Dr. Monica BUTNARIU

REFERENCES	Web of Science Core Collection–Clarivate Analytics
ISI journal	112
Non–ISI journal	110
Conferences	>80
ISI | Google Scholar Citations	>1800|>6100
Book chapters | Books	>25(https://www.sciencedirect.com/search/advanced?qs=Monica%20Butnariu&show=25), (https://rd.springer.com/search?query=Butnariu+Monica+Chapter) | 10 books
	H–index =40 (WoS)

Professor, habilitated doctor, chemist, Chemistry & Biochemistry Discipline, University of Life Sciences "King Mihai I" from Timisoara, 300645, Calea Aradului 119, Timis, Romania.
E–mail: **monicabutnariu@yahoo.com** / monica_butnariu@usvt.ro
Scopus Author ID: Scopus Author ID: 15070536800. **ResearcherID**: E–7217–2010.
Orcid ID: 0000–0002–2032–5000.
Other IDs**:** Mendeley profile (https://www.mendeley.com/profiles/monica–butnariu2/)
https://www.brainmap.ro/profile/monica–butnariu;
https://ec.europa.eu/research/participants/experts/contracts/profile (EX2012D125018);
Loop profile: 77709 (https://loop.frontiersin.org/people/77709/overview); Expert TAIEX (568279);

SPECIAL TRANING EXPERIENCE

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

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

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**(https://epdf.tips/queue/persistent–pollution–past–present–and–future–school–of–environmental–research–or.html). (https://cordis.europa.eu/docs/publications/1258/125823091–6_en.pdf).

2007–*3rd Summer School of Environmental Chemistry and Ecotoxicology* Course 2007, organized de RECETOX, **Brno, CZECH** (http://www.recetox.muni.cz/index.php?pg=fotogalerie—letni–skola–2007).

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

2008–*REP–LECOTOX 1st Ecotoxicogenomics: the challenge of integrating* genomics/ proteomics/ metabolomics into aquatic, terrestrial ecotoxicology, (https://link.springer.com/article/10.1007/s11356–009–0128–2). **Novi Sad, SERBIA**.

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

2017–Keynote Speakers invited 22nd International Conference on Environmental Indicators, ((https://www.nature.com/naturecareers/events/event/56307)–22nd_International_Conference_on_Environmental_Indicators). 1st–5th August 2017, **Helsinki, FINLAND**.

2018–Keynote Speakers invited with *Extraction of essential oils from medicinal plants*, (http://separation–techniques.alliedacademies.com/2018/scientific–program) to ADVANCED MATERIALS AND POLYMER SCIENCE & International Conference and Expo on SEPARATION TECHNIQUES October 19–20, 2018 | **Tokyo, JAPAN** (http://www.alliedacademies.org/proceedings/extraction–of–essential–oils–from–medicinal–plants–2828.html).

2019–Keynote Speakers invited, with "Vegetable bioindicators or adaptation of plants to environmental conditions" to 23RD INTERNATIONAL CONFERENCE ON ENVIRONMENTAL INDICATORS 9–12 SEPTEMBER 2019, (http://www.environmentalindicators.org/Program–highlights). Technion, **Haifa, ISRAEL**.

RESEARCH INTERESTS (Expertise & keywords):

Nutritional Biochemistry: Pharmacology & Toxicology, Medical Biochemistry; Chemical Ecology; Natural Products;

Applied chemistry: Instrumental analysis, Chemistry–Physical and Colloidal, Chemical plants and processes, Biocides, Biochemistry, Agrofood waste biovalorisation; Chemistry and Analytical Biochemistry, Applied Biotechnology;

Agricultural chemistry: Agrochemistry, Biotechnology, Agro–Food, Agro–Environment, Chemical pollutants; Environmental protection;

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

Other expertise: ***Ethics Expert of European Commission Research Executive Agency*** (EX2012D125018), ***Expert*** **TAIEX** (568279) (*Technical Assistance and Information Exchange*) ***of European Commission*** (https://webgate.ec.europa.eu/TMSWebRestrict/ExpertDatabase#/profile/expert/568279) and ***Expert*** and ***Scientific Officer CNCS*** and ***UEFISCDI*** (RO) https://www.brainmap.ro/profile/monica–butnariu–UEF–ID: U–1700–038R–9385.

