I. LISTA COMPLETĂ DE PUBLICAȚII, CREAȚII, INVENȚII
BODOR ZSOLT

A. Teza de doctorat

"Analiza, modelarea şi ingineria in silico a căilor metabolice în Escherichia coli pentru obţinerea acidului succinic"

Conducător de doctorat: Prof.dr.ing. Lányi Szabolcs,
Universitatea POLITEHNICA din București,
Facultatea de Chimie Aplicată și Știința Materialelor

B. Cărți publicate

B1. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate la edituri recunoscute în străinătate.

1. **Zsolt BODOR,** Systems Biology, Constraint-Based Modeling of Metabolic Networks, *In silico* Analysis, Modeling and Engineering of *Escherichia coli* Metabolic Network for Succinic Acid Production, Editura LAP LAMBERT Academic Publishing, Chișinău, 2022, 189 pagini, ISBN: 978-620-4-75024-8.
2. BODOR Katalin, **BODOR Zsolt**, Biostatisztika, Gyakorlati jegyzet mérnök hallgatóknak, (Biostatistică, Îndrumar de laborator pentru studenți la inginerie), Editura Underground, Hédervár, 2022, 118 pagini, ISBN: 978-963-574-267-7.

B2. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS/CNCS.

1. **BODOR Zsolt**, Biofolyamatok és reaktorok modellezése, Oktatási segédanyag, Feladatgyűjtemény (Modelarea proceselor și bioreactoarelor, Material didactic, Culegeri de probleme), Editura T3, Sfântu Gheorghe, 2022, ISBN: 978-606-95430-3-0, 111 pagini.

B5. Capitole de cărţi publicate în străinătate

1. Takács, Péter; **Bodor, Zsolt**; Kristóf, Zsolt, Turizmus informatika: Kommunikáció és gazdasági informatika a turizmusban (Informația turistică: Comunicare și informatică economică în turism) Nyíregyháza, *Hungary: HEAL-ALL Healthy Life Alliance for Health Tourism Education Development*

and Reorganisation, 2020-1-HU01-KA203-078799 Proiect (2023), ISBN: 9789634906001.

2. Péter, Takács; **Zsolt, Bodor**; Zsolt, Kristóf, Tourism Informatics-Communication and Ecological Informatics in Tourism, Nyíregyháza, *Hungary: HEAL-ALL Healthy Life Alliance for Health Tourism Education Development and Reorganisation*, 2020-1-HU01-KA203-078799 Proiect (2023), ISBN: 9789634906018.

B6. Capitole de cărţi publicate în ţară

1. **Zsolt BODOR**, Izabella LACZKÓ, Éva MOLNOS, Sándor MOLNOS, Abordări interdisciplinare în științele educației, Școala Altfel: Științele Naturii La Ele Acasă, Editura Aureo, Oradea, 2015, 4 pagini, ISBN:978-606-8614-98-4.

C. Lucrări ştiinţifice publicate

C1. Lucrări ştiinţifice publicate în reviste cotate ISI

1) CZONT, Attila, **Bodor Zsolt** et al. Molecular and physiological adaptations to seasonal training in elite U18 ice hockey players. Sports, 2026, 14.2: 57.
2) PÉTER, Izabella, **Bodor, Zsolt** et al. Succinic acid production from agro-industrial by-products: A comparative study of Basfia succiniciproducens and Escherichia coli strains. Electronic Journal of Biotechnology, 2026, 100727.
3) BODOR, Katalin; **BODOR, Zsolt.** The impact of surface ozone on agricultural yields in the Ciuc Basin. Scientific Reports, 2026, 16.1: 9434.
4) BODOR, Katalin; **BODOR, Zsolt.** Classification and statistical analysis of the nutritional value of commercially available breads in Romania. BMC nutrition, 2026.
5) Balázs, Márta; Péter, Izabella.; Bartos Hunor; **Bodor, Zsolt**; Antal Emőke; Albert Csilla; Miklóssy Ildikó, Organic Acid Production by *Basfia succiniciproducens* from Agro-Industrial By-Products. *BioTech*, 2025, 14, 68. https://doi.org/10.3390/biotech14030068.
6) Bodor Katalin, Geréd Boglárka, Szép Levente, Simó Levente, Gál Mátyás, **Bodor Zsolt**, Examination of particulate matter concentrations of the outdoor air of Miercurea Ciuc, Romania. *Scientific Reports*, 15, 23229 (2025). https://doi.org/10.1038/s41598-025-04528-w.

