

LISTA lucrărilor științifice

A. Teza de doctorat	
Morărescu (Aruș), V.A. 2010. „Contribuții privind cinetica proceselor de fermentare în prezența modificatorilor cinetici”, Teza de doctorat, Coordonator științific, Prof.dr.ing. Gheorghita JINESCU, Universitatea Politehnica din București: <ul style="list-style-type: none"> - susținere în catedră în 30.10.2010, susținere publică în 25.11.2010; - în baza Ordinului Ministrului Educației, Cercetării, Tineretului și Sportului, nr 6468 din 07.12.2011 	

B. Cărți și capitole în cărți de specialitate; Suport didactic	
1.	Ana-Maria Georgescu, Vasilica Alisa Arus, 2018, Tehnologia și controlul calitatii in industria morarului , Ed.Alma Mater, Bacău, ISBN 978-606-527-618-5
2.	Aruș, V.A., 2016. <i>Trasabilitatea produselor alimentare ecologice: note de curs</i> , Ed.Alma Mater, Bacău, (Cod CNCIS 14), ISBN 978-973-8392-85-4
3.	Aruș, V.A., 2016. <i>Tehnologii generale în industria laptelui: note de curs</i> , Ed.Alma Mater, Bacău, (Cod CNCIS 14), ISBN 978-973-8392-84-7
4.	Aruș, V.A., Vartolomei, N., 2014. <i>Tehnologii și utilaje în industria morăritului și panificației: îndrumar de laborator</i> , Ed.Alma Mater, Bacău, (Cod CNCIS 14), ISBN 978-606-527-396-2
5.	Aruș, V.A., Jinescu, G., 2014. <i>Procesul de fermentare lactică: cinetică, modificatori cinetici și procedee de intensificare</i> , Ed.Alma Mater, Bacău, (Cod CNCIS 14), ISBN 978-606-527-395-5
6.	Aruș, V.A., Moroi, A.M., 2012. <i>Tehnologii și utilaje în industria laptelui : caiet de lucrări practice pentru studenți</i> , Editura Alma Mater, Bacău (Cod CNCIS 14), ISBN 978-606-527-207-1
7.	Leonte, M., Aruș, V.A., Moroi, A.M., 2011. <i>Îndrumar practic pentru industria de panificație, patiserie și cofetărie</i> , Editura Ecozone, Iași (Cod CNCIS 79), ISBN 978-973-7645-81-4
8.	Leonte, M., Moroi, A.M., Aruș, V.A., 2010. <i>Panificația pe înțelesul tuturor</i> , Editura Ecozone, Iași (Cod CNCIS 79), ISBN 978-973-7645-73-9
9.	Aruș, V.A., 2013. <i>Biotehnologii in industria alimentara – note de curs</i> , Bacau, (material pe CD)
10.	Aruș, V.A., 2013. <i>Biotehnologii in industria alimentara – îndrumar de laborator</i> , Bacău, (material pe CD)
11.	Aruș, V.A., 2011. <i>Tehnologii si utilaj in industria morăritului și panificației 1 – note de curs</i> , Bacău, (material pe CD)
12.	Aruș, V.A., 2011. <i>Tehnologii si utilaj in industria morăritului și panificației 2 – note de curs</i> , Bacău, (material pe CD)
13.	Aruș, V.A., 2010. <i>Tehnici de fabricare a produselor ecologice - note de curs</i> , Bacău, (material pe CD)
14.	Leonte, M., Aruș, V.A., Pircu, N., 2007. <i>Tehnici de fabricare a produselor ecologice. Conditionarea produselor de sinteza si biosinteza - îndrumar de laborator și proiectare</i> , Bacău, (material pe CD)
15.	Leonte, M., Aruș, V.A., Pircu, N., 2007. <i>Tehnologii generale în industria alimentară - îndrumar de laborator și proiectare</i> , Bacău, (material pe CD)
16.	Leonte, M., Aruș, V.A., Pircu, N., 2007. <i>Biotehnologii alimentare - îndrumar de laborator și proiectare</i> , Bacău, (material pe CD)
17.	Leonte, M., Aruș, V.A., Pircu, N., 2007. <i>Siguranta alimentelor si produselor biotehnologice. Analiza riscurilor si punctelor critice de control în industria alimentara. Reglementari europene privind siguranta alimentelor - îndrumar de laborator și proiectare</i> , Bacău, (material pe CD)
18.	Leonte, M., Sion I., Aruș, V.A., Pircu, N., 2007. <i>Trasabilitatea produselor alimentare. Control fitosanitar si sanitar veterinar al materiilor prime- îndrumar de laborator și seminar</i> , Bacău, (material pe CD)