EMPLOYMENT

University of Life Sciences "King Mihai I" from Timisoara, 300645, Calea Aradului 119, Timis, Romania. 1998 to present | Preparatory, Assistant Professor, Lecturer, Associate Professor, and Full Professor, doctor habilitat, chemist (Chemistry & Biochemistry Disciplines).

EDUCATION (academic positions)

University Cluj–Napoca (http://www.usamvcluj.ro/index.php/doctorat/abilitare)
12/07 2013 Habilitation / doctor habilitat, Habilitation thesis Title: "*Identification and quantification of bio compounds in life science and applied biotechnology areas, aimed at sustainable development*".

"*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, agrochemistry–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; [ALINA BUTU]).

2012–07 to **2016**–12 Contract: 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.

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** | *2.2.2 Delivery of joint research projects*–Contract: HURO/0801/038. *(http://www.huro-cbc.eu/uploads/editors/file/LIST%20OF%20APPROVED%20PROJECTS%20HURO_0801.pdf).*

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; [MONICA BUTNARIU]) **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; [MONICA BUTNARIU]).

2006–04 to **2008**–04 | Contract CEEX–ET: 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) / Web of Science Core Collection–Clarivate Analytics / Peer Reviewed Journals [E–7217–2010], and PubMed Listed [Publications by Butnariu Monica in PubMed])

