

LISTA DE LUCRĂRI

I. TEZA DE DOCTORAT

Uscarea biomaterialelor pulverulente prin procedee intensive, 22 februarie 2008, Universitatea Politehnica din București, coordonator Prof. Emerit dr. ing. Jinescu Gheorghita

II. CĂRȚI PUBLICATE (C) – nu

III. ALTE MATERIALE PUBLICATE (I, D)

1. Stroescu, M., **Isopencu, G.**, Busuioc, C., Stoica-Guzun, A. (2018). *Antimicrobial Food Pads Containing Bacterial Cellulose and Polysaccharides*. In: Mondal, M. (eds) *Cellulose-Based Superabsorbent Hydrogels. Polymers and Polymeric Composites: A Reference Series*. Springer, Cham., p. 1303-1338, Print ISBN 978-3-319-76573-0, https://doi.org/10.1007/978-3-319-76573-0_3-1

2. Parvulescu, O.C., **Isopencu, G.**, Busuioc, C., Raducanu, C., Mocanu, A., Deleanu, I., Stoica-Guzun, A., (2021) **17** - *Antimicrobial bacterial cellulose composites as textile materials*, Editor(s): Md. Ibrahim H. Mondal, In the Textile Institute Book Series, *Antimicrobial Textiles from Natural Resources*, Woodhead Publishing, p. 513-556, ISBN 9780128214855, <https://doi.org/10.1016/B978-0-12-821485-5.00013-5>.

IV. ARTICOLE / STUDII IN EXTENSO PUBLICATE (R, V)

Ris. Reviste de specialitate de circulație internațională recunoscute (cotate / indexate ISI Thomson Reuters, sau indexate in alte Baze de Date Internationale - BDI specifice domeniului, care fac un proces de selectie a revistelor pe baza unor criterii de performanta). *Se mentioneaza la fiecare lucrare includerea in Baza ISI [Accession Number, WOS=....., ultimul Factor Impact, ISSN] si/sau denumirea altei (altor) BDI.*

Ris 1. Gogulancea V., **Isopencu G.**, Ferdeș M., Ofițeru I.D., Lavric V. (2015) *Dynamics of Escherichia Coli Population Expressing Heterologous Proteins*, University Politehnica of Bucharest Scientific Bulletin , 1, p. 87-94, COD CNCSIS 52, Categoria “B+”, ISSN 1454-2331. (IF=0.07 in 2021)

Ris 2. Stroescu, M., Stoica-Guzun, A., **Isopencu, G.**, Jinga, S. I., Parvulescu, O., Dobre, T., Vasilescu, M. (2015) *Chitosan-vanillin composites with antimicrobial properties*, Food Hydrocolloids, 48, p. 62-71, WOS:000352697700008, ISSN: 0268-005X, DOI:10.1016/j.foodhyd.2015.02.008 (IF=11.504 in 2021)

Ris 3. Juncu, G., Stoica-Guzun, A., Stroescu, M., **Isopencu G.**, Jinga, S.I. (2016) *Drug release kinetics from carboxymethylcellulose-bacterial cellulose composite films*, International Journal Of Pharmaceutics, 510 nr. 2, p. 485-492, WOS:000380754500010, ISSN 0378-5173, DOI: 10.1016/j.ijpharm.2015.11.053 (IF=6.51 in 2021)

Ris 4. **Isopencu, G.**, Marfa, M., Jipa, I., Stroescu, M., Stoica-Guzun, A., Chira, N., Popescu, M. (2017) *Optimisation of the Oil Extraction from Nigella Sativa Seeds Using Response Surface Methodology*, Revista de Chimie, 68, nr. 2, p. 331-336, WOS:000397043100029, ISSN 0034-7752, (IF=1,755 in 2019).