7) Katalin Bodor, Borbála Tamási, Adél Len, Ágnes Keresztesi, Róbert Szép, **Zsolt Bodor**, Investigation of the properties of different potato varieties and analysis of the starch structure, *Applied Food Research*, Volume 5, Issue 1, 2025, ISSN 2772-5022, https://doi.org/10.1016/j.afres.2025.100998.
8) Katalin Bodor, József Szilágyi, Júlia Incze, Boróka Ungvári, **Zsolt Bodor**, Examination of the physico-chemical parameters of some romanian breads, *Applied Food Research*, Volume 5, Issue 1, 2025, 100744, ISSN 2772-5022, https://doi.org/10.1016/j.afres.2025.100744.
9) Filomena David, Pál Salamon, **Zsolt Bodor**, Ildiko Miklossy, Csongor Orban, Beata Albert, Relationship between physical condition and academic performance in rural Romanian schoolchildren, *Sportis. Scientific Journal of School Sport, Physical Education and Psychomotricity*, 11(1), 2025, https://doi.org/10.17979/sportis.2025.11.1.11205.
10) Bodor Katalin, Tamási Borbála, Keresztesi Ágnes, **Bodor Zsolt**, Orbán Kálmán Csongor, Szép Róbert, A comparative analysis of the nutritional composition of several dairy products in the Romanian market. *Heliyon*. 2024 May 22;10(11):e31513. doi: 10.1016/j.heliyon.2024.e31513.
11) Bodor Katalin, Szilágyi József, Salamon Bernadett, Szakács Orsolya, **Bodor Zsolt**, Physical–chemical analysis of different types of flours available in the Romanian market. *Scientific Reports,* 14, 881 (2024). https://doi.org/10.1038/s41598-.
12) Katalin Bodor, Róbert Szép, **Zsolt Bodor**, Examination of air pollutants and their risk for human health in urban and suburban environments for two Romanian cities: Brasov and Iasi, *Heliyon*, Volume 9, Issue 11, 2023, e21810, ISSN 2405-8440, https://doi.org/10.1016/j.heliyon.2023.e21810.
13) Balázs M, Bartos H, Lányi S, **Bodor Z**, Miklóssy I. Substrate type and CO_2 addition significantly influence succinic acid production of *Basfia succiniciproducens*. *Biotechnol Lett*. 2023 Sep;45(9):1133-1145. doi: 10.1007/s10529-023-03406-7.
14) Katalin Bodor, Bernadett Tokos, **Zsolt Bodor**, Ágnes Keresztesi, Szilvia László, George Garbacea, Róbert Szép, Hydro-geochemical characterization of the main European mineral water brands, *Journal of Food Composition and Analysis*, Volume 122, 2023, 105438, https://doi.org/10.1016/j.jfca.2023.105438.
15) Bodor Katalin, Szép Róbert, Keresztesi Ágnes, **Bodor Zsolt**, Temporal evolution of $PM_{2.5}$, PM_{10}, and total suspended particles (TSP) in the Ciuc basin (Transylvania) with

specific microclimate condition from 2010 to 2019. *Environ Monit Assess*. 2023 Jun 2;195(7):798. doi: 10.1007/s10661-023-11407-2.