C. Articole în reviste cotate ISI Thomson; Reuters și în volume indexate ISI proceedings	
1	<p>Platon, N; Părvulescu, OC; Arus, VA; Georgescu, AM; Silion, M; Miron, A; Muntianu, G; Rosu, AM; Iancu, P; Azzouz, A Natural Bio-Sourced Additives for Bread Technology Improvement and Highly Nutritive Products, 2026, Foods, Volume 15, Issue 3, WOS:001688066100001, DOI 10.3390/foods15030413</p> <p>Revistă indexată ISI conform: https://www.webofscience.com/wos/woscc/full-record/WOS:001688066100001 FI. 2025 = 6, https://www.mdpi.com/journal/foods</p>
2	<p>Muntianu, Gabriela; Georgescu, Ana-Maria; Rosu, Ana-Maria; Platon, Nicoleta; Arus, Vasilica Alisa; Jinescu, Cosmin Valeriu; Nistor, Ileana Denisa, 2025, Ammonia Gas Adsorption in Fixed Bed and Fluidized Bed Using Bentonite Particles, APPLIED SCIENCES-BASEL, Volume15, Issue 2, 832, 1-17, WOS:001404056400001, DOI10.3390/app15020832</p> <p>Revistă indexată ISI conform: https://www.webofscience.com/wos/woscc/full-record/WOS:001404056400001 FI. 2023 = 2.5, https://www.webofscience.com/wos/woscc/full-record/WOS:001404056400001</p>
3	Muntianu, Gabriela; Nistor, Ileana-Denisa; Mirila, Diana-Carmen; Georgescu, Ana-Maria; Arus, Vasilica-Alisa; Platon, Nicoleta;