- Semenova Y, Bjørklund G, Butnariu M, Peana M. Iron-related Biomarkers in the Diagnosis and Management of Iron Disorders. Current Medicinal Chemistry; **DOI:** https://doi.org/10.2174/0109298673263003231228060800; IF: 4.1 (Quartile in Category–**Q2**)
- Armaghan, M. Khan, K., Irfan, M., Hafeez, A; Zafar, S; Javed,; Sharifi-Rad, **Butnariu M** ✉; Sarac, I;.Bagiu, I.-C., Bagiu, R.V. Koetjapic acid: unveiling its potential as a saviour in the realm of biological and medicinal properties, with a focus on anticancer mechanism of action; ***European Journal of Medical Research***, 2024, 29(1), 106; IF: 4.2 (Quartile in Category–**Q2**)
- Ali, M.A., Khan, N., Ali, A., Akram, H; Zafar, N; Imran, K; Khan, T; Khan, Khan K.; Armaghan, M; Palma-Morales, M; Rodríguez-Pérez C.; Caunii, A. **Butnariu M** ✉; Habtemariam, S., Sharifi-Rad, J. Oridonin from Rabdosia rubescens: An emerging potential in cancer therapy – A comprehensive review; ***Food Science and Nutrition***, 2024; IF: 3.9 (Quartile in Category–**Q2**)
- Chandra Shill, M., All Rakib, A., Islam Khan, S., Hossain M.; Alam S.; Hossain, H; Kumar Karmakar, U; Bhuia, M. S; Shahriar, M; Mahmud Reza, H; Sarkar, C; Sönmez Gürer, E. Sharifi-Rad, J; **Butnariu M** ✉, Torequl Islam, M. Polyphenol-Standardized Aphanamixis polystachya Leaf Extract Ameliorates Diabetes, Oxidative Stress, Inflammation, and Fibrosis in Streptozotocin-Induced Diabetic Rats; ***Journal of Food Biochemistry***, 2024, 2024, 9441968; IF: 4 (Quartile in Category–**Q2**)
- Trivedi V L, Soni R, Dhyani P, Sati P, Tejada S, Sureda A, Setzer W N, Faizal Abdul I Razis A, Modu B, **Butnariu M** ✉and Sharifi-Rad J Anti-cancer properties of boswellic acids: mechanism of action as anti-cancerous agent. Front. Pharmacol. Sec. Pharmacology of Anti-Cancer Drugs, Volume 14: 1187181. **2023** | doi:10.3389/fphar.2023.1187181; IF: 5.6 (Quartile in Category–**Q1**)
- **Butnariu M**✉, Tietel Z. Editorial: Biosynthesis, purification, characterization and uses of natural compounds in plants, Frontiers in Plant Science**, 2023**;Jul 6;14:1162676. doi: 10.3389/fpls.2023.1162676. eCollection 2023.PMID: 37484475 IF: **5.6**(Quartile in Category–**Q1**)
- Zafar S, Armaghan M, Khan K, Hassan N, Sharifi-Rad J, Habtemariam S, Kieliszek M, **Butnariu M**✉, Bagiu IC, Bagiu RV, Cho WC. New insights into the anticancer therapeutic potential of maytansine and its derivatives, Biomedicine & Pharmacotherapy; **2023**; Jun 24;165:115039. doi: 10.1016/j.biopha.2023.115039. Online ahead of print. PMID: 37364476; IF: **7.5**(Quartile in Category–**Q1**)
- **Butnariu M**, Fratantonio D, Herrera-Bravo J, Sukreet S, Martorell M, Ekaterina Robertovna G, Les F, López V, Kumar M, Pentea M, Sarac I, Becherescu A, Cruz-Martins N, Setzer WN, Iriti M, Rasul Suleria HA, Sharifi-Rad J. Plant-food-derived Bioactives in Managing Hypertension: From Current Findings to Upcoming Effective Pharmacotherapies. Curr Top Med Chem. **2023**;23(8):589-617. doi: 10.2174/1568026623666230106144509.PMID: 36617707; IF: **3.4**
- Silva, V. L. M., Silva-Reis, R., Moreira-Pais, A., Ferreira, T., Oliveira, P. A., Ferreira, R., Cardoso, S. M., Sharifi-Rad, J., **Butnariu M** ✉ , Costea, M. A., & Grozea, I. (2022). Dicoumarol: from chemistry to antitumor benefits. *Chinese medicine*, *17*(1), 145. https://doi.org/10.1186/s13020-022-00699-0 IF: **4.9**(Quartile in Category–**Q1**)
- Zafar, S., Khan, K., Hafeez, A., Irfan, M., Armaghan, M., Rahman, A. U., Gürer, E. S., Sharifi-Rad, J., Butnariu, M., Bagiu, I. C., & Bagiu, R. V. (2022). Ursolic acid: a natural modulator of signaling networks in different cancers. *Cancer cell international*, *22*(1), 399. https://doi.org/10.1186/s12935-022-02804-7; IF: **5.8**(Quartile in Category–**Q1**)
- Iqbal, MJ; Rashid, U; Javed, Z; Hamid, Z; Imran, K; Kabeer, A; Raza, S; Almarhoon, ZM; Reiner, Z; Bagiu, IC; Bagiu, RV; Sarac, I; Sharifi-Rad, J; Ydyrys, A; Dastan, SD; Butnariu, M; Cho, WC. Biosynthesized silver nanoparticles and miR34a mimics mediated activation of death receptor in MCF-7 human breast cancer cell lines. *Cancer Nano* **13**, 31 (2022). https://doi.org/10.1186/s12645-022-00137-8; IF: **5.7**(Quartile in Category–**Q2**)
- Hossain R, Quispe C, Khan RA, Saikat ASM, Ray P, Ongalbek D, Yeskaliyeva B, Jain D, Smeriglio A, Trombetta D, Kiani R, Kobarfard F, Mojgani N, Saffarian P, Ayatollahi SA, Sarkar C, Islam MT, Keriman D, Uçar A, Martorell M, Sureda A, Pintus G, **Butnariu M**, Sharifi-Rad J, Cho WC. Propolis: An update on its chemistry and pharmacological applications. *Chinese medicine*, **2022** Aug 26;17(1):100. doi: 10.1186/s13020-022-00651-2. PMID: 36028892; PMCID: PMC9412804. IF: 4.546 (Quartile in Category–**Q1**)
- **Butnariu M**, Quispe C, Koirala N, Khadka S, Salgado-Castillo CM, Akram M, Anum R, Yeskaliyeva B, Cruz-Martins N, Martorell M, Kumar M, Vasile Bagiu R, Abdull Razis AF, Sunusi U, Muhammad Kamal R, Sharifi-Rad J. Bioactive Effects of Curcumin in Human Immunodeficiency Virus Infection Along with the Most Effective Isolation Techniques and Type of Nanoformulations. *International*