16) Czont Attila, Freyer Tamás, **Bodor Zsolt**, Mara Gyöngyvér, Sandor Josif, Miklossy Ildikó. Position-based anthropometric characteristics and general physiological performance of national level, U18 ice hockey players. *Sportis. Scientific Technical Journal of School Sport, Physical Education and Psychomotricity*, 9(1), 81-97, 2023.
17) BODOR Katalin, SZÉP Róbert, **BODOR Zsolt**, Time series analysis of the air pollution around Ploiesti oil refining complex, one of the most polluted regions in Romania. *Scientific Reports,* 12, 11817, 2022.
18) Katalin BODOR, Róbert SZÉP, **Zsolt BODOR**, The human health risk assessment of particulate air pollution ($PM_{2.5}$ and PM_{10}) in Romania, *Toxicology Reports*, 9, 2022, 556-562.
19) Réka BOGA, Ágnes KERESZTESI, **Zsolt BODOR**, Szende TONK, Róbert SZÉP, Miruna Mihaela MICHEU, Source identification and exposure assessment to PM_{10} in the Eastern Carpathians, Romania, *Journal of Atmospheric Chemistry*, 78, 2021, 77-97.
20) Réka BOGA, Ágnes KERESZTESI, **Zsolt BODOR**, Ildikó MIKLÓSSY, Ion-Andrei NITA, Marius-Victor BIRSAN, Miruna Mihaela MICHEU, Róbert SZÉP, Influence of rising temperature and solar radiation on the tropospheric ozone in the Ciuc Basin, ROMANIA, *Romania Journal of Physics*, 66(3), 2021.
21) Katalin BODOR, **Zsolt BODOR**, Alexandru SZÉP, Róbert SZÉP, Classification and hierarchical cluster analysis of principal Romanian bottled mineral waters, *Journal of Food Composition and Analysis*, 100, 2021, 103903.
22) Katalin BODOR, **Zsolt BODOR**, Alexandru SZÉP, Róbert SZÉP, Human health impact assessment and temporal distribution of trace elements in Copșa Mică-Romania, *Scientific Reports*, 11:7049, 2021.
23) Katalin BODOR, **Zsolt BODOR**, Róbert SZÉP, Spatial distribution of trace elements (As, Cd, Ni, Pb) from PM_{10} aerosols and human health impact assessment in an Eastern European country, Romania, *Environ Monit Assess*, 193(4):176, 2021.
24) Katalin BODOR, Miruna Mihaela MICHEU, Ágnes KERESZTESI, Marius-Victor BIRSAN, Ion-Andrei NITA, **Zsolt BODOR**, Sándor PETRES, Attila KORODI, Róbert SZÉP, Effects of PM_{10} and Weather on Respiratory and Cardiovascular Diseases in the Ciuc Basin (Romanian Carpathians), *Atmosphere*, 12, 289, 2021.

25) Ágnes KERESZTESI, Ion-Andrei NIȚĂ, Réka BOGA, Marius-Victor BÎRSAN, **Zsolt BODOR**, Róbert SZÉP, Spatial and long-term analysis of rainwater chemistry over the conterminous United States, *Environmental Research*, 188, 2020, 109872.
26) **Zsolt BODOR**, Katalin BODOR, Ágnes KERESZTESI, Róbert SZÉP, Major air pollutants seasonal variation analysis and long-range transport of PM_{10} in an urban environment with specific climate condition in Transylvania (Romania), *Environmental Science and Pollution Research,* 27, 2020, 38181–38199.
27) **Zsolt BODOR**, Andrea (Iuhász) FAZAKAS, Katalin BODOR, Erika KOVÁCS, Ildikó MIKLÓSSY, Beáta ALBERT, Using genome-scale model to predict the metabolic engineering impact on *Escherichia coli* metabolism during succinic acid production optimization, *Romanian Biotechnological Letters*, 25 (3), 2020, 1666-1676.
28) Ágnes KERESZTESI, Ion-Andrei NIȚĂ, Marius-Victor BÎRSAN, **Zsolt BODOR**, Róbert SZÉP, The risk of cross-border pollution and the influence of regional climate on the rainwater chemistry in the Southern Carpathians, Romania, *Environmental Science and Pollution Research*, 27, 2020, 9382–9402.
29) Ágnes KERESZTESI, Ion-Andrei NIȚĂ, Marius-Victor BÎRSAN, **Zsolt BODOR**, Tímea PERNYESZI, Róbert SZÉP, Assessing the variations in the chemical composition of rainwater and air masses using the zonal and meridional index, *Atmospheric Research*, 237, 2020, 104846.
30) Ágnes KERESZTESI, Marius-Victor BÎRSAN, Ion-Andrei NIȚĂ, **Zsolt BODOR**, Róbert SZÉP, Assessing the neutralization, wet deposition and source contributions of the precipitation chemistry over Europe during 2000-2017, *Environmental Sciences Europe*, 31:50, 2019.
31) Róbert SZÉP, **Zsolt BODOR**, Ildikó MIKLÓSSY, Ion-Andrei NIȚĂ, Oana A. OPREA, Ágnes KERESZTESI, Influence of peat fires on the rainwater chemistry in intra-mountain basins with specific atmospheric circulations (Eastern Carpathins, Romania), *Science of the Total Environment,* 647, 2019, 275-289.
32) **Zsolt BODOR**, Lehel TOMPOS, Aurelia Cristina NECHIFOR, Katalin BODOR, *In silico* analysis of 1,4-butanediol heterologous pathway impact on *Escherichia coli* metabolism, *Revista de Chimie*, 70, 10, 2019, 3448-3455.
33) Ágnes KERESZTESI, Réka BOGA, **Zsolt BODOR**, Katalin BODOR, Szende TONK, György DEÁK, Ion-Andrei NITA, The analysis of the chemical composition of