- Ris 5.** Isopencu, G., Mares, A. M., Jinescu, G. (2017) *Energy and Exergy Studies for Different Intensifying Processes of Malt Drying*, Revista de Chimie, 68, nr.6, p. 1274-1280, WOS:000408702900026, ISSN 0034-7752, (IF=1,755 in 2019).
- Ris 6.** Isopescu, R.D, Josceanu, A.M, Minca, I.I, **Isopencu, G.**, (2018) *Optimised Pu-erh Tea Infusion by Experimental Design and Response Surface Methodology*, Revista de Chimie, 69, 2 310-317, WOS:000427327700005, ISSN 0034-7752, (IF=1,755 in 2019).
- Ris 7.** Banu, I., Ganea, R., Vasilievici, G., Anghel, A., Gogulancea, V., **Isopencu, G.**, Bozga, G. (2018) *An Evaluation of Published Kinetic Models for Vapor Phase Methanol Conversion to Dimethyl Ether over the H-ZSM-5 Catalyst*, Energy & Fuels, 32 nr. 8, p. 8689-8699, WOS:000442448300070, ISSN 0887-0624, DOI: 10.1021/acs.energyfuels.8b01839 (IF=4.654 in 2021)
- Ris 8.** Nichitoi, M.M., Josceanu, A.M., Isopescu, R.D., **Isopencu, G.**, Lavric, V. (2019) *Romanian propolis extracts: Characterization and statistical analysis and modelling*, U.P.B. Sci. Bull., Series B, 81 nr. 4, WOS:000501994100014, ISSN 1454-2331 (IF=0.07 in 2021)
- Ris 9.** Mocanu, A., Rusen, E., Diacon, A., **Isopencu, G.**, Mustătea, G., Șomoghi, R., Dinescu, A. (2019) *Antimicrobial properties of polysulfone membranes modified with carbon nanofibers and silver nanoparticles*, Materials Chemistry and Physics, 223, 39-45, WOS:000456902400006, ISSN 0254-0584, DOI: 10.1016/j.matchemphys.2018.10.002 (IF=4.778 in 2021)
- Ris 10.** **Isopencu, G.**, Stroescu, M., Brosteanu, A., Chira, N., Pârvulescu, O.C., Busuioc C., Stoica-Guzun, A. (2019) *Optimization of ultrasound and microwave assisted oil extraction from sea buckthorn seeds by response surface methodology*. J Food Process Eng., 42, nr. 1, art no: e12947, WOS:000457767600016, ISSN 0145-8876, DOI: 10.1111/jfpe.12947, (IF=2.889 in 2021)
- Ris 11.** Oprescu O.E., Enascuta C.E., Galan A.M., Bombos M., Vasilievici G., **Isopencu G.**, Lavric V., Velea S. (2019) *Evaluation of Porphyridium purpureum and Nannochloropsis sp. For carbohydrates and lipids production*, Revista de Chimie, 70, nr. 9 p. 3305-3308, WOS:000489958900046, ISSN 0034-7752, DOI: doi.org/10.37358/RC.19.9.7539, (IF=1,755 in 2019).
