

LISTA LUCRĂRILOR ELABORATE ȘI PUBLICATE

CĂRȚI	
1.	ROȘU A.M., PLATON. N. , <i>Chimia alimentelor – Tehnici de laborator</i> , Editura Alma Mater, Bacău, ISBN 978-606-527-311-5, 108 p., 2013 .
2.	PLATON N. , NISTOR I.D., BÎRCĂ A. <i>Tehnologii generale în industria alimentară – Note de curs</i> , Editura Alma Mater, Bacău, ISBN 978-606-527-301-6, p.158, 2013 .
3.	PLATON N. , <i>Principiile nutriției umane</i> , Note de curs, Editura Alma Mater, Bacău, ISBN 978-606-527-138-8, p. 167, 2015 .
4.	PLATON. N. , ROȘU A.M., <i>Tehnologii în industria alimentară</i> , Note de curs, Editura Alma Mater, Bacău, ISBN 978-606-527-448-8, 211 p., 2015 .
5	PLATON. N. , SIMINICEANU I., <i>Prepararea, caracterizarea și testarea argilelor modificate chimic cu aplicații în tratarea apelor poluate</i> , ISBN 978-606-527-405-1 Editura Alma Mater, Bacău, 2016 .
6.	MUNTIANU G., PLATON N. , <i>Principiile nutriției umane</i> , Îndrumar de laborator și seminar, Editura Alma Mater, Bacău, ISBN 978-606-527-559-1., 2017 .
7.	PLATON. N. , <i>Chimia mediului</i> , Editura Alma Mater, Bacău, ISBN: 978-606-527-563-8, 2017 .
8.	PLATON. N. , <i>Tehnologia Panificației</i> , Note de curs, Editura Alma Mater, Bacău ISBN 978-606-527-633-8, 222 p., 2019 .
9.	ARUȘ V.A. , ROȘU A.M. , PLATON N. , <i>Chimie</i> , Material didactic pentru anul I, programul de studii - Biologie, În cadrul proiectului privind Învățământul Secundar (ROSE), Schema de granturi pentru universități-necompetitive, Titlul subproiectului: Matematică, Informatică și Biologie – educație și profesii pentru viitor. Rămâi Integrat și Total Motivată (Mate – Info – Bio - RITM). Acord de grant nr. 191/SGU/NC/II din 12.09.2019.
10.	PLATON. N. , <i>Metode moderne de condiționare a produselor alimentare ecologice</i> , Note de curs, Editura Alma Mater, Bacău ISBN 978-606-527-312-2, 119 p., 2020 .