precipitation during the driest year from the last decade, *Present Environment and Sustainable Development,* 13, 1, 2019.

34) Réka BOGA, **Zsolt BODOR**, Katalin BODOR, Szende TONK, György DEÁK, Tímea PERNYESZI, Ion-Andrei NITA, The influence of evapotranspiration and wet deposition on the variations of PM_{10} concentration in the Ciuc basin, *Present Environment and Sustainable Development*, 13, 1, 2019.

35) **Zsolt BODOR**, Szabolcs LÁNYI, Beáta ALBERT, Katalin BODOR, Aurelia Cristina NECHIFOR, Ildikó MIKLÓSSY, Model driven analysis of the biosynthesis of 1,4-butanediol from renewable feedstocks in *Escherichia coli*, *Revista de Chimie,* 70, 11, 2019, 3808-3817.

36) Róbert SZÉP, Elena MATEESCU, Ion-Andrei NIȚĂ, Marius-Victor BÎRSAN, **Zsolt BODOR**, Ágnes KERESZTESI, Effects of the Eastern Carpathians on atmospheric circulations and precipitation chemistry from 2006 to 2016 at four monitoring stations (Eastern Carpathians, Romania), *Atmospheric Research*, 214, 311-328, 2018, 311-328.

37) BOTH Emese, **BODOR Zsolt**, ALBERT Beáta, Effect of microencapsulation on viability and survival in simulated gut conditions of probiotic bacteria, *Romanian Biotechnological Letters*, 23, 6, 2018.

38) Ildikó MIKLÓSSY, **Zsolt BODOR**, Réka SINKLER, Kálmán Csongor ORBÁN, Szabolcs LÁNYI, Beáta ALBERT, *In silico* and *in vivo* stability analysis of a heterologous biosynthetic pathway for 1,4-butanediol production in metabolically engineered *E. coli*, *Journal of Biomolecular Structure and Dynamics*, 35(9), 2017, 1874-1889.

39) Andrea (Iuhasz) FAZAKAS, Erika KOVÁCS, **Zsolt BODOR**, Szabolcs LÁNYI, Beáta ÁBRAHÁM, Production of chemicals with genetically modified *Escherichia coli* strains from renewable resources, *Studia Universitatis Babeş-Bolyai Seria Chemia*, LXI, 2, 2016, 35-46.

40) **Zsolt BODOR**, Andrea (Iuhasz) FAZAKAS, Erika KOVÁCS, Szabolcs LÁNYI, Beáta ALBERT, Systems biology and metabolic engineering for obtaining *E. coli* mutants capable to produce succinate from renewable resources, *Romanian Biotechnological Letters*, 19, 4, 2014, 9625-9636.

41) **Zsolt BODOR**, Andrea (Iuhasz) FAZAKAS, Erika KOVÁCS, Szabolcs LÁNYI, Beáta ÁBRAHÁM, Biotechnological production of succinic acid from glycerol; the role of co-substrates, *Studia Universitatis Babeş-Bolyai Seria Chemia*, LIX, 2, 2014, 33-50.

