.0109219 (Accession Number: WOS: 000343730400046. PubMed ID: 25302584. ISSN: 1932–6203). *AIS=1.1*. [9](#) (WoS Core Collection). [6](#) (Google Scholar). [2](#) (Scopus). **IF(2015): 3.234**. (Quartile in Category–Q1).
- 27) Butu. M. Rodino. S. Pentea. M. Negrea. A. Petrache. P. **Butnariu. M.** IR spectroscopy of the flour from bones of European hare. *Digest journal of nanomaterials and biostructures*. Volume: 9. Issue: 4. Pp: 1317–1322. Published: OCT–DEC 2014 (Accession Number: WOS: 000346138800003. ISSN: 1842–3582). *AIS=0.54*. [20](#) (WoS Core Collection). [13](#) (Google Scholar). [9](#) (Scopus). **IF(2015): 0.945**.
- 28) Butu. M. Rodino. S. Butu. A. **Butnariu. M.** Screening of bioflavonoid and antioxidant activity of *Lens culinaris medikus*. *Digest journal of nanomaterials and biostructures*. Volume: 9. Issue: 2. Pp: 519–529. Published:

- APR–JUN 2014 (Accession Number: WOS: 000339050700010. ISSN: 1842–3582). *AIS*=0.54. [31](#) (WoS Core Collection). [30](#) (Google Scholar). [9](#) (Scopus). **IF(2015): 0.945.**
- 29) Butu. M. **Butnariu. M**✉. Rodino. S. Butu. A. Study of zingiberene from *Lycopersicon Esculentum* fruit by mass spectrometry. *Digest journal of nanomaterials and biostructures*. Volume: 9. Issue: 3. Pp: 935–941. Published: JUL–SEP 2014 (Accession Number: WOS: 000346138400005. ISSN: 1842–3582) *AIS*=0.54. [20](#) (WoS Core Collection). [31](#) (Google Scholar). [16](#) (Scopus). **IF(2015): 0.945.**
- 30) **Butnariu. M.** Rodino. S. Petrache. P. Negoescu. C. Butu. M. Determination and quantification of maize zeaxanthin stability. *Digest journal of nanomaterials and biostructures*. Volume: 9. Issue: 2. Pp: 745–755. Published: APR–JUN 2014 (Accession Number: WOS: 000339050700030. ISSN: 1842–3582). *AIS*=0.54. [31](#) (WoS Core Collection). [25](#) (Google Scholar). [8](#) (Scopus). **IF(2015): 0.945.**
- 31) **Butnariu. M**✉. Detection of the polyphenolic components in *Ribes nigrum* L. *Annals of agricultural and environmental medicine*. Volume: 21. Issue: 1. Pp: 11–14. Published: 2014 (Accession Number: WOS: 000333867800003. PubMed ID: 24742033. ISSN: 1232–1966. eISSN: 1898–2263). *AIS*=0.54. [33](#) (WoS Core Collection). [43](#) (Google Scholar). [11](#) (Scopus). **IF(2014): 1.126.**
- 32) Samfira. I. **Butnariu. M.** Rodino. S. Butu. M. Structural investigation of mistletoe plants from various hosts exhibiting diverse lignin phenotypes. *Digest journal of nanomaterials and biostructures*. Volume: 8. Issue: 4. Pp: 1679–1686. Published: OCT–DEC 2013 (Accession Number: WOS: 000327818000032. ISSN: 1842–3582). *AIS*=0.15. [25](#) (WoS Core Collection). [11](#) (Google Scholar). [13](#) (Scopus). **IF(2015): 0.945.**
- 33) Putnoky. S; Caunii. A; **Butnariu. M**✉. Study on the stability and antioxidant effect of the *Allium ursinum* watery extract. *Chemistry central journal*. Volume: 7. Article Number: 21. Published: FEB 1 2013. (Accession Number: WOS: 000315954200001. PubMed ID: 23369571. ISSN: 1752–153X). *AIS*=0.54. [31](#) (WoS Core Collection). [35](#) (Google Scholar). [10](#) (Scopus). **IF(2015): 2.442. (Quartile in Category–Q1).**
