

Selectie PUBLICATII (reviste ISI)

1	Luminița Grosu, Oana-Irina Patriciu, Irina-Claudia Alexa, Adriana-Luminița Finaru , <i>Development, Physicochemical, and Sensory Evaluation of Naturally Formulated Dehydrated Fruits Rolls Enriched with Sea Buckthorn and Grape Freeze-Dried Pomace Powders</i> , Foods 2026 , 15, 3059, https://doi.org/10.3390/foods15173059
2	Elena Petronela Bran, Luminița Grosu, Gabriel-Alin Iosob, Irina-Claudia Alexa, Petre Marian Brezeanu, Adriana-Luminița Finaru* , <i>Exploratory Assessment of Some Regional Food-Wastes as Potential Biofertilizers: Effects on Vegetative Growth and Phytochemical Profile of Phaseolus vulgaris L.</i> , Sustainability , 2026 , 18(14), 7312; https://doi.org/10.3390/su18147312
3	Anca Sandu-Bălan (Tăbăcariu), Ioana-Adriana Ștefănescu, Oana-Irina Patriciu, Liliana Mătă, Irina-Loredana Ifrim, Adriana-Luminita Finaru , <i>Teaching Sustainable Chemistry & Circular Economy in Lower Secondary Schools: A Comparative Study of Traditional and STEM Methods</i> , Sustainability , 2026 , 18, 4539, https://doi.org/10.3390/su18094539
4	Irina-Loredana Ifrim, Ionut, Avătmănitei, Oana-Irina Patriciu, Cristina-Gabriela Grigoras, and Adriana-Luminita Finaru , <i>Natural Mineral Waters as Solvents for Sustainable Extraction of Polyphenolic Compounds from Aronia Stems</i> , Foods , 2026 , 15, 406, https://doi.org/10.3390/foods15020406
5	Mirela Suceveanu, Luminița Grosu, Irina-Claudia Alexa, Adriana Luminița Finaru , <i>VALORISATION POTENTIAL OF FETEASCĂ NEAGRĂ GRAPE POMACE FOR OBTAINING HONEYBASED FORTIFIED INNOVATIVE PRODUCT</i> , Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry , ISSN 1582-540X, 2020 , vol.21, nr. 2, p.243-252, WOS: 000546789300009
6	Irina-Loredana Ifrim, Ionut, Avătmănitei, Oana-Irina Patriciu, Cristina-Gabriela Grigoras, and Adriana-Luminita Finaru , <i>Natural Mineral Waters as Solvents for Sustainable Extraction of Polyphenolic Compounds from Aronia Stems</i> , Foods , 2026 , 15, 406, https://doi.org/10.3390/foods15020406
7	Elena Petronela Bran, Oana-Irina Patriciu, Luminița Grosu, Irina-Claudia Alexa,* , Brîndusa Bălănuță, Adrian-Ionut, Nicoară and Adriana-Luminita Finaru* , <i>The Influence of Different Parameters for the Removal of Pb and Zn Ions on Unmodified Waste Eggshells</i> , Materials , 2025 , 18, 2794. https://doi.org/10.3390/ma18122794
8	Andreea Georgiana Roșcan, Irina-Loredana Ifrim, Oana-Irina Patriciu and Adriana-Luminița Finaru* , <i>Exploring the therapeutic value of some vegetative parts of Rubus and Prunus: a literature review on bioactive profiles and their pharmaceutical and cosmetic interest</i> , Molecules , 2025 , 30,3144. https://doi.org/10.3390/molecules30153144
9	Daniela Nicuță, Luminița Grosu, Irina-Claudia Alexa, Adriana-Luminița Finaru* , <i>Sustainable Characterization of Some Extracts of Origanum vulgare L. and Biosafety Evaluation Using Allium cepa Assay</i> , Horticulturae , 2024 , 10 (5), 504; https://doi.org/10.3390/horticulturae10050504
10	Anca Sandu-Bălan (Tăbăcariu); Irina-Loredana Ifrim; Oana-Irina Patriciu; Ioana-Adriana Ștefănescu; Adriana-Luminița Finaru , <i>Walnut By-Products and Elderberry Extracts—Sustainable Alternatives for Human and Plant Health</i> , Molecules , 2024 , Volume 29, Issue 2, 498-529, https://doi.org/10.3390/molecules29020498
11	Lavinia MISĂILĂ, Narcis BÂRSAN, Dumitra RĂDUCANU, Luminița GROSU, Oana-Irina PATRICIU, Irina-Claudia ALEXA, Adriana-Luminița FÎNARU* , <i>Eco-friendly and efficient monitoring of physico-chemical parameters of some mineral water from Slanic Moldova (Romania) during storage in different conditions – a case study</i> , Ovidius University Annals of Chemistry (ISSN 1583-2430; eISSN 2286-038X), 2023 , 34 (2), 72-82, https://doi.org/10.2478/auoc-2023-0010 , WOS:001068017600002.
12	Lavinia MISĂILĂ, Narcis BÂRSAN, Florin Marian NEDEFF, Dumitra RĂDUCANU, Cristian RADU, Luminița GROSU, Oana-Irina PATRICIU, Lucian GAVRILĂ, Adriana-Luminița FÎNARU , <i>Perspectives for quality evaluation of some mineral waters from Slanic Moldova</i> , Water (ISSN: 2073-4441), 2022 , 14 (19), 2942, https://doi.org/10.3390/w14192942 .
13	Ostache, N-C., Paris, A., Hiebel, M-A., Finaru, A-L. , Daniellou, R., Suzenet, F., Guillaumet G., 2022 , <i>CYTOTOXIC EVALUATION OF ORIGINAL PYRAZOLO[3,4-d]THIAZOLES AND PYRAZOLO[3,4-c]PYRAZOLES</i> , FARMACIA , Vol. 70, nr.2, p. 258-265, https://doi.org/10.31925/farmacia.2022.2.10
14	Ostache, N-C., Hiebel, M-A., Finaru, A-L. , Allouchi, H., Guillaumet G., Suzenet, F., 2021 , <i>Access and modulation of substituted 1-methyl-1,6-dihydropyrazolo[3,4-c]pyrazoles</i> , RSC ADVANCES , vol.11, nr.16, p. 9756-9765, DOI: 10.1039/d1ra00314c.

