Lista publicații

Numele și prenumele: Gyenge László

A. Teza de doctorat

Development of a mesophilic biogas production technology from by-products of corn ethanol industry. (Elaborarea unei tehnologii de producere mezofilă a biogazului din borhot de porumb), 2014, conducătorii: Dr. Lányi Szabolcs, Dr. Ráduly Botond, Universitatea Politehnică din București, Facultatea de Chimie Aplicată și Știința Materialelor. Calificativul obținut: Doctor in domeniul inginerie chimică.

C. Lucrări științifice publicate

C1. Lucrări științifice publicate în reviste cotate ISI

1. C. M. Seidel, S. Brethauer, **L. Gyenge**, P. R. von Rohr & M. H. Studer. "Two-stage steam explosion pretreatment of softwood with 2-naphthol as carbocation scavenger" in *Biotechnology for biofuels*, 12(37),1-12, ISSN: 1754-6834, 2019. (5-year Impact Factor: 6.343).

2. **L. Gyenge**, S. Crognale, S. R. Stazi, Sz. Lányi, B. Ábrahám, & B. Ráduly, "Biogas production from corn bioethanol whole stillage: evaluation of two different inocula", in *Environmental Engineering and Management Journal*, 17(5), 1021-1028, ISSN: 1582-9596, 2018. (Impact Factor: 1.334).

3. B. Ráduly, **L. Gyenge**, S. Szilveszter, A. Kedves, & S. Crognale, "Treatment of corn ethanol distillery wastewater using two-stage anaerobic digestion", in *Water Science and Technology*, 74(2), 431-437, ISSN: 0273-1223, 2016. (Impact Factor: 1.247).

4. **L. Gyenge**, B. Ráduly, S. Crognale, Sz. Lányi & B. Ábrahám, "Cultivating conditions optimization of the anaerobic digestion of corn ethanol distillery residuals using response surface methodology", in *Central European Journal of Chemistry*, 12(8), 868-876, ISSN 1895-1066; 2014. (Impact Factor: 1.329).

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

1. B. Ráduly, **L. Gyenge**, S. Szilveszter, A. Kedves, & S. Crognale, "Treatment of corn ethanol distillery wastewater using two-stage anaerobic digestion", in *Water Science and Technology*, *74*(2), 431-437, 2016.

2. **L. Gyenge**, B. Ráduly, S. Crognale, Sz. Lányi & B. Ábrahám, "Cultivating conditions optimization of the anaerobic digestion of corn ethanol distillery residuals using response surface methodology", in *Central European Journal of Chemistry*, 12(8), 868-876, ISSN 1895-1066; 2014. (Impact Factor: 1.329).

3. **L. Gyenge**, S. Crognale, S. R. Stazi, Sz. Lányi, B. Ábrahám, & B. Ráduly, "Biogas production from corn bioethanol whole stillage: evaluation of two different inocula", in *Environmental Engineering and Management Journal*, 17(5), 1021-1028, ISSN: 1582-9596, 2018. (Impact Factor: 1.334).

4. **L. Gyenge**, B. Ráduly, R. Barrena, X. Font, Sz. Lányi and B. Ábrahám, "Efficiency of biogas production from corn bioethanol by-products using different inocula", in *IEEE Xplore*, pp. 1-6, ISBN 978-1-4673-5554-4, 2013.

C3. Lucrări științifice publicate în reviste din țară, recunoscute CNCSIS (altele decât cele din baze de date internaționale).

1. **L. Gyenge**, S. Crognale, Sz. Lányi, B. Ábrahám and B. Ráduly, "Anaerobic digestion of corn-DDGS: effect of pH-control, agitation and batch repetition", in *The Scientific Bulletin, Series B: Chemistry and Materials Science*, vol. 76, no. 1, ISSN 1454-2331, 2014.

2. **L. Gyenge**, E. Jakab, E. Kelemen, B. Ráduly, Sz. Lányi and B. Ábrahám, "Testing of application of bactofugate (dairy by-product) in anaerobic digestion to generate biogas", in *Technical Review*, no. 63, ISSN 1454-0746, 2014.