- Ris 12.** Mocanu A., **Isopencu, G.**[@], Busuioc, C., Popa O.M., Dietrich, P., Socaciu-Siebert, L. (2019) *Bacterial cellulose flms with ZnO nanoparticles and propolis extracts: Synergistic antimicrobial efect*, Scientific Reports, 9, art. nr. 17687, WOS:000499201400001, ISSN 2045-2322, <https://doi.org/10.1038/s41598-019-54118-w>, (IF=4.997 in 2019).
- Ris 13.** Dincă, V., Mocanu, A., **Isopencu, G.**¹, Busuioc, C., Brajnicov, S., Vlad, A., Icriverzi, M., Roseanu, A., Dinescu, M., Stroescu, M., Stoica-Guzun, A., Sucheana, M. (2020) *Biocompatible pure ZnO nanoparticles-3D bacterial cellulose bionterfaces with antibacterial properties*, Arabian Journal of Chemistry, 13, nr. 1, p. 3521-3533, WOS:000505076000276, ISSN 1878-5352, DOI 10.1016/j.arabjc.2018.12.003, (IF=6.212 in 2021).
- Ris 14.** Prefac, G.-A., Milea, M.-L., Vadureanu, A.-M., Muraru, S., Dobrin, D.-I., **Isopencu, G.-O.** Jinga, S.-I., Raileanu, M., Bacalum, M., Busuioc, C. (2020) *CeO2 Containing Thin Films as Bioactive Coatings for Orthopaedic Implants*. Coatings. 10 nr. 7, art nr. 642, WOS:000554224200001, e ISSN 2079-6412, doi: 10.3390/coatings10070642, (IF=3.236 in 2021).
- Ris 15.** Nichitoi, M.M., Josceanu, A.M., Isopescu, R.D., **Isopencu, G.O.**[@], Geana, E.I., Ciucure, C.T., Lavric, V. (2021) *Polyphenolics profile effects upon the antioxidant and antimicrobial activity of propolis extracts*, Scientific Reports, 11 nr. 1, WOS:000706395800043, ISSN 2045-2322, DOI 10.1038/s41598-021-97130-9, (IF=4.997 in 2021).
- Ris 16.** **Isopencu G.O.**, Stoica-Guzun A., Busuioc C., Stroescu M., Deleanu I.M. (2021) *Development of antioxidant and antimicrobial edible coatings incorporating bacterial cellulose, pectin, and blackberry pomace*, Carbohydrate Polymer Technologies and Applications, 2, art. nr. 100057, WOS:000821573700037, <https://doi.org/10.1016/j.carpta.2021.100057>, (IF=0 in 2021).