15	Misaila, L., Barsan, N., Nedeff, F.-M., Raducanu, D., Grosu, L., Patriciu, O.-I., Gavrilă, L., Finaru, A.-L.* , <i>Quality assessment of Slanic-Moldova mineral waters stored in reusable bottles</i> , Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry , ISSN 1582-540X, 2020 , vol.21, nr. 2, p.253-262, WOS:000546789300010.
16	A.M. (Maciucă) Birtrea, A. Poloboc, N.C. Tampu, R.I. Tampu, O.-I. Patriciu, B. Claude, R. Nehme, A.L. Finaru* , <i>EVALUATION OF THE CORROSION INHIBITION POTENTIAL OF RAPHANUS SATIVUS AND SPINACIA OLERACEA EXTRACTS PART I: INFLUENCE OF THE COMPOSITION OF THE CORROSIVE MEDIA ON THE CHARACTERISTICS OF PLANT EXTRACTS</i> , Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry , ISSN 1582-540X, 2020 , vol.21, nr. 2, p.279-288, WOS:000546789300013
17	Misaila, L., Nedeff, F.-M., Barsan, N., Sandu, I.-G., Grosu, L., Patriciu, O.-I., Gavrilă, L., Finaru, A.-L.* , <i>WATERSHED - Android Application for the Mineral Waters Classification</i> , REVISTA de CHIMIE , 0034-7752, 2019 , vol.70, nr.6, p. 2212-2217, WOS:000475860100067
18	Ostache, N.-C., Hiebel, M.-A., Finaru, A.-L. , Guillaumet G., Suzenet, F., <i>Copper-assisted synthesis of novel pyrazolo[3,4-d]thiazoles</i> , CHEMCATCHEM , 1867-3880; eISSN: 1867-3899, 2019 , vol.11, nr.15, p.3530-3533, DOI: 10.1002/cctc.201900707
19	Patriciu, O.-I., Ciobanu, Ș., Nicuță, D., Grosu, L., Suceveanu, M., Alexa, I.-C., Finaru, A.-L.* , <i>Research regarding the potential activity of some heterocyclic compounds on plants growth and development</i> , Scientific Study & Research: Chemistry & Chemical Engineering, Biotechnology, Food Industry (ISSN 1582-540X), 2017 , vol.18, nr.2, p. 31-41.
20	E. Deau, E. Robin, R. Voinea, N. Percina, G. Satală, A.-L. Finaru , A. Chartier, G.-D. Tamagnan, D. Alagille, A.-J. Bojarski, S. Morisset-Lopez, F. Suzenet, G. Guillaumet, 2015 , <i>Rational Design, Pharmacomodulation, and Synthesis of Dual 5-Hydroxytryptamine 7 (5-HT₇)/5-Hydroxytryptamine 2A (5-HT_{2A}) Receptor Antagonists and Evaluation by [18F]-PET Imaging in a Primate Brain</i> , JOURNAL OF MEDICINAL CHEMISTRY , Vol.58, p.8066-8096, ISSN 0022-2623.
21	Alexa, I.-C., Pavăl P., Nicuță, D., Bran, P., Patriciu, O.-I., Grosu, L., Finaru, A.-L.* , <i>Effects of hormones addition for in vitro plant development of Calendula officinalis</i> Scientific Study & Research: Chemistry & Chemical Engineering, Biotechnology, Food Industry (ISSN 1582-540X), 2015 , vol.XVI, nr.1, p.75-80.
22	Grig Alexa, I.-C., Simoionescu, I., Patriciu O.-I., Massip, S., Finaru A.L.* , Jarry, C., Léger, JM, Guillaumet G.*, 2012 , <i>Efficient and Selective Synthesis of bi- and trisubstituted N,N'-Dipyridinylamines and N,N'-Pyridinylphenylamines</i> , Tetrahedron Lett. , Vol.53, p.1885-1888, ISSN 0040-4039.