42) Andrea (Iuhasz) FAZAKAS, **Zsolt BODOR**, Erika KOVÁCS, Éva LASLO, Szabolcs LÁNYI, Beáta ÁBRAHÁM, Isolation of succinic acid-producing *Escherichia coli* from animal faeces, *Studia Universitatis Babeş-Bolyai Seria Chemia*, 59, Iss. 1, 2014, 177-185.

43) **Zsolt BODOR**, Csongor Kálmán ORBÁN, Ildikó MIKLÓSSY, Katalin JUHÁSZ, Beáta ÁBRAHÁM, Szabolcs LÁNYI, Heterologous expression of *Bacillus licheniformis* α-amylase in *Pichia pastoris*, *Studia Universitatis Babeş-Bolyai Seria Chemia*, LIV, Sp Iss., 2010, 9-23.

C2. Lucrări ştiinţifice publicate în reviste indexate în baze de date internaționale

1) Bodor Katalin, Szilágyi József, Szakács Orsolya, Salamon Bernadett, **Bodor Zsolt**, Classification of different types of flours available in the Romanian market based on the nutrition content" *Acta Universitatis Sapientiae, Alimentaria*, vol.16, no.1, 2023, pp.18-31. https://doi.org/10.2478/ausal-2023-0002. ((AGRICOLA (National Agricultural Library), Baidu Scholar, CABI (over 50 subsections), CNKI Scholar (China National Knowledge Infrastructure), CNPIEC, DOAJ (Directory of Open Access Journals), EBSCO (relevant databases), EBSCO Discovery Service, Genamics JournalSeek, Google Scholar, Japan Science and Technology Agency (JST), J-Gate, JournalTOCs, KESLI-NDSL (Korean National Discovery for Science Leaders), Microsoft Academic, Naviga (Softweco), Publons, Primo Central (ExLibris), ReadCube, Sherpa/RoMEO, Summon (Serials Solutions/ProQuest), TDOne (TDNet), Ulrich's Periodicals Directory/ulrichsweb, WanFang Data, WorldCat (OCLC)).
2) Katalin BODOR, **Zsolt BODOR**, Robert SZÉP, The Trend of Trace Elements (Cd, Ni, Pb) from $PM_{2.5}$ and PM_{10} Aerosols and its Effect on Human Health in Bucharest, Romania, *Revista de Chimie*, 71 (3), 2020, 433-439. (Chemical Abstracts, Current Contents, Analytical Abstracts, European Virtual Institute for Speciation Analysis (EVISA), LetPub, Boston, SCImago Journal & Country Rank, CAS - division of the American Chemical Society, Scope Database, WORLD CATALOG, Electronic Journals Library, Ghent University Library, International Committee of Medical Journal Editors (ICMJE), World Catalogue of Scientific Journals)
3) Katalin BODOR, **Zsolt BODOR**, Ágnes KERESZTESI, Róbert SZÉP, PM_{10} concentration reduction due to the wet scavenging in the Ciuc Basin, Romania, *Acta Univ. Sapientiae, Agriculture and Environment*, 12, 2020, 1-8. ((AGRICOLA (National Agricultural Library), Baidu Scholar, CABI (over 50 subsections), CNKI Scholar (China National Knowledge Infrastructure), CNPIEC, DOAJ (Directory of Open Access Journals), EBSCO (relevant databases), EBSCO Discovery Service, Genamics JournalSeek, Google Scholar, Japan Science and Technology Agency (JST), J-Gate, JournalTOCs, KESLI-NDSL (Korean

National Discovery for Science Leaders), Microsoft Academic, Naviga (Softweco), Publons, Primo Central (ExLibris), ReadCube, Sherpa/RoMEO, Summon (Serials Solutions/ProQuest), TDOne (TDNet), Ulrich's Periodicals Directory/ulrichsweb, WanFang Data, WorldCat (OCLC)).