ARTICOLE / STUDII PUBLICATE ÎN REVISTE DE SPECIALITATE ȘI VOLUME ALE UNOR MANIFESTĂRI ȘTIINȚIFICE/ ARTICOLE PUBLICATE ÎN REVISTE INDEXATE ISI	
1.	<p>PLATON N., SIMINICEANU I., NISTOR I.D., MIRON N.D., MUNTIANU G., ZAVADA R M, ISOPENCU G, NISTOR I D, Preparation and characterization of new products obtained by pillaring process, Revista de chimie, vol. 62, Nr. 8 p. 799-805, ISSN: 0034-7752, 2011. FI: 0.59.</p> <p>https://www.webofscience.com/wos/woscc/full-record/WOS:000293807200008</p>
2.	<p>PLATON N, SIMINICEANU I, NISTOR I D, MIRON N D, MUNTIANU G, MARES A M, Fe - pillared clay as an efficient Fenton-like heterogeneous catalyst for phenol degradation, Revista de chimie, vol. 62, Nr. 6, p. 676-679, ISSN: 0034-7752, 2011. FI: 0.59.</p> <p>https://www.webofscience.com/wos/woscc/full-record/WOS:000292629400017</p>
3.	<p>AZZOUZ A, NOUSIR S, PLATON N, GHOMARI K, HERSANT G., BERGERON J-Y., CHIEH S., REJ R., ROY R., Preparation and characterization of hydrophilic organo-montmorillonites through incorporation of non-ionic polyglycerol dendrimers derived from soybean oil, Materials Research Bulletin, vol. 48, Issue 9, p. 3466 – 3473, ISSN: 0025-5408, September 2013. FI: 1.9/F.I:5.7</p> <p>https://www.webofscience.com/wos/woscc/full-record/WOS:000322354000077 https://doi.org/10.1016/j.materresbull.2013.05.043</p>
4.	<p>AZZOUZ A, NOUSIR S., PLATON N., GHOMARI K, SHIAO T.C, HERSANT G., BERGERON J.Y , ROY R., Truly reversible capture of CO₂ by montmorillonite intercalated with soya oil-derived polyglycerols, International journal of greenhouse gas control. Volume: 17 Pages: 140-147 Published: SEP 2013. FI: 3.8. / F.I:5.2</p> <p>https://www.webofscience.com/wos/woscc/full-record/WOS:000324153700014 https://doi.org/10.1016/j.ijggc.2013.04.013</p>
5.	<p>NOUSIR S., PLATON N., GHOMARI K., SERGENTU A.S., CHIEH S., HERSANT G., BERGERON J-Y., ROY R., AZZOUZ A, Correlation between the hydrophilic character and affinity towards carbon dioxide of montmorillonite-supported polyalcohols, Journal of Colloid and Interface Science, vol. 402, p.215 – 222, ISSN: 0021-9797, July 2013. FI: 3.5./ F.I:9.7</p> <p>https://www.webofscience.com/wos/woscc/full-record/WOS:000319540400028 https://doi.org/10.1016/j.jcis.2013.03.050</p>
6.	<p>AZZOUZ A, PLATON N, NOUSIR S, GHOMARI K, NISTOR D, CHIEH S. T., ROY R., OH - enriched organo-montmorillonites for potential applications in carbon dioxide separation and concentration, Journal Separation and Purification Technology, vol. 108, p. 181–188, ISSN: 1383-5866 April, 2013. F.I:3/ F.I:9</p> <p>https://www.webofscience.com/wos/woscc/full-record/WOS:000317887200025 https://doi.org/10.1016/j.seppur.2013.02.006</p>
7.	<p>AZZOUZ A, ARUȘ V.A., PLATON N, GHOMARI K, NISTOR., CHIEH S. T., ROY R., Polyol-modified layered double hydroxides with attenuated basicity for a truly reversible capture of CO₂ , Journal - Adsorption, (Springer US), vol. 19, p. 909-918, ISSN 1572-8757, print ISSN 0929-5607, February 2013. F.I: 1.56/F.I:3.1</p> <p>https://www.webofscience.com/wos/woscc/full-record/WOS:000324059200004 https://doi.org/10.1007/s10450-013-9498-3</p>

8.	<p>PLATON N., SIMINICEANU I., NISTOR I.D., SILION M., JINESCU C.,* HARROUNA M., AZZOUZ A*, Catalytic Wet Oxidation of Phenol with Hydrogen Peroxide over Modified Clay Minerals, Revista de Chimie, Volum 64, Nr. 12, pp. 1459 – 1464, ISSN 0034-775, 2013. FI:0.67</p> <p>https://www.webofscience.com/wos/woscc/full-record/WOS:000330914400019</p>
9.	<p>ARUS V. A., NISTOR I. D., PLATON N., ROSU A. M., MUNTIANU G., JINESCU C., “Vasile Alecsandri ”Statistical Modelling and Optimization of Lactic Acid Fermentation in the Presence of Anionic Clay and Ultrasonic Field, Revista de Chimie, Volum 66, Nr. 1, pp. 88 – 91, ISSN 0034-7752, 2015. FI:0.9</p> <p>https://www.webofscience.com/wos/woscc/full-record/WOS:000350270800018</p>
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11.	<p>AZZOUZ A., ARUȘ V.A., PLATON N., NISTOR D, Lactic acid retention by CO₃-Mg-Al layered double hydroxides for improved milk clotting – An approach through acidity measurements, Revista de chimie, Volum 67, Nr. 7, pp. 1348 – 1355, ISSN: 0034-7752, 2016. FI: 1.2</p> <p>https://www.webofscience.com/wos/woscc/full-record/WOS:000385513000024</p>
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15.	<p>PLATON N., GEORGESCU A.M., ARUȘ V.A., SION I., SILION M., URSU A.V., NISTOR I.D. Valorization of eggshells waste for bread production, Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry, vol. 23, no. 1, 2022. FI:0.3.</p> <p>https://www.webofscience.com/wos/woscc/full-record/WOS:000782910100006</p>
16.	<p>SENNOUR R., PRICOP D., PLATON N., ROY R., AZZOUZ A., Optimized diffusion–convection compromise for reversible CO capture on hydroxylated organo-montmorillonite, Jurnal Comptes Rendus – Chimie, Volumul 25, Numărul S3, Pagini 1-11, 2022. FI:1,6.</p> <p>https://www.webofscience.com/wos/woscc/full-record/WOS:000863096800003</p>