- 34) **Butnariu. M**✉; Caunii. A. Design management of functional foods for quality of life improvement. *Annals of agricultural and environmental medicine*. Volume: 20. Issue: 4. Pp: 736–741. Published: 2013 (Accession Number: WOS: 000329085100020. PubMed ID: 24364445. ISSN: 1232–1966. eISSN: 1898–2263) *AIS*=0.3. [29](#) (WoS Core Collection). [31](#) (Google Scholar). [12](#) (Scopus). **IF(2014): 1.126.**
- 35) Bostan. C; **Butnariu. M**; Butu. M; Ortan. A; Butu. A; Rodino. S; Parvu. C. Allelopathic effect of *Festuca rubra* on perennial grasses. *Romanian biotechnological letters*. Volume: 18. Issue: 2. Pp: 8190–8196. Published: MAR–APR 2013 (Accession Number: WOS: 000318221200014. ISSN: 1224–5984). *AIS*=0.083. [37](#) (WoS Core Collection). [31](#) (Google Scholar). [12](#) (Scopus). **IF(2015): 0.404.**
- 36) Barbat. C. Rodino. S. Petrache. P. Butu. M. **Butnariu. M.** Microencapsulation of the allelochemical compounds and study of their release from different. *Digest journal of nanomaterials and biostructures*. Volume: 8. Issue: 3. Pp: 945–953. Published: JUL–SEP 2013 (Accession Number: WOS: 000327816300004. ISSN: 1842–3582). *AIS*=0.15. [28](#) (WoS Core Collection). [29](#) (Google Scholar). [14](#) (Scopus). **IF(2015): 0.945.**
- 37) Ferencz. A; Juhasz. R; **Butnariu. M**; Deer. AK; Varga. IS; Nemcsok. J. Expression analysis of heat shock genes in the skin, spleen and blood of common carp (*Cyprinus carpio*) after cadmium exposure and hypothermia. *Acta Biologica Hungarica*. Volume: 63. Issue: 1. Pp: 15–25. Published: MAR 2012 (Accession Number: WOS: 000302010900002. PubMed ID: 22453797. ISSN: 0236–5383). *AIS*=0.115. [29](#) (WoS Core Collection). [31](#) (Google Scholar). [15](#) (Scopus). **IF (2015): 0.589.**
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Butnariu. M. A. Butu. Chapter: "Chemical Composition of Vegetables and Their Products" in Book "Handbook of Food Chemistry" Springer International Publishing AG. Part of Springer Nature. (2015). ISBN: 978-3-642-36604-8 (Print) 978-3-642-36605-5 (Online). web: https://link.springer.com/referenceworkentry/10.1007/978-3-642-36605-5_17. pp 627-692. 3 (Google Scholar). 7 (Web of Knowledge). 2 (Scopus) (Romanian Academy Award 2016 (<http://www.acad.ro/premiileAR/liste/2014.pdf>)).

Butnariu. M. A. Butu. Chapter: "Plants by the Insecticides Obtained from Petroleum By-Product" in Book "Adv. in Pet. Eng. Vol.2: Petrochemical". STUDIUM PRESS LLC P.O. Box 722 200. Houston. TX-77072. USA. (2015). ISBN: 1-62699-041-7 (Set 2 Vols. ISBN: 1-62699-047-6). pp 76-107. 1 (Google Scholar) 4 (Web of Knowledge).

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Butnariu. M., et al. (2012). [Compendium of Forage Technical Terms in English, French and Romanian]. Cambridge Scholars Publishing Ltd. ISBN (13): 978-1-4438-3623-4; ISBN (10): 1-4438-3623-0. 7 (Google Scholar) pp. 365. (<http://www.cambridgescholars.com/compendium-of-forage-technical-terms-in-english-french-and-romanian-16>).