Journal of Nanomedicine. **2022** Aug 15;17:3619-3632. doi: 10.2147/IJN.S364501. PMID: 35996526; PMCID: PMC9391931. IF: 7.033 (Quartile in Category–**Q1**)

- Hossain R, Ray P, Sarkar C, Islam MS, Khan RA, Khalipha ABR, Islam MT, Cho WC, Martorell M, Sharifi-Rad J, **Butnariu M**, Umbetova A, Calina D. Natural Compounds or Their Derivatives against Breast Cancer: A Computational Study. *BioMed Research International*. **2022** Jul 5;2022:5886269. doi: 10.1155/2022/5886269. PMID: 35837379; PMCID: PMC9276515. IF: 3.246 (Quartile in Category–**Q2**)
- **Butnariu M**, Quispe C, Herrera-Bravo J, Helon P, Kukula-Koch W, López V, Les F, Vergara CV, Alarcón-Zapata P, Alarcón-Zapata B, Martorell M, Pentea M, Dragunescu AA, Samfira I, Yessimsiitova Z, Daştan SD, Castillo CMS, Roberts TH, Sharifi-Rad J, Koch W, Cho WC. The effects of thymoquinone on pancreatic cancer: Evidence from preclinical studies. *Biomedicine and Pharmacotherapy*. **2022** Sep;153:113364. doi: 10.1016/j.biopha.2022.113364. Epub 2022 Jul 8. PMID: 35810693. IF: 7.419 (Quartile in Category–**Q1**)
- **Butnariu M**, Quispe C, Herrera-Bravo J, Fernández-Ochoa Á, Emamzadeh-Yazdi S, Adetunji CO, Memudu AE, Otlewska A, Bogdan P, Antolak H, Tamimi K, Baghalpour N, Mahroo Bakhtiyari J, Sen S, Acharya K, Segura-Carretero A, Cádiz-Gurrea ML, Lim SHE, Pentea M, Sarac I, Durna Daştan S, Abdull Razis AF, Sunusi U, Kamal RM, Setzer WN, Sharifi-Rad J. A Review on *Tradescantia*: Phytochemical Constituents, Biological Activities and Health-Promoting Effects. *Frontiers in Bioscience - Landmark*. **2022** Jun 21;27(6):197. doi: 10.31083/j.fbl2706197. PMID: 35748273. IF: 3.115
- Hossain R, Quispe C, Saikat ASM, Jain D, Habib A, Janmeda P, Islam MT, Radha, Daştan SD, Kumar M, **Butnariu M**✉, Cho WC, Sharifi-Rad J, Kipchakbayeva A, Calina D. Biosynthesis of Secondary Metabolites Based on the Regulation of MicroRNAs. *BioMed Research International*. **2022** Mar 4;2022:9349897. doi: 10.1155/2022/9349897. PMID: 35281611; PMCID: PMC8916866. IF: 3.246 (Quartile in Category–**Q2**)
- **Butnariu M**, Quispe C., Herrera-Bravo J., Sharifi-Rad J., Singh L., Aborehab N. M, Bouyahya A., Venditti A., Sen S., Acharya K., Bashiry M., Ezzat S. M, Setzer W. N, Martorell M., Mileski K. S, Bagiu I.-C., Docea A. O., Calina D., Cho W. C, The Pharmacological Activities of *Crocus sativus* L.: A Review Based on the Mechanisms and Therapeutic Opportunities of its Phytoconstituents, *Oxidative Medicine and Cellular Longevity*, **2022**, 2195902, Volume 2022, Article ID 8214821. https://doi.org/10.1155/2022/8214821, IF: 7.310 (Quartile in Category–**Q2**)
- Al-Kuraishy, H.M., Al-Gareeb, A.I., **Butnariu M**✉., El-Saber Batiha G. The crucial role of prolactin-lactogenic hormone in Covid-19. Mol Cell Biochem (**2022**). https://doi.org/10.1007/s11010-022-04381-9. IF: 3.396 (2020).
- Alshehri M. M, Quispe C., Herrera-Bravo J., Sharifi-Rad J., Tutuncu S., Feyza Aydar E., Topkaya C., Mertdinc Z., Ozcelik B., Aital M., Kumar NV, Lapava N., Rajkovic J., Ertani A., Nicola S., Semwal P., Painuli S., González-Contreras C., Martorell M., **Butnariu M**✉., Bagiu I. C., Bagiu R. V., Barbhai M. D, Kumar M., Durna Daştan S., Calina D., Cho W. C. A Review of Recent Studies on the Antioxidant and Anti-Infectious Properties of Senna Plants, *Oxidative Medicine and Cellular Longevity*, **2022**, Volume 2022, Article ID 6025900, https://doi.org/10.1155/2022/6025900, IF: 7.310 (Quartile in Category–**Q2**)