	<p>Jinescu, Cosmin, 2024, ELECTROMAGNETIC FIELD APPLICATION IN FLUIDIZATION OF METALLIC PARTICLES, SCIENTIFIC STUDY AND RESEARCH-CHEMISTRY AND CHEMICAL ENGINEERING BIOTECHNOLOGY FOOD INDUSTRY, Volume 25, Issue 4, 439-454, DOI10.29081/ChIBA.2024.625, WOS:001381255700009</p> <p>Revistă indexată ISI conform: https://www.webofscience.com/wos/woscc/full-record/WOS:001381255700009</p> <p>FI. 2023 = 0.3, conform: https://www.webofscience.com/wos/woscc/full-record/WOS:001381255700009</p>
4	<p>Arus, Vasilica-Alisa; Georgescu, Ana-Maria; Platon, Nicoleta; Rosu, Ana-Maria; Muntianu, Gabriela; Teusdea, Alin Cristian; Vartolomei, Nicoleta; Nistor, Ileana-Denisa, 2024, Preliminary studies concerning the influence of buckwheat flour on the quality of white wheat bread, SCIENTIFIC STUDY AND RESEARCH-CHEMISTRY AND CHEMICAL ENGINEERING BIOTECHNOLOGY FOOD INDUSTRY, Volume 25, Issue 2, Page 157-167, DOI10.29081/ChIBA.2024.584, WOS:001291022200004</p> <p>Revistă indexată ISI conform: https://www.webofscience.com/wos/woscc/full-record/WOS:001291022200004</p> <p>FI. 2022 = 0.3, conform: https://www.webofscience.com/wos/woscc/full-record/WOS:001291022200004</p>
5	<p>Azzouz, Abdelkrim, Arus, Vasilica Alisa, Platon, Nicoleta, 2024, Role of Clay Substrate Molecular Interactions in Some Dairy Technology Applications, International Journal of Molecular Sciences, Volume 25, Issue 2, DOI10.3390/ijms25020808ISSN 1661-6596, WOS:001151098800001</p> <p>Revistă indexată ISI conform: https://www.webofscience.com/wos/woscc/full-record/WOS:001151098800001</p> <p>FI. 2022 = 5.6, conform: https://www.webofscience.com/wos/woscc/full-record/WOS:001151098800001</p>
6	<p>Georgescu, Ana -Maria; Platon, Nicoleta; Arus, Vasilica-Alisa; Jinescu, Cosmin; Nardou, Francoise; Nistor, Ileana-Denisa, 2023, Study on the preparation and characterization of aluminum-pillared clays using montmorillonite K10, Scientific Study and Research-Chemistry and Chemical Engineering Biotechnology Food Industry, ISSN: 1582-540X, Volume 24 Issue 2 ,Page 145-153, WOS:001025811900005</p> <p>Revistă indexată ISI conform: https://www.webofscience.com/wos/woscc/full-record/WOS:001025811900005</p> <p>FI. 2022 = 0.3, conform: https://www.webofscience.com/wos/woscc/full-record/WOS:001025811900005</p>
7	<p>Boudissa, Farida; Arus, Vasilica-Alisa; Foka-Wembe, Eric-Noel; Zekkari, Meriem; Ouargli-Saker, Rachida; Dewez, David; Roy, Rene; Azzouz, Abdelkrim, 2023, Role of Silica on Clay-Catalyzed Ozonation for Total Mineralization of Bisphenol-A, Molecules, eISSN: 1420-3049, Volume 28, Issue 9, DOI10.3390/molecules28093825, WOS:000987670400001</p> <p>Revistă indexată ISI conform: https://www.webofscience.com/wos/woscc/summary/ec4c1f5d-32d4-4752-a52d-58431ac6adcb-b3d9be26/relevance/1</p> <p>FI2022 = 4.6, conform: https://www.webofscience.com/wos/woscc/summary/ec4c1f5d-32d4-4752-a52d-58431ac6adcb-b3d9be26/relevance/1</p>