23	Luminița Grosu, Barbara Fernandez, Cristina Gabriela Grigoraș, Oana Irina Patriciu, Irina-Claudia Grig-Alexa, Daniela Nicuță, Domnica Ciobanu, Lucian Gavrilă, Adriana Luminița Finaru* , 2012 , <i>Valorization of whey from dairy industry for agricultural use as fertiliser: effects on plant germination and growth</i> , Environmental Engineering and Management Journal , 11 (12), p.1821-1828.
24	Suceveanu, M., Raicopol, M., Enache, R., Finaru, A. , Roșca, S.I., <i>Selective Reductions of the Carbonyl Compounds and Aryl Halides with Ni-Al Alloy in Aqueous Alkali Medium</i> , Letters in Organic Chemistry , Vol. 8, No. 10, 2011 , ISSN 1570-1786.
25	Chirita, R.-I., West, C., Zubrzycki, S., Finaru, A.L. , Elfakir, C., 2011 , <i>Investigations on the chromatographic behaviour of zwitterionic stationary phases used in hydrophilic interaction chromatography</i> , Journal of Chromatography A , vol.1218, nr.35, p.5939-5963, ISSN 0021-9673.
26	Badarau E., Suzenet F., Bojarski A.J., Finaru A.L. , Guillaumet G., 2010 , <i>New Insights in the Homopiperazine-based 5-HT_{1A}/5-HT₇R ligands: Synthesis and biological evaluation</i> , Journal of Enzyme Inhibition and Medicinal Chemistry , vol. 25, nr. 3, p. 301-305, ISSN 1475-6366.
27	Olar, R., Badea, M., Marinescu, D., Chifiriuc, CM, Bleotu, C., Grecu, MN, Iorgulescu, EE, Bucur, M, Lazar, V, Finaru, A. , 2010 , <i>Prospects for new antimicrobials based on N,N-dimethylbiguanide complexes as effective agents on both planktonic and adhered microbial strains</i> , European Journal of Medicinal Chemistry , vol. 45, nr. 7, p. 2868-2875, ISSN 0223-5234.
28	Badarau E., Bugno R., Suzenet F., Bojarski A.J., Finaru A.L. , Guillaumet G., 2010 , <i>SAR studies on new bis-aryls 5-HT₇ ligands: Synthesis and molecular Modelling</i> , Bioorganic & Medicinal Chemistry , vol. 18, nr. 5, p. 1958-1968, ISSN 0968-0896.
29	Badarau E., Suzenet F., Bojarski A.J., Finaru A.L. , Guillaumet G., 2009 , <i>Benzimidazolone-based serotonin 5-HT_{1A} or 5-HT₇R ligands: Synthesis and biological evaluation</i> , Bioorganic & Medicinal Chemistry Letters , vol. 19, nr. 6, p.1600-1603.
30	Patriciu, OI, Finaru, A.L. , Massip, S, Léger, JM, Jarry, C, Guillaumet, G, 2009 , <i>Smiles Rearrangement as a Tool for the Preparation of Dihydrodipyridopyrazines</i> , Organic Letters , vol. 11 (23), p. 5502-5505. ISSN 1523-7060.
31	Badarau E., Suzenet F, Finaru A.L. , Guillaumet G., 2009 , <i>Synthesis of 3-Amino-8-azachromans and 3-Amino-7-azabenzofurans via Inverse Electron Demand Diels-Alder Reaction</i> , European Journal of Organic Chemistry , vol. 21, p. 3619-3627.
32	Patriciu OI, Pillard C., Finaru A.L. , Sandulescu I., Guillaumet G., 2007 , <i>Synthesis of Nitro N,N'-Dipyridinylamines via</i>