3. E. Both, **L. Gyenge**, Zs. Bodor, É. György, Sz. Lányi, B. Ábrahám, "Intensification of probiotic microorganisms viability by encapsulation using ultrasonic atomizer", in *The Scientific Bulletin, Series B: Chemistry and Materials Science*, vol 74, no. 1, ISSN 1454-2331, 2012.

C4. Participări la conferințe naționale și internaționale

1. **L. Gyenge,** "Examination of the digestibility of the treated pre-fermented anaerobic sludge", *Let's do research together!*, Miercurea Ciuc, Romania, 22 November, 2019.

2. **L. Gyenge**, É. György, "Analyzing of food products, the importance of traceability of food products", *Caption project conference*, Miercurea Ciuc, Romania, 21 June, 2019.

3. **L. Gyenge**, "Examination of biochemical methane potential of the steam-exploded pre-fermented anaerobic sludge", *I. RING - Scientific Conference on Sustainable Raw Materials Management*, Pécs, Hungary, 7-9 November, 2018.

4. E. A. Cazier, **L. Gyenge**, "Improving methane production of cow manure by steam explosion", *Biogas Science 2018 - International Conference on Anaerobic Digestion*, Torino, Italy, 17-19 September, 2018.

5. T. Szabó, B. Szabó, F. Tóthfalusi, **L. Gyenge**, „Efficiency Improvement of a two phase biogas plant using steam explosion technology", *21th International Conference on Chemistry*, Sumuleu Ciuc, Romania, 23-27. September 2015.

6. **L. Gyenge**, B. Ráduly, R. Barrena, X. Font, Sz. Lányi and B. Ábrahám, "Anaerobic digestion of corn whole stillage with inocula deriving from different sources", *19th International Conference on Chemistry*, Baia Mare, Romania, 21-24. November, 2013.

7. **L. Gyenge**, B. Ráduly, S. Crognale, Sz. Lányi and B. Ábrahám, "Cultural conditions optimization of the anaerobic digestion of corn ethanol distillery residuals using response surface methodology",*18th International Conference on Chemistry and Chemical Engineering*, Sinaia, Romania, 4-7 September, 2013.

8. **L. Gyenge**, B. Ráduly, R. Barrena, X. Font, Sz. Lányi and B. Ábrahám, "Efficiency of biogas production from corn bioethanol by-products using different inocula", *4th International Youth Conference on Energy*, Siófok, Hungary, 6-8 June, 2013.

9. **L. Gyenge**, B. Ráduly, S. Crognale, S. R. Stazi, Sz. Lányi and B. Ábrahám, "Evaluation of two different inocula for biogas production from whole corn stillage", *18th International Conference on Chemistry*, Băile Felix, Romania, 22-25. November, 2012.

10. E. Both, **L. Gyenge**, É. György, Sz. Lányi, B. Ábrahám,"Intensification of probiotic microorganisms viability by microencapsulation using ultrasonic atomizer", *17th International Conference on Chemistry*, Cluj Napoca, Romania, 3-6. November, 2011.

11. E. Both, **L. Gyenge**, Zs. Bodor, E. György, Sz. Lányi, B. Ábrahám, "Intensification of probiotic microorganisms viability by microencapsulation using ultrasonic atomizer", *17th Romanian International Conference on Chemistry and Chemical Engineering*, Sinaia, Romania, 7-10. September, 2011.

12. A. Belák, S. Cenic, B. Marsi, **L. Gyenge**, A. Maráz, "Physiological and biochemical characterisation of spoilage bacteria originated from chicken meat", *The 21st Internationla ICFMH Symposium - FoodMicro*, Aberdeen, Scotland, 1-4. September, 2008.

13. A. Belák, S. Cenic, A. N. Holczman, **L. Gyenge**, A. Maráz, "Examination and characterization of chicken meat spoilage bacteria", *Hungalimentaria Science Conference*, Budapest, Hungary 25-26. October, 2007.