- Ris 17.** Popescu M., Iancu P., Plesu V., Todasca M.C., **Isopencu G.O.**, Bildea C.S. (2022) *Valuable natural antioxidant products recovered from tomatoes by green extraction*, *Molecules*, 27, nr. 13, art. nr. 4191, WOS:000825633900001, e ISSN 1420-3049, DOI: 10.3390/molecules27134191, (IF=4.927 in 2021).
- Ris 18.** **Isopencu G.**, Mocanu A. (2022) *Recent Advances in Antibacterial Composite Coatings*. *Coatings* 12 nr. 10, art. nr. 1504. WOS:000872766500001, e ISSN 2079-6412, DOI: 10.3390/coatings12101504, (IF=3.236 in 2021).
- Ris 19.** **Isopencu G.**, Eftimie M, Melinescu A, Dancila A.M, Mares M. (2022) *Recycling of Glass Waste by Deposition of TiO₂ for the Intensification of the Photocatalytic Effect in the Purification of Wastewater*. *Coatings*. 12 nr. 11, art. nr.1794. WOS:000894887600001, eISSN 2079-6412, DOI: 10.3390/coatings12111794, (IF=3.236 in 2021).
- Ris 20.** **Isopencu G.O.**, Mocanu A., Deleanu I-M. (2022) *A Brief Review of Photocatalytic Reactors Used for Persistent Pesticides Degradation*. *ChemEngineering*. 6 nr. 6, art. nr. 89. WOS:000900677100001, eISSN 2305-7084, DOI: 10.3390/chemengineering6060089, (IF=0.39 in 2021).
- Ris 21.** Busuioc C, **Isopencu G.**, Banciu A, Banciu D-D, Oprea O, Mocanu A, Deleanu I, Zăuleț M, Popescu L, Tănăsuică R, Vasilescu M, Stoica-Guzun A.(2022) *Bacterial Cellulose Hybrid Composites with Calcium Phosphate for Bone Tissue Regeneration*. *International Journal of Molecular Sciences*. 23 nr. 24, art. nr. 16180, WOS:000902535300001, eISSN 1422-0067, DOI: 10.3390/ijms232416180, (IF=6.208 in 2021).
- Ris 22.** Nichitoi M.M., Josceanu A.M., Isopescu R.D., **Isopencu G.O.**®, Geana E.I, Ciucure C.T., Lavric V. (2023) *Do ultrasonic field effects upon the polyphenolics profile of propolis extracts improve their antioxidant and antimicrobial activity?* *Ultrasonics Sonochemistry*, 92, art. nr. 106274, WOS:000911315500001, ISSN 1350-4177, [10.1016/j.ultsonch.2022.106274](https://doi.org/10.1016/j.ultsonch.2022.106274), (IF=9.336 in 2021).
- Ris 23.** **Isopencu G.**, Deleanu I., Busuioc C., Oprea O., Surdu V-A., Bacalum M., Stoica R., Stoica-Guzun A. (2023) *Bacterial Cellulose—Carboxymethylcellulose Composite Loaded with Turmeric Extract for Antimicrobial Wound Dressing Applications*. *International Journal of Molecular Sciences*, 24, nr. 2, art. nr. 1719, WOS:000915281200001, eISSN 1422-0067, DOI: 10.3390/ijms24021719, (IF=6.208 in 2021).
- Ris 24.** Busuioc C., **Isopencu G.O.**, Deleanu I-M. (2023) *Bacterial Cellulose–Polyvinyl Alcohol Based Complex Composites for Controlled Drug Release*. *Applied Sciences*. 13, nr. 2, art. nr. 1015, WOS:000914322500001, e ISSN 2076-3417, <https://doi.org/10.3390/app13021015>, (IF=2.838 in 2021).
- Ris 25.** Deaconu M., Prelicean A-M., Brezoiu A-M., Mitran R-A., **Isopencu G.**, Matei C., Berger D. (2023) *Novel Collagen-Polyphenols-Loaded Silica Composites for Topical Application*. *Pharmaceutics* 15 nr. 2, art. nr. 312. WOS:000940774300001, e ISSN 1999-4923, <https://doi.org/10.3390/pharmaceutics15020312>, (IF=6.525 in 2021).
- Ris 26.** Matei P.L., Deleanu I., Brezoiu A.M., Chira N.A., Busuioc C., **Isopencu G.**, Cîlțea-Udrescu M, Alexandrescu E., Stoica-Guzun A. (2023) *Ultrasound-Assisted Extraction of Blackberry Seed Oil: Optimization and Oil Characterization*. *Molecules*, 28nr. 6, art. nr. 2486. WOS:000957665900001, e ISSN 1420-3049, <https://doi.org/10.3390/molecules28062486>, (IF=4.927 in 2021).
- Ris 27.** Rusen, E., **Isopencu, G.**, Toader, G. Diacon A., Dinescu A., Mocanu A. (2023) *Improved degradability and mechanical properties of bacterial cellulose grafted with PEG derivatives*. *Cellulose* 30, nr. 7, p. 4293-4314, WOS:000964388200002, ISSN 0969-0239, <https://doi.org/10.1007/s10570-023-05163-2>, (IF=6.123 in 2021).
- Ris 28.** **Isopencu, GO**, Covaliu-Mierla, CI, Deleanu, IM, (2023) *From Plants to Wound Dressing and Transdermal Delivery of Bioactive Compound*, *PLANTS-BASEL* 12 nr 14, pag.2661, WOS:001036515900001, DOI 10.3390/plants12142661