	<i>Oxidative Nucleophilic Substitution of Hydrogen</i> , Synthesis , vol. 24, p.3868-3876, ISSN 2033-2040.
33	Grig-Alexa, I. C., Finaru, A. L. , Caubère, P., Guillaumet, G., 2006 , <i>Lithiation Directed by Amino Alkoxides. Application to the Synthesis of New Disubstituted Dihydro-dipyridopyrazines</i> , Organic Letters , vol.19, p.4187-4189, ISSN 1523-7060.
34	Grig-Alexa, I. C., Finaru, A. , Ivan, L., Caubere, P., Guillaumet, G., 2006 , <i>Efficient Synthesis of 2-N-Substituted-3-Bromopyridines and Their Hetarynic Cyclization</i> , Synthesis , vol. 4, p.619-628, ISSN 2033-2040.
35	Grig Alexa, I.-C., Finaru, A. , Ivan, L., Caubere, P., Guillaumet, G., 2004 , <i>Functionalisation of dihydrodipyridopyrazines involving palladium-catalyzed coupling reactions</i> , Tetrahedron Lett. , vol. 45, no.11, p.2343-2346, ISSN 0040-4039.
36	Grig Alexa, I.-C., Garnier, E., Finaru, A. , Ivan, L., Caubere, P., Guillaumet, G., 2004 , <i>Hetarynic synthesis and chemical transformations of dihydrodiquinolopyrazines</i> , Synlett , 11, p.2000-2004, ISSN 0936-5214.
37	Lazar, S., Leger, J. M., Chirita, R., Grig-Alexa, I.-C., Finaru, A. , Guillaumet, G., 2004 , <i>Smiles rearrangement as tool for the preparation of 2-substituted-2,3-dihydro[1,4] dioxino[2,3-b]pyridine derivatives</i> , Tetrahedron , 60, p.6461-6473, ISSN 040-4020.
38	Berthault, A., Bertein-Raboin, S., Finaru, A. , and Guillaumet, G. 2004 , <i>Solid phase Melatonin Derivatives via Palladium-mediated Coupling Reactions using Microwave Irradiation</i> , QSAR & Combinatorial Science , vol.23, nr.10, p.850-853, ISSN 1611-020X.
39	Finaru, A. , Besson, T., Guillaumet, G. and Bertein-Raboin, S., 2003 , <i>Studiu privind optimizarea reactiei de fixare a acidului 4-amino-3-iodo benzoic pe suport solid sub actiunea microundelor</i> , Revista de Chimie , vol. 54, nr.11, p.895-898.
40	Finaru, A. , Cascaval, A., Prisecaru, M., 2003 , <i>Sinteza si caracterizarea unor mono-baze Mannich-Werner ale 4-cromanonelor, potentiali regulatori de crestere a plantelor</i> , Revista de Chimie , vol.54, nr.10, p.841-844, ISSN 0034-7752.
41	Finaru, A. , Berthault, A., Besson, T., Guillaumet, G., Bertein-Raboin, S., 2002 , <i>Microwave-assisted synthesis of 5-carboxymethoxy-N-acetyltryptamine derivatives</i> , Tetrahedron Letters , vol. 43, nr. 5, p.787-790, ISSN 0040-4039.
42	Finaru, A. , Berthault, A., Besson, T., Guillaumet, G., Bertein-Raboin, S., 2002 , <i>Microwave-assisted solid phase synthesis of 5-carboxamide-N-acetyltryptamine derivatives: application to solid-phase synthesis</i> , Organic Letters , vol. 4, nr. 16, p.2613-2615.
43	Finaru, A. , Salageanu, I., Segal, E., 2000 , <i>Non-isothermal kinetic study of the heterogeneous thermal decomposition of a Mannich compound</i> , Journal of Thermal Analysis and Calorimetry , vol. 61, p.239-242, ISSN 1418-2874. https://link.springer.com/article/10.1023/A:1010197632277
44	Finaru, A. , Cascaval, A., Tudorache, E., Prisecaru, M.: <i>Sinteze de N,N-dialchil ditiocarbamati de fenacil substituit</i> , Revista de Chimie , vol.50, Nr.1, 1999 , p.8-12.
45	Cascaval A., Finaru, A. , Prisecaru, M., <i>Synthese de quelques 4-chromanones 2-substituees utilisant des ortho-hydroxy-cetophenones</i> , Rev. Roumaine de Chimie , 43 (8), 1998 , p. 747 –751.
46	Cornea, F., Ivan, L., Segal, E., Haures, A. , (Finaru A.): <i>"The thermal stability of two substituted thioamides"</i> , "Journal of Thermal Analysis" , vol. 34, 1988 , p.1485-1488. https://doi.org/10.1007/BF01914372 (Schimbare titlu <i>Journal of Thermal Analysis and Calorimetry</i>)