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Ianculov I. **Butnariu. M.** Ghid practic de chimie fizica si coloidala [Practical Guide to Chemistry-Physical and Colloidal]. Publishing Eurostampa. (2000). Timisoara. ISBN: 973-8027-86-1. 3 (Google Scholar).

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Alimentatia functionala cu componente bioactive naturale in sindromul metabolic [*Functional nutrition with natural bioactive components in metabolic syndrome*]; Editors: Dragan S. Gergen I. Socaciu C. Chapter II: Antioxidantii din sursele naturale. Legumele–surse de compusi bioactivi cu activitate *antioxidanta* [*Antioxidants from natural sources. Vegetable sources of bioactive compounds with antioxidant activity*]. Author: **Butnariu. M.** Publishing Eurostampa. Timisoara. (2008). ISBN: 978-973-687-761-2 (total pp, 467) pp. 127–216=89 p. [3](#) (Google Scholar).

PATENTS:

BUTNARIU. M. Deheleanu CA. Palicica R.D. Unguent farmaceutic si procedeu de obtinere pe baza de flori de galbenele crescute pe soluri imbogatite cu zinc / Pharmaceutical ointment based on *Marigold* flowers grown in zinc-enriched soils and process for preparing the same, *Brevet de inventie*: **RO122836-B1**. Derwent Primary Accession Number: 2010-K17359/International Patent Classification: A61K-036/185; A61K-036/28 /International Patent Classification: A61K-036/185; A61K-036/28

BUTNARIU. M. Sarateanu V. Palicica RD. Gergen I. Ianculov I. Samfira I. Chet C. Unguent farmaceutic si procedeu de obtinere pe baza de inflorescente de coada soricelului. crescute pe soluri imbogatite cu zinc / Pharmaceutical ointment based on inflorescences of milfoils growing on zinc-enriched soils and process for preparing the same. *Brevet de inventie*: **RO122952-B1**. Derwent Primary Accession Number: 2010-J60164/International Patent Classification: A61K-036/18; A61K-009/06/Derwent Manual Code(s): B03-A; B04-A08C2; B04-A09; B04-A10; B04-B01B; B10-E02; B10-J02; B12-M02B

BUTNARIU. M. Sarateanu V. Samfira I. Jianu IC. Tonea E. Palicica RD. Chet C. Procedeu de obtinere a unui bioproduct din *Salvia Nemorosa* pentru utilizare cosmetica. farmaceutica si alimentara / Process and bio-products of *Salvia nemorosa* based on bio-active compounds with cosmetic. pharmaceutical and alimentary applications. *Brevet de inventie*: **RO125201-A2**. Derwent Primary Accession Number: 2010-J60127/International Patent Classification: A61K-036/185; A61K-036/537 /Derwent Manual Code(s): B04-A08C2; B04-A09; B04-A10; B12-M02B; B12-M03; B14-R01; D08-B.

Dumbrava D. Ianculov I. Palicica R. Moisuc A. **BUTNARIU. M** Unguent terapeutic pe baza de extract carotenoidic din *Zea mais* / Pharmaceutical ointment based on carotenoid extract from *Zea mays*. *Brevet de inventie*: **RO122893-B1**. Derwent Primary Accession Number: 2010-K25088/International Patent Classification: A61K-036/18; A61K-009/06/

Derwent Manual Code(s): B03-A; B04-A08C2; B04-A09; B04-A10; B04-B01B; B10-E02; B10-J02; B12-M02B.

Dumbrava D. Lupea A. Ianculov I. Palicica R. Moisuc A. **BUTNARIU. M.** Unguent terapeutic pe baza de extract carotenoidic din fructe de *Hippophae rhamnoides* si procedeu de obtinere / Pharmaceutical ointment based on carotenoid extract of *Hippophae Rhamnoides* fruit and process for preparing the same. *Brevet de inventie*: **RO122834-B1**. Derwent Primary Accession Number: 2010-J60199/ International Patent Classification: A61K-036/185; A61K-009/06/ Derwent Manual Code(s): B03-A; B03-F; B04-A08; B04-A09; B04-A10; B12-M02B

PRE PUBLICATION REVIEWS:

Monica Butnariu

<https://publons.com/a/313852>

Private Dashboard–Generated Verified Record

For Monica Butnariu

Peer Review Summary:

Performed 74 reviews for journals including *Desalination* and *Future Medicinal Chemistry*; placing in the 98th percentile for verified review contributions on Publons up until February 2018.

