

LISTA LUCRĂRI ȘTIINȚIFICE – Șef lucrări dr. ing. ALEXA Irina-Claudia

1. **Doctorat în Chimie Organică** – noiembrie 2001 – decembrie 2004 - cu susținerea tezei la Universitatea din Orléans (Franța) în februarie 2005 - teză în cotutelă între Universitatea din Bacău (România) și Universitatea din Orléans (Franța), sub conducerea Prof. Gérard Guillaumet și Prof. Adriana Fînaru.
Tema tezei de doctorat «*Synthèse et chimie d'hétérocycles azotés polycycliques. Application à l'obtention de composés antitumoraux*»

2. Cărți și capitole de cărți

1. **Irina-Claudia Alexa**, *Procese enzimatică și fermentative*, Editura Alma Mater Bacău, **2020**, 158 pagini, ISBN 978-606-527-641-3.
2. **Irina-Claudia Alexa**: *Studiul relației structură-activitate biologică. Drug Design, Note de curs și seminar*, Editura Alma Mater, Bacău, **2017**, 96 pagini, ISBN 978-606-527-577-5.
3. **Irina-Claudia Alexa**: *Biochimie – note de curs*, Editura Alma Mater, Bacău, **2014**, 159 pagini, ISBN 978-606-527-412-9.
4. **Irina-Claudia Alexa**, Elena-Mirela Suceveanu, Ioana Adriana Ștefănescu: *Biochimie – îndrumar de laborator*, Editura Alma Mater, Bacău, **2014**, 195 pagini, ISBN 978-606-527-411-2.
5. Adriana Dabija, Lăcrămioara Rusu, **Irina-Claudia Alexa** – *Enzimologie industrială* - curs, Editura Alma Mater, Bacău, **2007**, 192 pagini, ISBN 978-973-1833-32-3.
6. Abdelkrim Azzouz, Anita Zvolinschi, Andrei Simion, **Irina Grig (Alexa)**: *Utilaj și tehnologie în industria laptelui – îndrumar de laborator*, Casa Editorială Demiurg, **2001**, 123 pagini, ISBN 973-8076-13-7.

3. Articole științifice publicate în reviste cotate ISI

1. Grosu, L., Ferent, E., Nicuță, D., **Alexa, I.C.**: *Approach regarding the biosafety evaluation of black and red currant pomace extracts using Allium cepa test*, **Ovidius University Annals of Chemistry**, **2024**, 35, 126-137. WOS:001338951200002 DOI: [10.2478/auoc-2024-0017](https://doi.org/10.2478/auoc-2024-0017)
2. Nicuță, D.; Grosu, L.; **Alexa, I.-C.**; Fînaru, A.-L. Sustainable Characterization of Some Extracts of *Origanum vulgare* L. and Biosafety Evaluation Using *Allium cepa* Assay, **Horticulturae**, **2024**, 10, 504. <https://doi.org/10.3390/horticulturae>
3. Lavinia Misaila, Dumitra Răducanu, Narcis Barsan, Luminita Grosu, Oana-Irina Patriciu, **Irina-Claudia Alexa**, Adriana-Luminita Finaru: *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* - **Ovidius University Annals of Chemistry**, Print ISSN: 1583-2430, Electronic ISSN: 2286-038X, **2023**, 34 (2), 72-82, DOI: [10.2478/auoc-2023-0010](https://doi.org/10.2478/auoc-2023-0010), WOS:001068017600002.
4. Lavinia Misailă, Dumitra Răducanu, Narcis Bârsan, Luminița Grosu, Oana-Irina Patriciu, **Irina-Claudia Alexa** - *Assessment of the microbiota of some mineral water from slanic moldova (romania): seasonal evaluation and after storage in different conditions*- **Studii și Cercetări Științifice** - Chimie și Inginerie Chimică, Biotehnologii, Industrie Alimentară / **Scientific Study & Research** - Chemistry & Chemical Engineering, Biotechnology, Food Industry, **2023**, 24 (2), 97-110, WOS:001025811900002.
5. Petronela Elena BRAN, Daniela NICUȚĂ, Luminița GROSU, Oana-Irina PATRICIU, **Irina-Claudia ALEXA*** - *Investigation regarding the potential application of grape pomace extracts on in vitro plant growth and development* - **Ovidius University Annals of Chemistry**, Print ISSN: 1583-2430, Electronic ISSN: 2286-038X, **2022**, 33 (2), 135-142. DOI <https://doi.org/10.2478/auoc-2022-0020>, WOS:000843699700002.
6. Elena-Mirela Suceveanu, **Irina-Claudia Alexa*** - *Sensory and physicochemical evaluation of some varieties of Romanian artisanal mead* - **Studii și Cercetări Științifice** - Chimie și Inginerie Chimică, Biotehnologii, Industrie Alimentară / **Scientific Study & Research** - Chemistry & Chemical Engineering, Biotechnology, Food Industry, **2021**, 22 (2), 235-243, WOS:000681369800009.
7. Elena-Mirela Suceveanu, Luminița Grosu, **Irina-Claudia Alexa***, Adriana Fînaru - *Valorisation potential of Fetească neagră grape pomace for obtaining honeybased fortified innovative product* - **Studii și Cercetări Științifice** - Chimie și Inginerie Chimică, Biotehnologii, Industrie Alimentară / **Scientific Study & Research** - Chemistry & Chemical Engineering, Biotechnology, Food Industry, **2020**, 21 (2), 243-252, WOS:000546789300009.
8. Marius Ionel Nădejde, Elena-Petronela Bran, Dorel Ureche, **Irina-Claudia Alexa**, Gabriel Lazăr, Iuliana Mihaela Lazăr - *Correlations between morphological characteristics and heavy metals concentration in three species of freshwater fish* - **Studii și Cercetări Științifice** - Chimie și Inginerie Chimică, Biotehnologii, Industrie Alimentară / **Scientific Study & Research** - Chemistry & Chemical Engineering, Biotechnology, Food Industry, **2019**, 20 (2), 277-289, WOS:000474825800012.