4) Katalin BODOR, **Zsolt BODOR**, Róbert SZÉP, Alexandru SZÉP, Characterization of some bottled Romanian mineral waters on the basis of the total mineral content, *Acta Univ. Sapientiae, Alimentaria*, 13, 2020, 85-98. ((AGRICOLA (National Agricultural Library), Baidu Scholar, CABI (over 50 subsections), CNKI Scholar (China National Knowledge Infrastructure), CNPIEC, DOAJ (Directory of Open Access Journals), EBSCO (relevant databases), EBSCO Discovery Service, Genamics JournalSeek, Google Scholar, Japan Science and Technology Agency (JST), J-Gate, JournalTOCs, KESLI-NDSL (Korean National Discovery for Science Leaders), Microsoft Academic, Naviga (Softweco), Publons, Primo Central (ExLibris), ReadCube, Sherpa/RoMEO, Summon (Serials Solutions/ProQuest), TDOne (TDNet), Ulrich's Periodicals Directory/ulrichsweb, WanFang Data, WorldCat (OCLC)).
5) **Zsolt BODOR**, Andrea (Iuhasz) FAZAKAS, Szabolcs LÁNYI, Beáta ÁBRAHÁM, *In silico* modelling and metabolic engineering of *Escherichia coli* to succinic acid production, *U.P.B. Sci. Bull., Series B*, Vol. 76, Iss. 4, 2014, 59-70. **(**ISI THOMSON REUTERS, ULRICHTS INTERNATIONAL PERIODICALS DIRECTORY**,** INSPEC, SCOPUS, CAMBRIDGE SCIENTIFIC ABSTRACTS, CHEMICAL ABSTRACTS SERVICE - DIVISION OF AMERICAN CHEMICAL SOCIETY, ELSEVIER SCIENCESeS BIBLIOGRAPHIC DATABASES, METALS ABSTRACTS, ENGINEERING VILLAGE, PUBLICATION IN ENGINEERING, METADEX, COMPENDEX).
6) FAZAKAS (IUHASZ) Andrea, **BODOR Zsolt**, KOVÁCS Erika, LÁNYI Szabolcs, ÁBRAHÁM Beáta, Gene knockout using λ-Red recombination system in *Escherichia coli*, *Technical Review (Műszaki Szemle)*, nr. 63, 2014, 10-15.
7) Emese BOTH, László GYENGE, **Zsolt BODOR**, Éva GYÖRGY, Beáta ÁBRAHÁM, Szabolcs LÁNYI, Intensification of probiotic microorganisms viability by microencapsulation using ultrasonic atomizer, *U.P.B. Sci. Bull., Series B*, Vol. 74, Iss. 1, 2012, 27-32. **(**ISI THOMSON REUTERS, ULRICHTS INTERNATIONAL PERIODICALS DIRECTORY**,** INSPEC, SCOPUS, CAMBRIDGE SCIENTIFIC ABSTRACTS, CHEMICAL ABSTRACTS SERVICE - DIVISION OF AMERICAN CHEMICAL SOCIETY, ELSEVIER SCIENCESeS BIBLIOGRAPHIC DATABASES, METALS ABSTRACTS, ENGINEERING VILLAGE, PUBLICATION IN ENGINEERING, METADEX, COMPENDEX).

C3. Lucrări ştiinţifice publicate în reviste din ţară, recunoscută CNCSIS

1. MOLNOS Éva, LACZKÓ Izabella, **BODOR Zsolt**, The results of a questionnaire on the guidelines, directions and strategies in modern teaching, *Human Education Today For Tomorrow's World*, ISSN:1843-9985, în curs de publicare, 2015.
2. **Zsolt BODOR**, Izabella LACZKÓ, Éva MOLNOS, Sándor MOLNOS, Biology and chemistry courses in the "Other type of school week", *Human Education Today For Tomorrow's world*, ISSN:1843-9985, nr. 11, pp. 26-30, 2014.

C6. Lucrări ştiinţifice publicate în volumele manifestărilor ştiinţifice

1. Deák György, Abdulhusein Jawdhari, Elena Holban, Isabela Sadîca, George Cucu, Sorin Stegărescu, Grigore Gheorghe, **Bodor Zsolt**, Comparative Study Between Chloroquine Sulphate and Copper Sulfate in Aquaculture at Low Dosages, *Environmental and Earth Sciences Proceedings*, 2025, 33, no. 1: 2. https://doi.org/10.3390/eesp2025033002.