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17.	GEORGESCU A.-M., PLATON N. , ARUS V.A., JINESCU C., NARDOU F., NISTOR I.-D., <i>Study on the preparation and characterization of aluminum-pillared clays using montmorillonite K10</i> , Scientific Study and Research-Chemistry and Chemical Engineering Biotechnology Food Industry, ISSN 1582-540X, 24 (2), p. 145 – 153, 2023 FI: 0.3 . https://www.webofscience.com/wos/woscc/full-record/WOS:001025811900005
18.	AZZOUZ A., ARUȘ V.A., PLATON N. - <i>Role of Clay Substrate Molecular Interactions in Some Dairy Technology Applications</i> , International Journal of Molecular Sciences 25, 808, January 2024. FI: 4.9 . https://doi.org/10.3390/ijms25020808 WOS:001151098800001
19.	ARUȘ V.A., GEORGESCU A.M., PLATON N. , ROȘU A.M., MUNTIANU G., TEUȘDEA A.C., VARTOLOMEI N., NISTOR I.D. <i>Preliminary studies concerning the influence of buckwheat flour on the quality of white wheat bread</i> , Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry, vol. 25, no. 2, pp. 157 – 167, 2024. FI:0.7 . https://www.webofscience.com/wos/woscc/full-record/WOS:001291022200004#:~:text=DOI,10.29081/ChIBA.2024.584
20.	MUNTIANU G., NISTOR I.-D., MIRILĂ D.C., GEORGESCU A.M. ARUȘ V.A., PLATON N. , JINESCU C., <i>Electromagnetic field application in fluidization of metallic particles</i> , Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry, 25 (4), pp. 439 – 454, 2024. FI: 2.5 . https://www.webofscience.com/wos/woscc/full-record/WOS:001381255700009#:~:text=DOI,10.29081/ChIBA.2024.625 WOS:001381255700009
21.	MUNTIANU G., GEORGESCU A.M., ROȘU A.M., PLATON N. , ARUȘ V.A., JINESCU C., NISTOR I.D., <i>Ammonia Gas Adsorption in Fixed Bed and Fluidized Bed Using Bentonite Particles</i> , Appl. Sci. 15(2), 832, 2025. FI:2,5 . https://doi.org/10.3390/app15020832 WOS:001404056400001
22.	PLATON N. , PÂRVULESCU O.C., ARUȘ V.A., GEORGESCU A.M., SILION M., MIRON A., MUNTIANU G., ROȘU A.M., IANCU P., AZZOUZ A., <i>Natural Bio-Sourced Additives for Bread Technology Improvement and Highly Nutritive Products</i> , Foods, 15 (3), 413, 2026. FI:5.1 . https://doi.org/10.3390/foods15030413
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1.	NISTOR I.D., URSU A.V., MIRON N.D., PLATON N. – <i>Research concerning the environment pollution with dioxins</i> , Modeling and optimization in the machines building field MOCM, Publishing house Alma – Mater , Bacau, 2 (11), 104 - 107, 2005 . http://pubs.ub.ro/?pg=revues&rev=jesr&sc=about
2.	URSU A.V., NISTOR I.D., MIRON N.D., PLATON N. – <i>Optimization of biogas producing utilizing an experimental program of type 3³</i> , Modeling and optimization in the machines building field MOCM, Publishing house Alma – Mater, Bacau, 2 (11), 156-162, 2005 .