Publons Verified Record

PREPARED BY PUBLONS ON FEBRUARY 8TH 2018

	1	Desalination
	2	Future Medicinal Chemistry
	2	Basic and Clinical Pharmacology & Toxicology
	1	Drug Design, Development and Therapy
	1	Plos One
	2	Current Pharmaceutical Biotechnology
	5	Journal of Pharmacy and Pharmacology
	2	Food Bioscience
	1	Natural Product Research
	22	Environmental Progress & Sustainable Energy
	1	European Food Research and Technology
	1	Iranian Journal of Pharmaceutical Research
	1	Journal of Wood Science
	3	African Journal of Biotechnology
	1	Merit Research Journal of Medicine and Medical Sciences
	4	Journal of Applied Pharmaceutical Science
	2	Net Journal of Agricultural Science
	1	Biharean Biologist
	1	Journal of Biodiversity, Bioprospecting and Development
	1	Biochemical Sciences
	1	International Journal of Water Resources and Environmental Engineering
	1	Journal of Agricultural Science and Food Technology
	1	Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Veterinary Medicine
	3	Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Food Science and Technology
	1	Environmental Progress
	4	Bulletin of the University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca Horticulture
	1	Nigerian Journal of Science and Environment (NJSE)
	4	Bulletin of the University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Agriculture
	3	Bulletin of the University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca Animal Science and Biotechnologies

EDITORIAL RECORD SUMMARY:

Managed the reviewing process for 2 publications for journals including *Banat's Journal of Biotechnology*. These are all the editorial records added to Publons up until February 2018.

2

Banat's Journal of Biotechnology

PROFESSIONAL MEMBERSHIPS:

Basel Declaration for Advances in human and veterinary medicine through animal experiments (<http://www.basler-deklaration.ch/basel-declaration-society/ambassadors/>) Active Member: *AMBASSADORS*, (Since 2011).

Biochemical Society/Portland Press Ltd, London, UK–Active Member: *Full Members* (<http://www.omicsonline.org/searchresult.php?keyword=Monica+Butnariu&search=Go>); (Since 2011).

CONEM Romania Biotechnology and Environmental Sciences Group (<http://www.conem.org/about-conem/groups/europe/>). Active Member: *HEAD*, (Since 2011).

ESPEN–The European Society for Clinical Nutrition and Metabolism, Active Member: *Full Members* (http://www.espen.info/EspenWebsite/EspenMember/my_profile cms.aspx), (Since 2011).

International Association for Plant Biotechnology (IAPB). (<http://iapbhome.com/join>). Active Member: *NATIONAL CORRESPONDENT*, (Since 2011).

International Carotenoid Society, (<http://www.carotenoidsociety.org/user/monicabutnariu>) Active Member: *Full Members* (Since 2011).

International Industrial Biotechnology Network, (<http://www.iibn.eu/memberCenter.php>). Active Member: *Full Members* (Since 2011).

Italo–Latin American Society of Ethnomedicine, Active Member: *Full Members* (http://www.silae.it/eng/anagrafica/user_3561fe69a269155f7d977b871bdd4df2). (Since 2011).

National Correspondent International Association for Plant Biotechnology (IAPB) (<http://iapbhome.com/join>). Active Member: *Full Members* (Since 2011).

Publication Integrity & Ethics (PIE), Active Member: *Full Members* (Since 2011).

Society Biochemistry and Molecular Biology. Active Member: *Full Members* (Since 2007).

Society of Chemistry Romania, Active Member: *Full Members* (Since 2008).

h-index*: 25 (Clarivate Analytics Web of Science Core Collection)* as of 2/02/2018

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