- **Butnariu M**, Quispe C., Herrera-Bravo J., Pentea M., Sarac I., Seylam Küşümler A., Özçelik B., Painuli S., Semwal P., Imran M., Aslam Gondal T., Emamzadeh-Yazdi S., Lapava N., Yousaf Z., Kumar M., Hussein Eid A., Al-Dhaheri Y., Rasul Suleria H. A., del Mar Contreras M., Sharifi-Rad J., Cho W. C, Papaver Plants: Current Insights on Phytochemical and Nutritional Composition Along with Biotechnological Applications, *Oxidative Medicine and Cellular Longevity*, **2022**, Volume 2022, Article ID 2041769, 23 pages. https://doi.org/10.1155/2022/2041769, IF: 7.310 (Quartile in Category–**Q2**)
- Stoleru V., Jacobsen S.-E., Vitanescu M., Jitareanu G., **Butnariu M**, Munteanu N., Stan T., Teliban G. C., Cojocaru A., Mihalache G., Nutritional and antinutritional compounds in leaves of quinoa, *Food Bioscience*, 45, 2022, 101494, https://doi.org/10.1016/j.fbio.2021.101494. IF: 4.240 (Quartile in Category–**Q1**)
- Torequl Islam, M. Quispe, C. El-Kersh, D.M. Shill, M.C. Bhardwaj, K. Bhardwaj, P. Sharifi-Rad, J. Martorell, M. Hossain, R. Al-Harrasi, A. Al-Rawahi, A. **Butnariu M**✉., Rotariu, L.S. Rasul Suleria, H.A. Taheri, Y. Docea, A.O. Calina, D. Cho W.C. A Literature-Based Update on *Benincasa hispida* (Thunb.) Cogn.: Traditional Uses, Nutraceutical and Phyto-Pharmacological Profiles *Cancer Cell International*, **2021**, 21(1), IF: 5.722 (Quartile in Category–**Q2**).
- Sharifi-Rad, J. Quispe, C. Patra, J.K. Singh, Y.D. Panda, M.K. Das, G. Adetunji, C.O. Michael, O.S. Sytar, O. Polito, L. Živković, J. Cruz-Martins, N. Klimek-Szczykutowicz, M. Ekiert, H. Choudhary, M. I. Ayatollahi, S. A. Tynybekov, B. Kobarfard, F. Covilca Muntean, A. Grozea, I. Daştan, S. D. **Butnariu M**✉, Szopa, A. Calina D. Paclitaxel: Application in Modern Oncology and Nanomedicine-Based Cancer Therapy, *Cancer Cell International*, **2021**, 21(1),. IF: 5.722 (Quartile in Category–Q2).
- Javed Z., Khan K., Herrera-Bravo J., Naeem S., Iqbal M.J., Sadia H., Qadri Q.R., Raza S., Irshad A., Akbar A., Reiner Ž., Al-Harrasi A.I Al-Rawahi A., Satmbekova D., **Butnariu M**✉., Bagiu I.C., Bagiu R.V., Sharifi-Rad J. Genistein as a regulator of signaling pathways and microRNAs in different types of cancers, *Cancer Cell International*, **2021**, 21(1), 388. IF: 5.722 (Quartile in Category–**Q2**).
- Sharifi-Rad J. Quispe C. **Butnariu M**✉., Rotariu L.S. Sytar O. Sestito S. Rapposelli S. Akram M. Iqbal M. Krishna A. Kumar N.V.A. Braga S.S. Cardoso S.M. Jafernik K. Ekiert H. Cruz-Martins N. Szopa A. Villagran M. Mardones L. Martorell M. Docea A.O. Calina D. Chitosan nanoparticles as a promising tool in nanomedicine with particular emphasis on oncological treatment, *Cancer Cell International*, **2021**, 21(1), 318. IF: 5.722 (Quartile in Category–**Q2**)
- Javed Z. Sadia H. Iqbal M.J. Shamas S. Malik K. Ahmed R. Raza S. **Butnariu M**. Cruz-Martins N. Sharifi-Rad J. Apigenin role as cell-signaling pathways modulator: implications in cancer prevention and treatment, *Cancer Cell International*, **2021**, 21(1), 189, IF: 5.722 (Quartile in Category–**Q2**)