8	<p>El Baktaoui, Meriem; Hadj-Abdelkader, Nour El Houda; Benghaffour, Amina; Arus, Vasilica-Alisa; Bennani-Daouadi, Nadia; Belkhadem, Fatima; Roy, Rene; Azzouz, Abdelkrim, 2022, Clay-Catalyzed Ozonation of Hydrotalcite-Extracted Lactic Acid Potential Application for Preventing Milk Fermentation Inhibition, Molecules, eISSN: 1420-3049, Volume 27, Issue19, DOI10.3390/molecules27196502, WOS:000867079800001</p> <p>Revistă indexată ISI conform: https://www.webofscience.com/wos/woscc/full-record/WOS:000867079800001</p> <p>FI2022 = 4.6, conform: https://www.webofscience.com/wos/woscc/full-record/WOS:000867079800001</p>
9	<p>Mariana Zavagna-Witt, Nazir Tahir, Vasilica Alisa Arus, René Roy, Abdelkrim Azzouz, 2022, Synthesis of exopolysaccharide-based organo-montmorillonite with improved affinity towards carbon dioxide and hydrophilic character, Comptes Rendus. Chimie, ISSN: 1631-0748, e-ISSN: 1878-1543, Volume 25, no. S3, pp. 217-225, DOI: 10.5802/crchim.175</p> <p>Revistă indexată ISI conform: https://www.webofscience.com/wos/woscc/summary/e3f5794d-6391-4088-ba3b-64628acacc16-b3da5893/relevance/1</p> <p>FI2021 = 2.55, conform: https://www.webofscience.com/wos/woscc/summary/e3f5794d-6391-4088-ba3b-64628acacc16-b3da5893/relevance/1</p>
10	<p>PLATON N., GEORGESCU A.M., ARUȘ V.A., SION I., SILION M., URSU A.V., NISTOR I.D., 2022, Valorization of eggshells waste for bread production, Scientific Study and Research-Chemistry and Chemical Engineering Biotechnology Food Industry ISSN: 1582-540X 2022, Volume 23, Issue 1, Page 49-62, WOS:000782910100006</p> <p>Revistă indexată ISI conform: https://www.webofscience.com/wos/woscc/summary/5af63bd0-70ce-4b48-88eb-006ddcf7222-b3da45d5/relevance/1</p> <p>FI2022 = 0.3 https://www.webofscience.com/wos/woscc/summary/5af63bd0-70ce-4b48-88eb-006ddcf7222-b3da45d5/relevance/1</p>
11	<p>Boudissa Farida, Zekkari Meriem, Arus Vasilica-Alisa, Ouargli-Saker Rachida, Nabil Bouazizi, Roy Rene, Azzouz Abdelkrim, 2020, Clay-catalyzed ozonation of endocrine-disrupting compounds in solvent-free media - to better understand soil catalytic capacity, DALTON TRANSACTIONS, Volume 49, Issue 46, Page16693-16706, ISSN1477-9226, WOS:000597124500018, DOI10.1039/d0dt02776f</p> <p>Revistă indexată ISI conform: https://mjl.clarivate.com/search-results?issn=1477-9226&hide_exact_match_fi=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-these-results</p> <p>F. I. 4.39 conform: https://www.webofscience.com/wos/woscc/full-record/WOS:000597124500018</p>