- Ris 29.** Plocon, C; Evanghelidis, A; Enculescu, M; **Isopencu, G**; Oprea, O; Bacalum, M; Raileanu, M; Jinga, S; Busuioc, C., (2023) Development and Characterization of Electrospun Composites Built on Polycaprolactone and Cerium-Containing Phases, INT J MOL SCI, 24, nr. 18, 10.3390/ijms241814201
- Ris 30.** Trandas, AN; Trifan, A; Ungureanu, AD; Dusciuc, A; Opris, M; Milea, OC; Banciu, A; Constantinoiu, I; Busuioc, C; **Isopencu, GO.**, (2023) Properties of europium and silver doped bioglass thin films obtained by two deposition methods: Biointerfaces for bioinert implants, MATER CHEM PHYS, 39, 10.1016/j.matchemphys.2023.128396
- Ris 31.** Lavric, R; Vreme, C; Busuioc, C; **Isopencu, GO**; Nicoara, AI; Oprea, OC; Banciu, DD; Constantinoiu, I; Musat, AMR, (2023), The Effect of Silver and Samarium on the Properties of Bioglass Coatings Produced by Pulsed Laser Deposition and Spin Coating, J FUNCT BIOMATER, 14, nr. 12, 10.3390/jfb14120560
- Ris 32.** Olteanu, AM; Nicoara, AI; Surdu, VA; **Isopencu, GO**; Banciu, DD; Jinga, SI; Busuioc, C; Constantinoiu, I (2024) Antibacterial activity of tin-doped zinc oxide thin films deposited by laser ablation, CERAM INT, 50, nr.2, 10.1016/j.ceramint.2023.11.098
- Ris 33.** Musat, AMR; Nechita, R; Oprea, ND; Sprinceana, AE; **Isopencu, GO**; Banciu, A; Jinga, SI; Busuioc, C, (2024), Cerium and silver co-substituted bioglass coatings deposited by laser ablation for improving the behaviour of bioinert implants, MATER LETT, 365, 10.1016/j.matlet.2024.136439
- Ris 34.** Khikani, M; **Isopencu, GO**; Deleanu, IM; Jinga, SI; Busuioc, C (2024) Green Synthesis of Nanoparticle-Loaded Bacterial Cellulose Membranes with Antibacterial Properties, J COMPOS SCI, 8, nr.11., 10.3390/jcs8110475
- Ris 35.** Dobre, T; **Isopencu, GO**; Ahmed, SB; Deleanu, IM, (2024) Heavy Metal Pollution and Solutions for Its Control: General Aspects with a Focus on Cobalt Removal and Recovery from Aqueous Systems, CHEMENGINEERING, 8, nr. 6, 10.3390/chemengineering8060118
- Ris 36.** Deleanu, IM; Busuioc, C; Deleanu, M; Stoica-Guzun, A; Rotaru, M; Stefan, VA; **Isopencu, G@**, (2024), Antimicrobial Carboxymethyl Cellulose-Bacterial Cellulose Composites Loaded with Green Synthesized ZnO and Ag Nanoparticles for Food Packaging, INT J MOL SCI, 25, nr 23, 10.3390/ijms252312890