– **Butnariu, M**., Peana, M., Sarac, I., Chirumbolo S. Tzoupis H. Chasapis C.T. Bjørklund G. Analytical and in silico study of the inclusion complexes between tropane alkaloids atropine and scopolamine with cyclodextrins, *Chemical Papers*, **2021**, 75(10), pp. 5523–5533, IF: 2.097
– Salehi, B., Quispe, C., **Butnariu, M**., Sarac I. Marmouzi I. Kamle M. Tripathi V. Kumar P. Bouyahya A. Capanoglu E. Ceylan F.D. Singh L. Bhatt I.D. Sawicka B. Krochmal-Marczak B. Skiba D. El Jemli M. El Jemli Y. Coy-Barrera E. Sharifi-Rad J. Kamiloglu S. Cádiz-Gurrea M.D.L.L. Segura-Carretero A, Kumar, M., Martorell, M. Phytotherapy and food applications from *Brassica genus*, *Phytotherapy Research*, **2021**, 35(7), pp. 3590–3609, IF: 5.878 (Quartile in Category–**Q1**)
– Gasmi, A., Peana, M., Arshad, M., **Butnariu, M**., Menzel A., Bjørklund, G. Krebs cycle: activators, inhibitors and their roles in the modulation of carcinogenesis, *Archives of Toxicology*, **2021**, 95(4), pp. 1161–1178, IF: 5.153 (Quartile in Category–**Q1**)
– Sharifi-Rad, J., Quispe, C., Zam, W., Kumar M. Cardoso S.M. Pereira O.R. Ademiluyi A.O. Adeleke O. Moreira A.C. Živković J. Noriega F. Ayatollahi S.A. Kobarfard F. Faizi M. Martorell M. Cruz-Martins N. **Butnariu M**., Bagiu I.C. Bagiu R.V. Alshehri, M.M., Cho, W.C. Phenolic Bioactives as Antiplatelet Aggregation Factors: The Pivotal Ingredients in Maintaining Cardiovascular Health, *Oxidative Medicine and Cellular Longevity*, **2021**, 2021, 2195902, IF: 6.543 (Quartile in Category–**Q2**)
– Sharifi-Rad, J., Quispe, C., Imran, M., Rauf A. Nadeem M. Gondal T.A. Ahmad B. Atif M. Mubarak M.S. Sytar O. Zhilina O.M. Garsiya E.R. Smeriglio A. Trombetta D. Pons D.G. Martorell M. Cardoso S.M. Razis A.F.A. Sunusi U. Kamal R.M. Rotariu L.S. **Butnariu M**., Docea, A.O., Calina, D. Genistein: An Integrative Overview of Its Mode of Action, Pharmacological Properties, and Health Benefits, *Oxidative Medicine and Cellular Longevity*, **2021**, 3268136, IF: 6.543 (Quartile in Category–**Q2**)
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