14. A. Belák, S. Cenic, A. N. Holczman, **L. Gyenge**, A. Maráz, "Physiological and biochemical characterization of bacterials that cause deterioration of chicken meat", *János Lippay – Imre Ormos – Károly Vas Scientific Session*, Budapest, Hungary, 7-8. November, 2007.

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

Nr. crt.	Titlul temei/ director sau membru	Beneficiar	Anul	Valoare [RON]
1.	Microbial Strategy to Enhance the Biogas Yield in Anaerobic Digestion of Manure/ membru	Guvernul cantonului Berna	2017-2018	168 204
2.	Cercul de cercetare al biogazului (Ungaria) / șef de cercetare	Guvernul Ungariei	2014-2017	8 309 686
3.	Fermentarea anaerobă fază separată a borhotului de porumb din industria bioetanolului / membru	Institutul Programelor de Cercetare al Univ. Sapientia	2013-2014	24 000

K. Participări la conferințe naționale și internaționale

Nr.	Titlul conferinței (limba originală) / Oraș	Titlul prezentării	Perioada de organizare
1.	18. Online Csíkszeredai Kari Tudományos Diákköri Konferencia / *Miercurea Ciuc*	*Membru al juriului*	11.05.2021 - 31.03.2021
2.	35. Országos Tudományos Diákköri Konferencia – Környezetbiotechnológiai tagozat, Környezettudomány és környezettechnológia szekció / *Budapesta (Ungaria)*	*Membru al juriului*	29.03.2021 - 31.03.2021
3.	Kutassunk együtt! - tudományos konferencia / *Miercurea Ciuc*	Gőzrobbantásos eljárással kezelt előrothasztott anaerob iszap biokémiai metánpotenciáljának vizsgálata	22.11.2019 - 22.11.2019
4.	CAPTION projekt zárókonferencia / *Miercurea Ciuc*	A termékek bevizsgálása, lekövethetőségének fontossága	21.06.2019 - 21.06.2019
5.	Agrártudományi Erdélyi Tudományos Diákköri Konferencia / *Sfântu Gheorghe*	*Membru al juriului*	16.06.2019 - 17.06.2019
6.	I. RING – Fenntartható Nyersanyag-gazdálkodás Tudományos Konferencia / *Pécs (Ungaria)*	Examination of biochemical methane potential of the steam-exploded pre-fermented anaerobic sludge	07.11.2018 - 09.11.2018
7.	Biogas Science 2018 - International Conference on Anaerobic Digestion / *Torino (Italia)*	Improving methane production of cow manure by steam explosion	17.09.2018 - 19.09.2018
8.	21th International Conference on Chemistry / *Miercurea Ciuc*	Efficiency Improvement of a two phase biogas plant using steam explosion technology	23.09.2015 - 27.09.2015
9.	19th International Conference on Chemistry/ *Baia Mare*	Anaerobic digestion of corn whole stillage with inocula deriving from different sources	21.11.2013 - 24.11.2013
10.	18th International Conference on Chemistry and Chemical Engineering (RICCCE) / *Sinaia*	Cultural conditions optimization of the anaerobic digestion of corn ethanol distillery residuals using response surface methodology	04.09.2013 - 07.09.2013
11.	4th International Youth Conference on Energy / *Siófok (Ungaria)*	Efficiency of biogas production from corn bioethanol by-products using different inocula	06.06.2013 - 08.06.2013

12.	18th International Conference on Chemistry / *Oradea*	Evaluation of two different inocula for biogas production from whole corn stillage	22.11.2012 - 25.11.2012
13.	17th International Conference on Chemistry / *Cluj Napoca*	Intensification of probiotic microorganisms viability by microencapsulation using ultrasonic atomizer	03.11.2011 - 06.11.2011
14.	17th Romanian International Conference on Chemistry and Chemical Engineering (RICCCE) / *Sinaia*	Intensification of probiotic microorganisms viability by microencapsulation using ultrasonic atomizer	07.09.2011 - 10.09.2011
15.	The 21st International ICFMH Symposium – FoodMicro / *Aberdeen (UK)*	Physiological and biochemical characterization of spoilage bacteria originated from chicken meat	01.09.2008 - 04.09.2008
16.	Lippay János - Imre Ormos - Károly Vas Scientific Session / *Budapesta (Ungaria)*	Physiological and biochemical characterization of bacteria that cause deterioration of chicken meat	07.11.2007 - 08.11.2007
17.	Hungalimentaria Science Conference / *Budapesta (Ungaria)*	Examination and characterization of chicken meat spoilage bacteria	25.10.2007 - 26.10.2007