Vis- Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate, indexate ISI Thomson Reuters sau indexate în alte Baze de Date Internationale - BDI specifice domeniului, care fac un proces de selecție a publicațiilor pe baza unor criterii de performanță. *Se menționează la fiecare lucrare includerea în Baza ISI [ISI Proceedings, Accession Number, WOS=....., ISSN] și/sau denumirea altei (altor) BDI.*

Vis 1. Oprescu E., C. Enascuta C., Galan A., Radu A., Isopencu G., Lavric V. (2019) *Extraction of valuable compounds from microalgal biomass. Operating conditions and yield*, Journal of Biotechnology, Volume 305, Supplement, 2019, Page S39, WOS:000491118400121, ISSN 0168-1656, <https://doi.org/10.1016/j.jbiotec.2019.05.139>. (IF=3.595 in 2021)

Vn - Volumele unor manifestări științifice naționale.

Vn1. Panturu E., Radulescu R., Jinescu C., **Isopencu G.**, Filcenco-Olteanu A., Jinescu G. *The radioactive polluted soils decontamination using the ultrasound field*, Conferința: Cercetarea de Excelență - premiza favorabilă pentru dezvoltarea spațiului românesc de cercetare, 24 - 26 octombrie 2007, Brasov, Romania, CD.

V. BREVETE DE INVENȚIE / INOVAȚII (B, A) – nu

VI. CONTRACTE ȘI RAPOARTE ȘTIINȚIFICE (P,F)

Membru în echipă:

- Pn 1.** *Dynamics of Escherichia Coli population transformed to express archeal heterologous protein S layer*, nr. 60/30.04.2013, nr. UPB CH45-13-01
- Pn 2.** *Ultra adsorbent biopolymer materials with agricultural application - SABIOM*, nr. 114/2012, nr. UPB CH45-12-01
- Pn 3.** *Spume ceramice din nanocompozite polimerice, destinate depoluării fluxurilor gazoase din centralele termice*, CNMP – parteneriat, 2008-2011.
- Pn 4.** *Fenomene de transfer la termoprosesarea in strat strapuns a biomaterialelor cu mentinerea proprietatilor biochimice*, Grant CNCISIS, nr. UPB: CH 45-06-14, faza 2006, 2007.
- Pn 5.** *Reabilitarea solului prin procedee intensive din zonele de exploatare si prelucrare a minereurilor radioactive in conditiile producerii de catastrofe naturale sau accidente antropice*, nr. 57.2005, nr. UPB: 48-05-17, faza I/2005, faza II/2006, faza III/2007.
- Pn 6.** *Procedee intensive de procesare a biomaterialelor*, nr. UPB: 48-06-21, M III, CEEX, faza I/2006, faza II/2007.
- Pn 7.** *Dezvoltarea parteneriatului stiintific in domeniul sintezei si utilizarii nanomaterialelor in tehnologii neconventionale de decontaminare a apelor poluate*, nr. UPB: 48-06-19, M III, CEEX, faza I/2006, faza II/2007
- Pn 8.** *Reducerea consumului de energie la uscarea in strat fluidizat modificat a biomaterialelor, Studiul experimental privind hidrodinamica sistemului bifazic*, nr. UPB: 45-04-27/Faza 2004, Cod 1419, 2004. nr. UPB: 45-05-12/Faza 2005, Cod 1419, 2005 CNCISIS-Ministerul Educatiei si Cercetarii.
- Pn 9.** *Realizarea de sisteme microporoase ceramice pentru purificarea apei utilizate in operatiile petroliere*, nr. UPB. 48-01-22, Contract RELANSIN, C.C.M.M.M..S.A. 2001.
- Pn 10.** *Testarea termica si aerodinamica a noului tip de teava cu aripioare "GRIRO" in vederea introducerii ei in fabricatia racitoarelor cu aer*, nr. UPB. 48-01-14, Contract RELANSIN, S.C. IPROCHIM S.A., 2001.
- Pn 11.** *Intensificarea procedeeilor de tratare a reziduurilor poluante din industria chimica prin tehnica fluidizarii bi si tri-fazice*, nr. UPB: 48-01-29, Ministerul Educatiei si Cercetarii, 2001, 2002, 2003.
- Pn 12.** *Valorificarea deseurilor agroalimentare ca material adsorbant pentru faza de separare – purificare a instalatiilor tehnologice din industriile de proces si tratarea efluentilor industriali*, nr. UPB 48-20-12/2000, ANSTI, 2000.
- Pn 13.** *Modelarea matematică a procesului de coroziune în crevasa tub-placă tubulara*, nr. UPB 48-20-07/2000, Regia autonoma pentru activitati nucleare sucursala cercetari nucleare, Pitesti.
- Pn 14.** *Elaborarea modelului matematic al hidrodinamicii stratului fluidizat pentru gazeificarea biomasei lemnoase*, nr. UPB 48-20-06/2000, ICPET CERCETARE-S.A., 2000.
- Pn 15.** *Studiu de termo si xerodegradabilitate a biomaterialelor in procese termice de prelucrare*, cod CNCISIS 1259, nr. UPB 48-20-16/2000, Ministerul Educatiei Nationale, 2000.