2) Bartos Hunor, **Zsolt Bodor**, Ágnes Keresztesi, George Gârbacea, Deak György, Matei Monica, Lucian Laslo, Madalina Boboc, H Elena, Róbert Szép, Advances in Beehive Monitoring Systems: Low-Cost Integrating Sensor Technology for Improved Apiculture Management, *E3S Web of Conferences*, 589, 2024.
3) Attila Czont, **Zsolt Bodor**, Ildikó Miklóssy, Positional profiling feasibility of U18 ice-hockey players based on anthropometry and aerobic capacity, *Proceedings of the 1st International Summit Conference on Exercise Science, Sports Management, Outdoor Recreation, and Physical Education, ExSPORT*, pp.148-150, 2024
4) **BODOR Zsolt**, KUZMAN-Ildikó Hajnalka, BOTH-Fodor Márta, BARTOS Hunor, Lányi Szabolcs, Miklóssy Ildikó, *In silico* modeling and evaluation of *Basfia succiniciproducens* for 1,4-butanediol production from renewable resources, MATHMODEL'17, Mathematical modeling technological and socio-economic processes, Proceedings, ISSUE 1/2017, 2017, 133.
5) **BODOR Zsolt**, KUZMAN-Ildikó Hajnalka, BOTH-FODOR Márta, LÁNYI Szabolcs, MIKLÓSSY Ildikó, FBA-based metabolic engineering of *Basfia succiniciproducens* for production of high-added value compounds, ECBS

2017 *5th European Chemical Biology Symposium, Program & Book of Abstracts*, ISBN: 978-963-9970-75-5, 52, 2017.

6) Éva LASLÓ, Éva GYÖRGY, Éva TAMÁS, **Zsolt BODOR**, Szabolcs LÁNYI, Effect of beneficial bacterial strains isolated from wild plant roots and rhizosphere on the seed germination and plant growth of cultivated crops, Agrisafe Final Conference, Climate change: challenges and opportunities in agriculture, ISBN: 978-963-8351-37-1, 250-254, 2011.

E. Editare, coordonare de volume

1) Educația omului de azi pentru lumea de mâine (Human education today for tomorrow's world) - **ISSN 1843-9985,** 2015-2018.

F. Brevete de invenții și alte titluri de proprietate

1) "TULPINĂ DE BACILLUS SP. SZE 102A UTILIZATĂ ÎN PROCESUL DE ÎNSILOZARE A PLANTELOR FURAJERE", Nr. 130921, 30.12.2019, SC. CORAX BIONER CEU SA.
2) "TULPINĂ DE BACILLUS SP. SZX 102 UTILIZATĂ ÎN PROCESUL DE ÎNSILOZARE A PLANTELOR FURAJERE", Nr. 130922, 30.12.2019, SC. CORAX BIONER CEU SA.
3) "TULPINĂ DE LACTOBACILLUS PLANTARUM SUBSP. PLANTARUM UTILIZATĂ ÎN PROCESUL DE ÎNSILOZARE A PLANTELOR FURAJERE", Nr. 130894, 29.03.2019, SC. CORAX BIONER CEU SA.

G. Contracte de cercetare (menţionaţi calitatea de director sau membru)

Granturi, proiecte de cercetare	Funcția	Perioada	Volumul finanțării
ADER: Studiul modificării fenologiei culturilor de cartof în zonele montane în contextul schimbărilor climatice. Contract 5.1.5/17.07.2023	Director proiect	2023-	1.100.000 RON
ADER: Studii privind variaţia spaţio-temporală a chimismului precipitaţiilor	Cercetător	2023-	1.100.000 RON