Selectie PROIECTE (responsabil):

- BRANCUSI 14944RB (**2007-2008**) : «Synthèse et analyse de molécules hétérocycliques pour traiter le cancer et les maladies du système nerveux central».
- ECO-NET (**2008-2009**) : «Valorisation chimique des agro-ressources. Caractérisation et isolement de molécules bioactives dans des extraits de plantes».
- CEEX 109/2006 (**2006-2009**) : «Valorisation biotechnologique de potentiel productive de *Hyppophae rhamnoides* Ssp. *Carpathica* pour une agriculture durable».
- POSDRU /86/1.2/S/56711 (36 luni, **01.11.2010 - 31.10.2013**, prelungire **2016**) - Partener 3 : «Calitate și expertiză în elaborarea și implementarea metodologiei de obținere și testare de produse competitive prin formarea profesională în cadrul unor noi programe de master cu impact major pe piața muncii», Master implicat în proiect – CoSAMIB;
- AUF-BECO - «Organisation de séminaires doctoraux», N/Ref: CE/FF/124/**2016-2017**: « L'utilisation de techniques innovantes dans l'obtention de molécules biologiquement actives » Consortiu: IOSUD- Universitatea „Vasile Alecsandri” din Bacau-responsabil proiect; Partener 1- Universitatea din Orleans, Franta; Partener 2 – Universitatea Tehnica a Moldovei, Republica Moldova;
- CNFIS-FDI-**2023-0055**: «Consolidarea strategiei de internaționalizare a UBc prin extinderea parteneriatelor și intensificarea mobilității academice – Inter_Connect_ UBc ».

Selecție CĂRTI/MANUALE

1. Tâmpu R.-I., Patriciu O.-I., **Finaru A.-L.: Metode de analiză și posibilități de valorificare a unor produse vegetale**, Editura Alma Mater, Bacău, ISBN 978-606-527-697-0, **2022**;
2. **Adriana-Luminița Finaru**, Oana-Irina Patriciu, : **CHIMIA COMPUȘILOR ORGANICI CU FUNCȚIUNI ȘI A HETEROCICLILOR** - Note de curs și aplicații, Editura ALMA MATER, Bacău, ISBN 978-606-527-414-3, **2014**;
3. **Finaru, A.**, Suceveanu M., Patriciu O.-I., : **TEHNICI EXPERIMENTALE ÎN CHIMIA ORGANICĂ**, Ed. Alma Mater, Bacău, ISBN 978-606-527-060-2, **2009**;
4. **Finaru, A.**, : **MICROUNDRE – Aplicații în sinteza și separarea compușilor organici**, Ed. Alma Mater, Bacău, ISBN 978-606-527-059-6, **2009**;
5. **Finaru, A.**, : **METODE FIZICO-CHIMICE cu aplicații în analiza structurală organică și controlul calității alimentelor**, vol.I, Ed. Alma Mater, Bacău, ISBN: 973-98525 –1-3, **1999**.

Prof. univ. dr. habil. Adriana-Luminița Fînaru