J. Citări

- C. M. Seidel, S. Brethauer, **L. Gyenge**, P. R. von Rohr & M. H. Studer. "Two-stage steam explosion pretreatment of softwood with 2-naphthol as carbocation scavenger" in *Biotechnology for biofuels*, 12(37),1-12, ISSN: 1754-6834, 2019. (5-year Impact Factor: 6.343).

Citări:

1. Wei, W., Jin, Y., Wu, S., & Yuan, Z. (2019). Improving corn stover enzymatic saccharification via ferric chloride catalyzed dimethyl sulfoxide pretreatment and various additives. Industrial Crops and Products, 140, 111663.

2. Chu, Q., Wang, R., Tong, W., Jin, Y., Hu, J., & Song, K. (2020). Improving enzymatic saccharification and ethanol production from hardwood by deacetylation and steam pretreatment: insight into mitigating lignin inhibition. *ACS Sustainable Chemistry & Engineering*, *8*(49), 17967-17978

3. Borand, M. N., Isler Kaya, A., & Karaosmanoglu, F. (2020). Saccharification Yield through Enzymatic Hydrolysis of the Steam-Exploded Pinewood. *Energies*, *13*(17), 4552.

4. Harahap, B. M., Maulid, M. R., Dewantoro, A. I., Mardawati, E., & Huda, S. (2020, February). Moderate pretreatment strategies for improvement of reducing

sugar production from oil palm empty fruit bunches. In *IOP Conference Series: Earth and Environmental Science* (Vol. 443, No. 1, p. 012081). IOP Publishing.

5. Tocco, D., Carucci, C., Monduzzi, M., Salis, A., & Sanjust, E. (2021). Recent Developments in the Delignification and Exploitation of Grass Lignocellulosic Biomass. *ACS Sustainable Chemistry & Engineering*, *9*(6), 2412-2432.

6. Tan, Z., Li, X., Yang, C., Liu, H., & Cheng, J. J. (2021). Inhibition and disinhibition of 5-hydroxymethylfurfural in anaerobic fermentation: A review. *Chemical Engineering Journal*, 130560.

7. Ma, X., Zhang, H., Chen, Q., Huang, H., Cheng, H., Liulian, H., ... & Shilin, C. (2020). Comparison of single-stage and two-stage hydrothermal pretreatments for improving hemicellulose separation from bamboo chips. *Wood Science and Technology*, *54*(3), 547-557.

8. Østensen, M. (2019). *Enhancing enzymatic saccharification of spruce by 2-naphthol impregnation during pre-treatment* (Master's thesis, Norwegian University of Life Sciences, Ås).

- **L. Gyenge**, S. Crognale, S. R. Stazi, Sz. Lányi, B. Ábrahám, & B. Ráduly, "Biogas production from corn bioethanol whole stillage: evaluation of two different inocula", in *Environmental Engineering and Management Journal*, 17(5), 1021-1028, ISSN: 1582-9596, 2018. (Impact Factor: 1.334).

  Citări:

  1. Gyenge, L., Crognale, S., Lanyi, S., Abraham, B., & Raduly, B. (2014). anaerobic digestion of corn-ddgs: effect of pH-control, agitation and batch repetition. *UPB Sci. Bull., series B*, *76*(4), 163-172.

  2. Pilarska, A. A., Pilarski, K., Waliszewska, B., Zborowska, M., Witaszek, K., Waliszewska, H., ... & Szwarc-Rzepka, K. (2019). Evaluation of biomethane yields from high-energy organic waste and sewage sludge: a pilot study for a wastewater treatment plant. *Environmental Engineering & Management Journal (EEMJ)*, *18*(9).