Director de proiect:

- Pn 16.** *Studiul proceselor de transfer la uscarea nutrietilor alimentari prin procedee intensive*, nr UPB 48-01-25, Faza 2001, 2002, Cod CNCISIS 191, Ministerul Educatiei si Cercetarii, 2001, 2002.
- Pn 17.** *Dinamica populatiei mixte bacteriene de Lactobacillus sp. și E.coli în condiții variabile de co-cultivare – evidențierea scalelor de timp*, GEX 2016, nr. Contr. 69/26.09.2016, cod UPB 520

F – Alte lucrări de cercetare – dezvoltare

Obs.-a se menționa calitatea de responsabil/director sau coautor.

VII. COMUNICĂRI ȘTIINȚIFICE NEPUBLICATE (E)

E – Lucrări prezentate la diferite seminarii/expoziții, conferințe, etc.

Internațională

- E1. Isopencu G.**, Purcarea, C., Tanase, I.A., Lavric V., *Dynamics of Native and Transformed Escherichia coli Strain in a Fed-batch Bioreactor*, 19th Romanian International Conference on Chemistry and Chemical Engineering, RICCE 2015, Sibiu, S4 –PO82, 2015
- E2.** Tanase, I.A., Gogulancea, V., Isopencu G., Lavric V., *Kinetic Analysis of the Native and Transformed E. coli Strain Cultivation in a Fed-batch Bioreactor*, 19th Romanian International Conference on Chemistry and Chemical Engineering, RICCE 2015, Sibiu, S4 –PO84, 2015
- E3. Isopencu G.**, Mares A.M., Vasilescu P., Jinescu G., *The fine suspension and emulsions separation by flotation*, Conference Proceedings, CISA 2016, Bacau, 2016
- E4. Isopencu G.**, Mares A.M., Jinescu G., Vasilescu P., *Orange peel exploitation as essential oil*, Conference Proceedings, CISA 2016, Bacau, 2016
- E5.** Stoica-Guzun, A., Stroescu M., **Isopencu, G.**, Jipa, I., *Vanillin Extract Used as Active Compound in Packaging Films*, International Conference Aromatic and Medicinal Herbs in Food, 15-16th June, 2016, Bucharest, Romania
- E6.** Stroescu M., Stoica-Guzun A., Buturuga A., Mocanu A., **Isopencu G.**, *Absorbent Food Pads Containing Bacterial Cellulose*, SICHEM 2016, 8-9 Septembrie 2016, Bucharest
- E7. Isopencu G.**, Gogulancea V., Banu I., Lavric V., *Experimental dynamics of Lactobacillus sp. and E. coli strains co-culture*, 20th Romanian International Conference on Chemistry and Chemical Engineering, RICCE 2017, Poiana Brasov 6-9 September, S4 –4, 2017
- E8.** Mocanu A., **Isopencu G.**, Busuioc C., Stroescu M., Stoica-Guzun A. *Antimicrobial activity of bacterial cellulose-zinc oxide composites containing propolis extracts*, 20th Romanian International Conference on Chemistry and Chemical Engineering, RICCE 2017, Poiana Brasov 6-9 September, S4 –289, 2017
- E9.** Răducanu, C.E., Jipa, I., **Isopencu, G.**, Stoica- Guzun, A., *Hybrid bacterial cellulose composites for environmental protection*, POLCOM 2018 - International Conference on Technologies for Polymeric and Composite Products November 1, 2018, Bucharest, Romania
- E10.** Mocanu A., Rusen E, Diacon A, **Isopencu G**, Mustătea G, Șomoghi R, Dinescu A. – *Antimicrobial properties of polysulfone membranes modified with carbon nanofibers and silver nanoparticles – Poster 24-25 October 2019, World Congress on Chemistry, Valencia, Spain*