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3.	SIMINCEANU I., PLATON N., URSU A.V., NISTOR I.D., MIRON N.D. – <i>Influence de l'ajoutage de lecithine sur certaines proprietes de la margarine</i> , Scientific STUDY & Research, Vol. VII (3), 2006, ISSN 1582-540X p. 355-356, 2006 . http://pubs.ub.ro/?pg=revues&rev=csc6
4.	PLATON N., SIMINCEANU I., NISTOR D.I., MIRON N.D. <i>The procurance and the use of clays chemically modified in decontamination processes. Modelling and optimisation in the machines building field</i> Vol I, Editura Alma Mater, p. 247-250, ISSN1224-7480, 2007 . http://pubs.ub.ro/?pg=revues&rev=jesr&sc=about ;
5.	PLATON N., SIMINCEANU I., NISTOR I.D., MIRON N.D. <i>Comparative study on nanomaterials characteristics obtained from raw montmorillonite clay and purified montmorillonite clay</i> , The annals of the „Dunărea de Jos” Universitatea Galați, Fascicle II, Mathematics, physics, chemistry, informatics, year III (XXXII), p.151-156, ISSN 2067-2071, 2009 . http://www.phys.ugal.ro/Annals_Fascicle_2/Abstracting/Abstracting_Indexing.htm
6.	MUNTIANU G., PLATON N., JINESCU G., SIMINCEANU I., MARDARU A., ZAVADA R.M., MIRON D.N., NISTOR I D. <i>Preparation and characterization of nanostructured materials used for the retention of gaseous pollutants</i> , Annals of “Dunarea de Jos” University of Galati, Fascicle II, Anul III (XXXIV), p. 115-122, ISSN 2067-2071, 2011 . http://www.phys.ugal.ro/Annals_Fascicle_2/Abstracting/Abstracting_Indexing.htm
7.	MUNTIANU G., PLATON N., ROSU A. M., JINESCU G. , <i>Hydrodinamic study of clay particles in fluidized bed</i> , Journal of Engineering Studies and Research, Bacău, 2013 . http://pubs.ub.ro/?pg=revues&rev=jesr&sc=about ; http://www.cncsis.ro/
8.	PLATON N., ROȘU A.M., ARUȘ V.A., NISTOR D.I., SIMINCEANU I. , <i>Chemically modified clays used for environmental quality</i> , Journal of Engineering Studies and Research, Bacău, vol. 19, Nr 4 , p. 52-58, 2013 . http://pubs.ub.ro/?pg=revues&rev=jesr&sc=about ; http://www.cncsis.ro/
9.	ROȘU A.M., PLATON N., ARUȘ V.A., MIRON N.D., NISTOR I.D., G. BRABIE. <i>Experimental study regarding mechanical properties of FeP-05-MB sheet steels submitted to corosive mediums</i> , Journal of Engineering Studies and Research, Bacău, vol.20, nr. 1, p. 82 – 86, 2014 . http://pubs.ub.ro/?pg=revues&rev=jesr&sc=about ; http://www.cncsis.ro/
10.	PLATON N., ARUS V.A, GEORGESCU A.M., NISTOR I.D., BARSAN N. , White bread fortified with calcium from eggshell powder, Revista de Chimie, Volume: 71, Issue: 7, 2020 . https://doi.org/10.37358/RC.20.7.8248

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1.	PLATON N., DRAGOI B., DUMITRIU E., SIMINICEANU I., NISTOR I.D., MIRON N.M. <i>The texture of a iron pillared bentonite catalyst</i> . International Conference of Applied Sciences, Chemistry and Chemical Engineering, Editura Alma Mater Bacău, p. 352-357, ISSN 2066 - 7817, 2010 .
2.	GEORGESCU A.M., NARDOU F., PENAT C., NISTOR I.D., PLATON N. <i>Synthesis and characterization by morphologic and textural analysis of Al pillared clays prepared from montmorillonite K10</i> , International Conference of Applied Sciences, Chemistry and Cemical Egeeneering, Editura Alma Mater Bacău, p.365-372, ISSN 2066 - 7817, 2010 .
3.	MUNTIANU G., JINESCU G., NISTOR I.D., MIRON N.D., PLATON N. <i>Study concerning the preparation of Al-pillared clay used in depollution processes</i> , International Conference of Applied Sciences, Chemistry and Cemical Egeeneering, Editura Alma Mater,Bacău, p.379 - 387, ISSN 2066 - 7817, 2010 .
4.	IURASCU B., SIMINICEANU I., VICENTE M., NISTOR D., PLATON N. <i>Influence of thermal aging on the activity of a heterogeneous photo-fenton catalyst</i> . Proceedings of the first. Applied Siences Smposium, Editura Alma Mater Bacău , p.150 - 156, ISSN 1843 -1003, 2007 .
5.	PLATON N. , SIMINICEANU I., NISTOR D.I., MIRON N.D. <i>Etude des materiaux argileux utilises comme catalyseurs dans le traitement des eaux residuelles</i> , Proceedings of the first. Applied Siences Smposium, Editura Alma Mater, Bacău, p. 44 - 48, ISSN 1843 - 1003, 2007 .
6.	PLATON N. , NISTOR I.D., MIRON N.D., PÂNZARU A. <i>Study concerning different admixtures influence on the qualitative index of apple juice</i> . Proceedings of the first. Applied Siences Smposium, Editura Alma Mater, Bacău, p.265 - 268, ISSN 1843 - 1003, 2007 .
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	3. PLATON N. , NISTOR D.I., SIMINICEANU I, <i>Effect of microwave irradiation time on the synthesis of pillared clays</i> , International Conference of Applied Sciences, Chemistry and chemical engineering, Sixth Edition, April 24 - 27, Bacău, România, 2012 .
	4. MUNTIANU G., DJELVEH G., NISTOR D., URSU A., PLATON N. , ISOPENCU G., MAREȘ M., JINESCU G., <i>Study of dynamic parameters in a multi-layer fluidized bed stabilized in a coaxial magnetic field</i> , 18 th ,Romanian International Conference on Chemistry and Chemical Engineering (RICCCE18), Sinaia, 4-7 Septembrie, România, 2013 .