5. B. Ráduly, **L. Gyenge**, S. Szilveszter, A. Kedves, & S. Crognale, "Treatment of corn ethanol distillery wastewater using two-stage anaerobic digestion", in *Water Science and Technology*, *74*(2), 431-437, ISSN: 0273-1223, 2016. (Impact Factor: 1.247).

   Citări:

   1. Meng, X., Yuan, X., Ren, J., Wang, X., Zhu, W., & Cui, Z. (2017). Methane production and characteristics of the microbial community in a two-stage fixed-bed anaerobic reactor using molasses. *Bioresource technology*, *241*, 1050-1059.

   2. Huang, J., Gao, Y., Fu, C., Cheng, Z., & Chen, J. Azo Dye Removal in Two-stage Anaerobic Sequential Batch Reactor with Starch as a Primary Electron Donor.

3. Ray, S. G., & Ghangrekar, M. M. (2018). Comprehensive review on treatment of high-strength distillery wastewater in advanced physico-chemical and biological degradation pathways. *International Journal of Environmental Science and Technology*, 1-20.

4. Gebreeyessus, G. D., Mekonen, A., & Alemayehu, E. (2019). A review on progresses and performances in distillery stillage management. *Journal of Cleaner Production*.

5. Buitrón, G., Martínez-Valdez, F. J., & Ojeda, F. (2019). Biogas Production from a Highly Organic Loaded Winery Effluent Through a Two-Stage Process. *BioEnergy Research*, *12*(3), 714-721.

6. Lovato, G., Albanez, R., Ruggero, L. S., Stracieri, L., Ratusznei, S. M., & Rodrigues, J. A. D. (2020). Energetic feasibility of a two-stage anaerobic digestion system compared to a single-stage system treating whey and glycerin. *Biochemical Engineering Journal*, *161*, 107653.

7. Jiraprasertwong, A., Seneesrisakul, K., Pornmai, K., & Chavadej, S. (2020). High methanogenic activity of a three-stage UASB in relation to the granular sludge formation. *Science of The Total Environment*, *724*, 138145.

8. Huang, J., Shi, B., Yin, Z., Guo, K., Fu, C., & Tang, J. (2020). Two-stage anaerobic process benefits removal for azo dye orange II with starch as primary co-substrate. *Water Science and Technology*, *81*(11), 2401-2409.

9. Terashimab, M., & Yasuib, H. Kinetic modeling of an anaerobic fixed-bed reactor treating industrial wastewater containing hydrothermally solubilized sugarcane bagasse and post-treatment evaluation. *methods*, *11*(29), 30.

10. Gerrior, D. (2020). A Life Cycle Assessment and Techno-economic Analysis of a Corn Ethanol Bio-Refinery in Comparison to a Novel Bio-refinery.

- **L. Gyenge**, B. Ráduly, S. Crognale, Sz. Lányi & B. Ábrahám, "Cultivating conditions optimization of the anaerobic digestion of corn ethanol distillery residuals using response surface methodology", in *Central European Journal of Chemistry*, 12(8), 868-876, ISSN 1895-1066; 2014 (Impact Factor: 1.329).

  Citări:

  1. El Achkar, J. H., Lendormi, T., Hobaika, Z., Salameh, D., Louka, N., Maroun, R. G., & Lanoisellé, J. L. (2016). Anaerobic digestion of grape pomace: Biochemical characterization of the fractions and methane production in batch and continuous digesters. *Waste management*, *50*, 275-282.

  2. Kanchinadham, S. B. K., Kalyanaraman, C., & Kumarasamy, T. (2015). Optimization of organic load for co-digestion of tannery solid waste in semi-continuous mode of operation. *Clean Technologies and Environmental Policy*, *17*(3), 693-706.

3. Ráduly, B., Gyenge, L., Szilveszter, S., Kedves, A., & Crognale, S. (2016). Treatment of corn ethanol distillery wastewater using two-stage anaerobic digestion. *Water Science and Technology*, *74*(2), 431-437.