12	<p>Pircu Vartolomei Nicoleta, Arus Vasilica Alisa, Moroi Alina Mihaela, Zaharia Dumitru, Turtoi Maria, 2020, <i>Influence of rosehip powder addition on quality indicators of mixtures obtained with different types of wheat flour</i>, SCIENTIFIC STUDY AND RESEARCH-CHEMISTRY AND CHEMICAL ENGINEERING BIOTECHNOLOGY FOOD INDUSTRY, Volume 21 Issue 3, Page 379-393, ISSN 1582-540X, WOS:000577523900006</p> <p>Revistă indexată ISI conform: https://mjl.clarivate.com/search-results?issn=1582-540X&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-these-results F. I. 0 conform: https://uefiscdi.gov.ro/resource-868341-rev.rom.isi.15.10.2021.pdf</p>
13	<p>Ana-Paula Beltrao-Nunes, Radia Sennour, Vasilica-Alisa Arus, Sarah Anoma, Marçal Pires, Nabil Bouazizi, René Roy, Abdelkrim Azzouz, 2019, <i>CO₂ capture by coal ash-derived zeolites- roles of the intrinsic basicity and hydrophilic character</i>, Journal of Alloys and Compounds, Volume 778, Pages 866-877, ISSN: 0925-8388, WOS:000455179500099, DOI: 10.1016/j.jallcom.2018.11.133</p> <p>Revistă indexată ISI conform: http://mjl.clarivate.com/cgi-bin/jrnst/jlresults.cgi?PC=MASTER&ISSN=*0925-8388 F. I. 4.175 conform: https://www.journals.elsevier.com/journal-of-alloys-and-compounds</p>
14	<p>Nousir Saadia, Arus Vasilica-Alisa, Shiao, Tze Chieh, Bouazizi, Nabil, Roy, Rene, Azzouz, Abdelkrim, <i>Organically modified activated bentonites for the reversible capture of CO₂</i>, 2019, MICROPOROUS AND MESOPOROUS MATERIALS, Volume 290, Pages 1-8, ISSN: 1387-1811, WOS:000488661000009, DOI:10.1016/j.micromeso.2019.109652</p> <p>Revistă indexată ISI conform: https://mjl.clarivate.com/search-results?issn=1387-1811&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-these-results F. I. 5.45 conform: https://www.webofscience.com/wos/woscc/full-record/WOS:000488661000009</p>
15	<p>Farida Boudissa, Diana Mirilă, Vasilica-Alisa Arus, Thizizi Terkmani, Sirène Semaan, Mélanie Proulx, Ileana-Denisa Nistor René Roy, Abdelkrim Azzouz, 2019, <i>Acid-treated clay catalysts for organic dye ozonation – Thorough mineralization through optimum catalyst basicity and hydrophilic character</i>, Journal of Hazardous Materials, Volume 364, Pages 356-366 DOI: 10.1016/j.jhazmat.2018.09.070, ISSN: 0304-3894, WOS:000452926500040, DOI: 10.1016/j.jhazmat.2018.09.070</p> <p>Revistă indexată ISI conform: http://mjl.clarivate.com/cgi-bin/jrnst/jlresults.cgi?PC=MASTER&ISSN=*0304-3894 F. I. 7.650 conform: https://www.journals.elsevier.com/journal-of-hazardous-materials</p>
16	<p>Arus Vasilica Alisa, Nousir Saadia, Sennour Radia, Tze Chieh Shiao, Ileana Denisa Nistor, Roy René, Azzouz Abdelkrim, 2018, <i>Intrinsic affinity of acid-activated bentonite towards hydrogen and carbon dioxide</i>, International Journal of Hydrogen Energy, Volum: 43 Nr: 16, p. 7964 -7972, ISSN 0360-3199, WOS:000430897000020, DOI: 10.1016/j.ijhydene.2018.03.034</p> <p>Revistă indexată ISI conform: http://mjl.clarivate.com/cgi-bin/jrnst/jlresults.cgi?PC=MASTER&ISSN=*%200360-3199 F. I. 4.229 conform: https://www.journals.elsevier.com/international-journal-of-hydrogen-energy</p>
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18	<p>M. Nazir Tahir, Radia Sennour, Vasilica Alisa Arus, Lamya M. Sallam, René Roy, 2017, Abdelkrim Azzouz, 2017, <i>Metal organoclays with compacted structure for truly physical capture of hydrogen</i>, Applied Surface Science, Vol. 398, p. 116–124, ISSN 0169-4332, WOS:000392898300014, DOI: 10.1016/j.apsusc.2016.12.011</p> <p>Revistă indexată ISI conform: http://mjl.clarivate.com/cgi-bin/jrnst/jlresults.cgi?PC=MASTER&ISSN=0169-4332 F. I. 3.387 conform: https://www.journals.elsevier.com/applied-surface-science/</p>
19	<p>Enmili, A, Azzouz, A., Arus, VA., Monette, F., 2016, <i>Aluminosilicate-catalyzed electroreduction of nitrate anion - An approach through alkalinity analysis</i>, ELECTROCHIMICA ACTA , Vol. 222 , p. 1064-1071, ISSN: 0013-4686 , Accession Number: WOS:000395443700012, DOI: 10.1016/j.electacta.2016.11.076</p> <p>Revistă indexată ISI conform: http://mjl.clarivate.com/cgi-bin/jrnst/jlresults.cgi?PC=MASTER&ISSN=0013-4686 F. I. 4.798 conform: https://www.journals.elsevier.com/electrochimica-acta</p>
20	<p>Azzouz A., Arus V. A., Platon N., I. D. Nistor, 2016, Lactic Acid Retention by CO₃ -Mg-Al Layered Double Hydroxides for</p>