5. PLATON N. , SIMINICEANU I., NISTOR I.D., MIRON N.D., <i>Preparation and characterization of new products obtained by pillaring process</i> . International Conference of Applied Sciences, Chemistry and chemical engineering, Seventy Edition, May 15 - 18, Bacău, România, 2013 .
6. AZZOUZ A., ARUȘ V.A., PLATON N. , NISTOR D., <i>Clay minerals for dairy technology - attempts to lactic acid removal for improved milk clotting</i> , The XV International Clay Conference July 7-11, Universidade Federal do Rio de Janeiro, Rio de Janeiro, RJ, Brazil, 2013 .
7. MIRILĂ D.C., PÎRVAN M., NISTOR I.D., ARUS V.A., GEORGESCU A.M., PLATON N. <i>Synthesis and characterization of nanomaterials clay used for wastewater remediation</i> . International conference for students STUDENT IN BUCOVINA Suceava, România, 2016 .
8. ROTARU I.A., LESCAIE M., PLATON N. <i>Studiu asupra tehnologiei de obținere a ceaiului verde</i> , Sesiunea națională de comunicări științifice studențești - „INGINERIA – PROFESIA VIITORULUI, Ediția I, Bacău (27, 28, 29 noiembrie 2017 , Bacău).
9. HANU M.A., POPA M.G., DANALACHE R.I., PLATON N. <i>Studiul asupra tehnologiei de obținere a untului</i> , Sesiunea națională de comunicări științifice studențești - „INGINERIA – PROFESIA VIITORULUI, Ediția I, Bacău (27, 28, 29 noiembrie 2017 , Bacău).
10. GROSU E.V., BORDEA A. A., PLATON N. <i>Studiu asupra tehnologiei de obținere a pâinii semialbe cu secară</i> , Sesiunea națională de comunicări științifice studențești - „INGINERIA – PROFESIA VIITORULUI, Ediția I, Bacău (27, 28, 29 noiembrie 2017 , Bacău).
11. GEORGESCU A. M., PLATON N. , ARUȘ V.A., NARDOU F., PENOT C., BRABIE G., SIMINICEANU I., NISTOR I.D., <i>Étude comparative de la synthèse et de la caractérisation d'argiles pontées en utilisant des polyhydroxocations différentes</i> , LE DIXIEME COLLOQUE FRANCO-ROUMAIN DE CHIMIE APPLIQUEE, 27-29 BACĂU – ROUMANIE, Juin 2018 .
12. MIRILA D.C., PÎRVAN M.Ș., PLATON N. , DIDI M. A., NISTOR I.D., ABDELKRIM A., <i>Advanced oxidation processes used in food dyes removal – with emphasis on tartrazine (E 102)</i> , MODERN TECHNOLOGIES IN THE FOOD INDUSTRY – MTFI, Chișinău, Octobre 18-20, 2018
13. PASCAL N., GRECU CRISTIAN., PLATON N. , - <i>Preparate din carne de pui: nuggets din piept de pui</i> „Ingineria – profesia viitorului”, ediția a III – a , SNCSS Bacău, 2019 .
14. PLATON N. , TIMOȘENCO V., MUNTEANU M., JICU M.T., LOVIN I., TURCU M., <i>Nitrații și nitriții din farfurie</i> , Conferința internațională de științe aplicate, ediția a 11-a, 22-24 mai 2019 , secțiunea - învățământ preuniversitar, Bacău.
15. ARUS V.A., PLATON N. , MIRON R., FOTEA M. <i>Utilizarea cânepei la fabricarea unui produs alimentar funcțional</i> , Sesiunea Studențească De Comunicări Științifice "Biodiversitate și tinerețe", ediția a XVI-a, Mai 2024 , Bacău.
16. ARABOAIIE S., CALOIAN M., <i>Biomuffins cu ingrediente functionale</i> , coordonatori ARUS V.A., PLATON N. , Sesiunea națională de comunicări științifice studențești „INGINERIA – PROFESIA VIITORULUI”, SNCSS BACĂU- 2024 .

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Data completării,

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**Semnătura,
S.l. dr. ing. PLATON Nicoleta**