4. Gyenge, L., Raduly, B., Crognale, S., Stazi, S. R., Lanyi, S., & Abraham, B. (2018). Biogas production from corn bioethanol whole stillage: evaluation of two different inocula. *Environmental Engineering & Management Journal (EEMJ)*, *17*(5).

5. El Achkar, J. (2017). *Méthanisation de marc de raisin. Caractérisation et optimisation du procédé et des prétraitements* (Doctoral dissertation, Lorient).

6. El Achkar, J. H., Rohayem, C., Salameh, D., Louka, N., Maroun, R. G., & Hobaika, Z. (2018, November). Olive pomace, a source of green energy using anaerobic digestion. In *2018 4th International Conference on Renewable Energies for Developing Countries (REDEC)* (pp. 1-6). IEEE.

7. Pravat, K. C. (2018). *Bioconversion of Corn-Ethanol Derived Stream to Single Cell Protein* (Doctoral dissertation, Lamar University-Beaumont).

8. Bortolini, J., Tavares, M. H. F., Freitag, D. T., & Kuczman, O. (2020). Removal of solids and chemical oxygen demand in poultry litter anaerobic digestion with different inocula. *Revista Ambiente & Água*, *15*.

9. Dornelas, K. C., Schneider, R. M., do Amaral, A. G., Ton, A. P. S., & Mascarenhas, N. M. H. (2021). A biodigestão como ferramenta para a sustentabilidade avícola–uma revisão. *Research, Society and Development*, *10*(12), e38101220042-e38101220042.

- **L. Gyenge**, S. Crognale, Sz. Lányi, B. Ábrahám & B. Ráduly, "Anaerobic digestion of corn-DDGS: effect of pH-control, agitation and batch repetition", in *The Scientific Bulletin, Series B: Chemistry and Materials Science*, 76(4), 163-172, ISSN 1454-2331, 2014.

  Citări:

  1. Woinaroschy, A., Matei, C. B., Gălan, A. M., & Stepan, E. (2018). Anaerobic co-digestion of delipidized microalgae biomass and food residues. *University Politehnica Of Bucharest Scientific Bulletin Series B-Chemistry and Materials Science*, *80*(3), 41-52.

  2. Doddapaneni, T. R. K. C., Praveenkumar, R., Tolvanen, H., Palmroth, M. R., Konttinen, J., & Rintala, J. (2017). Anaerobic batch conversion of pine wood torrefaction condensate. *Bioresource technology*, *225*, 299-307.

  3. Li, C. (2019). Analysis on Teaching Reform of Economic Management Major Based on School-enterprise Cooperation Model.

  4. Doddapaneni, T. R. K. C. (2018). Process Integration Approaches to Improve the Techno-Economic Feasibility of Torrefaction Process.

5. Iram, A., Cekmecelioglu, D., & Demirci, A. (2020). Distillers' dried grains with solubles (DDGS) and its potential as fermentation feedstock. *Applied Microbiology and Biotechnology*, *104*, 6115-6128.

6. Alavi-Borazjani, S. A., Capela, I., & Tarelho, L. A. (2020). Over-acidification control strategies for enhanced biogas production from anaerobic digestion: A review. *Biomass and Bioenergy*, *143*, 105833.

7. Dima, A. D., & Mateescu, C. Evaluation of the biomethane potential of enzymes-enriched sunflower seed cake.

8. Trisakti, B., & Azka, N. (2020). Pengaruh Laju Pengadukan Terhadap Stabilitas Digester Anaerobik Satu Tahap pada Pembentukan Biogas dari Limbah Cair Pabrik Kelapa Sawit Menggunakan Lab Scale Reaktor Batch. *Jurnal Teknik Kimia USU*, *9*(1), 16-20.

- **L. Gyenge**, B. Ráduly, R. Barrena, X. Font, Sz. Lányi & B. Ábrahám, "Efficiency of biogas production from corn bioethanol by-products using different inocula", in *IEEE Xplore,* 1, 1-6, ISBN 978-1-4673-5554-4, 2013.