din Carpaţi şi aportul ionic asupra pajiştilor montane. Contract 23.1.2/14.07.2023			
ADER: Monitorizarea stării de conservare a biodiversității vegetale din agroecosistemele zonelor umede la nivel național, cuprinse în măsura GAEC 2-Planul National Strategic-. Contract 23.1.5/13.07.2023	Cercetător	2023-	1.200.000 RON
Universitatea Sapientia: Institutul Programelor de Cercetare al Fundaţiei Sapientia, "Caracterizarea chimiei și biologiei cețiii și precipitațiilor în cazul bazinelor închise, determinarea aspectelor de sănătate publică și analiza calității aerului interior", IPC: 14/2/12.04.2022; Univ. Sapientia: 188/1/12.04.2022	Director proiect	2022-2023	49.400 RON
Dezvoltarea unei tehnologii de producţie de anticorpi monoclonali, POC, SMIS 121101	Cercetător științific gr II	2021-2023	16.000.000 RON
HEAlthy Life ALLiance for Health Tourism Education Development and Reorganisation –HealAll, nr. contract de finanțare: 2020-1-HU01-KA203-078799, Erasmus+KA2 Parteneriate strategice.	Membru	2020-2023	86.855 EUR
HORIZON 2020, ISGlobal, IRSICAIXA, InSPIRES "Ingenious Science shops to promote Participatory Innovation, Research and Equity in Science", Grant Agreement number 741677, 20-009	Director proiect	2020-2021	20.000 EUR
SPARKS - Rethinking innovation together, Horizon2020. Grant Agreement number: 665825, 2017-2018	Cercetător/specialist	2017-2018	60000 EUR

Universitatea Sapientia: Institutul Programelor de Cercetare al Fundaţiei Sapientia, „Analiza căilor metabolice in Basfia succiniciproducens şi utilizarea metodelor ingineriei metabolice pentru biosinteza composilor cu valoare adăugată”, IPC:13/12/17.05.2017; Univ. Sapientia: 227/2/17.05.2017	Cercetător/specialist	2017-2018	45.000 RON
Universitatea Sapientia: Institutul Programelor de Cercetare al Fundaţiei Sapientia, „Biosinteza unor compuşi chimici cu valoare adăugată prin metode moderne de inginerie metabolică”, Nr. contract de finanţare, 12/22/28.04.2015	Cercetător/specialist	2015-2016	40.500 RON
Programul PNCDI, PN-II-PT-PCCA-2013-4, Ingineria metabolică la Escherichia coli pentru obţinerea 1,4-butandiolului din glucoză şi glicerină şi conversia catalitică a acestuia la compuşi cu valoare adăugată-METABCHEM Nr. Contract: 44/2014	Cercetător/ specialist Conducător de proiect	2014-2017 2016-2017	1.250.000 RON
Programul 4 PNCDI2/ Controlul funcţiilor celulelor dendritice cu semnale anti-inflamatoare şi de moarte celulară-DCFANS, ctr. Nr. 119/2014	Cercetător/specialist	2014-2016	1.248.720 RON
Programul POS CCE/ O.211 Biopreparate microbiene pentru creşterea calitatii furajelor insilozate-SILOPREP, ctr. Nr. 565/09.09.2013, ctr. Part. 416.4/05.08.2013	Asistent de cercetare in biochimie tehnologica-211309	2013-2015	4.739.000 RON
Programul PNII/ PCCA 2/Synthesis of some C4, C5 carboxilic acid building	Cercetător/specialist	2012-2016	800.000 RON

block chemicals from renewable biomass resources-BIOBUILD, nr. Ctr. 31/2012			

II. RECUNOAȘTEREA

I. Premii, distincţii

2019 - Placă din cristal pentru rezultatele științifice de excepție, SGEM, Bulgaria
2017-2018, 2022,2023 - Bursă pentru tinerii profesori maghiari dincolo de granițe, Ungaria
2012 - Asociația de Dezvoltare Intercomunitară Harghita, Tineri Cercetători Esența Dezvoltării, România
2011- 2014 POSDRU/107/1.5/S/76903, România
2011-2014 Programul Collegium Talentum, Ungaria
2011- Dr. Verestóy Attila, Tineri cercetători, România

J. Citări

951 citări, https://scholar.google.com/citations?user=gp3pc-IAAAAJ&hl=en

H-index 14

Data,
Semnătura,
15.10.2026