	<p>Improved Milk Clotting An approach through acidity measurements, REV.CHIM.(Bucharest) Vol. 67, No. 7, p. 1348-1355, ISSN 0034-7752, WOS:000385513000024</p> <p>Revistă recunoscută CNCSIS categoria A și indexată ISI conform http://science.thomsonreuters.com/cgi-bin/jrnst/jlresults.cgi?PC=MASTER&ISSN=0034-7752 F. I. 0.956 conform: http://uefiscdi.gov.ro/userfiles/file/CENAPOSS/rev_rom_isi_14%20iun_2016_factori.pdf</p>
21	<p>Aruș, V.A., Nistor, I.D., Platon, N., Rosu, A.M., Muntianu, G., Jinescu, C., 2015. <i>Statistical modelling and optimization of lactic acid fermentation in the presence of anionic clay and ultrasonic field</i>, REV. CHIM. (Bucharest), 66 (1), p. 88-91, ISSN 0034-7752, Accession Number: WOS:000350270800018</p> <p>Revistă recunoscută CNCSIS categoria A și indexată ISI conform http://science.thomsonreuters.com/cgi-bin/jrnst/jlresults.cgi?PC=MASTER&ISSN=0034-7752 F. I. 0.956 conform: http://uefiscdi.gov.ro/userfiles/file/CENAPOSS/rev_rom_isi_14%20iun_2016_factori.pdf</p>
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23	<p>Aruș, V.A., Jinescu, C., Nistor, I.D., Isopencu, G., 2014. <i>Ultrasound intensification of lactic fermentation process in the presence of anionic clays</i>, REV. CHIM. (Bucharest) vol. 65, No.8, p. 942-947, ISSN 0034-7752, Accession Number: WOS:000340867000017</p> <p>Revistă recunoscută CNCSIS categoria A și indexată ISI conform http://science.thomsonreuters.com/cgi-bin/jrnst/jlresults.cgi?PC=MASTER&ISSN=0034-7752 F. I. 0.956 conform: http://uefiscdi.gov.ro/userfiles/file/CENAPOSS/rev_rom_isi_14%20iun_2016_factori.pdf</p>
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25	<p>Aruș, V.A., Părvulescu, O.C., Jinescu, C., Nistor, I.D., 2011. <i>Mathematical modeling of the retention process of lactic acid on anionic clay particles using mechanical mixing for process intensification</i>, REV. CHIM. (Bucharest), 62, no. 12, p.1180-1184, ISSN 0034-7752, Accession Number: WOS:000298220300011</p> <p>Revistă recunoscută CNCSIS categoria A și indexată ISI conform http://ip-science.thomsonreuters.com/cgi-bin/jrnst/jlresults.cgi?PC=RC&Alpha=R F. I. 0.956 conform: http://uefiscdi.gov.ro/userfiles/file/CENAPOSS/rev_rom_isi_14%20iun_2016_factori.pdf</p>
26	<p>Arus, Vasilica Alisa; Nistor, Ileana Denisa; Ursu, Alina Violeta, Isopencu, Gabriela, Jinescu, Cosmin, Mares, Monica, 2011, Modeling and optimization of lactic fermentation process in the presence of anionic clays using experiments design, UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES B-CHEMISTRY AND MATERIALS SCIENCE, Volume73, Issue1, Page15-28, ISSN 1454-2331, WOS:000440222200002</p> <p>Revistă indexată ISI conform: https://www.webofscience.com/wos/woscc/full-record/WOS:000440222200002 F.I. 0.956 conform: https://www.webofscience.com/wos/woscc/full-record/WOS:000440222200002</p>
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28	<p>Aruș, V.A., Jinescu, G., Nistor, I.D., Miron, N.D., Ursu, A.V., Isopencu, G., Mares, A.M., 2010. <i>Preparation and characterization of anionic clays used like kinetic modifiers in lactic fermentation</i>, REV. CHIM. (Bucharest), 61, no. 11, p.1100-1104, ISSN 0034-7752, Accession Number: WOS:000286571600018</p> <p>Revistă recunoscută CNCSIS categoria A și indexată ISI conform http://ip-science.thomsonreuters.com/cgi-bin/jrnst/jlresults.cgi?PC=RC&Alpha=R F. I. 0.956 conform: http://uefiscdi.gov.ro/userfiles/file/CENAPOSS/rev_rom_isi_14%20iun_2016_factori.pdf</p>

D. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale

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Declar pe propria răspundere că datele prezentate sunt în conformitate cu realitatea.

Data,
19.10.2026

Semnătura,
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