  Citări:

  1. Roy, P. (2014). *Life cycle assessment of ethanol produced from lignocellulosic biomass: Techno-economic and environmental evaluation* (Doctoral dissertation).

  2. Gyenge, L., Crognale, S., Lanyi, S., Abraham, B., & Raduly, B. (2014). Anaerobic digestion of corn-ddgs: effect of pH-control, agitation and batch repetition. *UPB Sci. Bull., series B*, *76*(4), 163-172.

  3. Yadav, S., Mane, P., & Patil, S. R. Physicochemical characterization of grain based distillery spentwash and its use in cattle feed. *Emerging research trends in life sciences*, 7.

  4. Rocha-Meneses, L., Raud, M., Orupõld, K., & Kikas, T. (2019). Potential of bioethanol production waste for methane recovery. *Energy*, *173*, 133-139.

  5. Kaldis, F., Cysneiros, D., Day, J., G Karatzas, K. A., & Chatzifragkou, A. (2020). Anaerobic digestion of steam-exploded wheat straw and co-digestion strategies for enhanced biogas production. *Applied Sciences*, *10*(22), 8284.

  6. Conesa Morató, P. (2019). *Automatització d'una planta de producció de bioetanol* (Bachelor's thesis, Universitat Politècnica de Catalunya).

- E. Both, **L. Gyenge**, Zs. Bodor, É. György, Sz. Lányi, & B. Ábrahám, "Intensification of probiotic microorganisms viability by encapsulation using ultrasonic atomizer", in *The Scientific Bulletin, Series B: Chemistry and Materials Science,* 74(1), 27-32, ISSN 1454-2331, 2012.

  Citări:

1. Pandey, K. R., Naik, S. R., & Vakil, B. V. (2015). Probiotics, prebiotics and synbiotics-a review. *Journal of food science and technology*, *52*(12), 7577-7587.

2. Pasin, B. L., Azón, C. G., & Garriga, A. M. (2012). Microencapsulación con alginato en alimentos. Técnicas y aplicaciones. *Revista venezolana de Ciencia y Tecnología de Alimentos*, *3*(1), 130-151.

3. Campos, D. C., Acevedo, F., Morales, E., Aravena, J., Amiard, V., Jorquera, M. A., ... & Rubilar, M. (2014). Microencapsulation by spray drying of nitrogen-fixing bacteria associated with lupin nodules. *World Journal of Microbiology and Biotechnology*, *30*(9), 2371-2378.

4. Jayalalitha, V. Microencapsulation of Probiotics to Prepare Functional Dairy Products.

5. Jeżewska-Frąckowiak, J., Seroczyńska, K., Banaszczyk, J., Jedrzejczak, G., Żylicz-Stachula, A., & Skowron, P. M. (2018). The promises and risks of probiotic Bacillus species. *Acta Biochimica Polonica*, *65*(4), 509-519.

6. Doraisamy, K. A., Karthikeyan, N., & Elango, A. Microencapsulation of probiotics in functional dairy products development.

7. Lokhande, S., More, S., & Raje, V. (2018). A Systematic Study of Probiotics-An Update Review. *Asian Journal of Pharmacy and Technology*, *8*(3), 149-157.

8. Relevante, I. L. P. I. (2012). Lista de lucrări în domeniul de ştiin ă definit de disciplinele din postul scos la concurs. *Materials Science*, *74*(1), 27-32.

9. Pasin, B. L., Azón, C. G., & Garriga, A. M. (2012). Historial de Publicaciones. *Revista Venezolana de Ciencia y Tecnología de Alimentos*, *3*(1), 130-151.

10. Khaire, R. A., & Gogate, P. R. (2020). Novel approaches based on ultrasound for spray drying of food and bioactive compounds. *Drying Technology*, 1-22.

11. Sarkar, S., & Nag, A. Spray Drying Encapsulation of Probiotics. In *Spray Drying Encapsulation of Bioactive Materials* (pp. 271-301). CRC Press.

Citări Google Scholar

Citări: 56.

h-index: 6.

i10-index: 2.

Miercurea Ciuc, 08.10.2021 Gyenge László