9. Mirela Suceveanu, **Irina-Claudia Alexa**, Oana-Irina Patriciu, Luminița Grosu, Adriana Fînaru - *Physicochemical characterization and acceptability of some artisanal mint liqueurs* - **Studii și Cercetări Științifice** - Chimie și Inginerie Chimică, Biotehnologii, Industrie Alimentară / **Scientific Study & Research** - Chemistry & Chemical Engineering, Biotechnology, Food Industry, **2018**, 19 (2), 203-210, **WOS:000436394900009**.
10. Oana-Irina Patriciu, Ștefan Ciobanu, Daniela Nicuță, Luminița Grosu, Mirela Suceveanu, **Irina-Claudia Alexa**, Adriana Luminița Fînaru - *Research regarding the potential activity of some heterocyclic compounds on plants growth and development* - **Studii și Cercetări Științifice** - Chimie și Inginerie Chimică, Biotehnologii, Industrie Alimentară / **Scientific Study & Research** - Chemistry & Chemical Engineering, Biotechnology, Food Industry, **2017**, 18 (2), 191-200, **WOS:000406261500008**.
11. Iulian Suceveanu, **Irina-Claudia Alexa**, Luminița Grosu, Oana-Irina Patriciu, Irina Ifrim, Mirela Suceveanu - *Application of the HACCP method in the swine abattoir by scalding-skinning ecological processing / Application de la methode HACCP dans l'abattoir porcin par le processus ecologique d'échaudage-dépeçage* - **Studii și Cercetări Științifice** - Chimie și Inginerie Chimică, Biotehnologii, Industrie Alimentară / **Scientific Study & Research** - Chemistry & Chemical Engineering, Biotechnology, Food Industry, **2017**, 18 (1), 73-84, **WOS:000396720500008**.
12. **Irina-Claudia Alexa**, Petronel Pavăl, Daniela Nicuță, Petronela Bran, Oana-Irina Patriciu, Luminița Grosu, Adriana Luminița Fînaru - *Effects of Hormones Addition for in Vitro Plant Development of Calendula Officinalis*, **Studii și Cercetări Științifice** - Chimie și Inginerie Chimică, Biotehnologii, Industrie Alimentară / **Scientific Study & Research** - Chemistry & Chemical Engineering, Biotechnology, Food Industry, **2015**, 16 (2), 75-79, , **WOS:000366598100008**.
13. Luminița Grosu, **Irina-Claudia Alexa**, Oana-Irina Patriciu - *Study Concerning the Production of Biomass Protein by Valorisation of By-Products From The Dairy Industry (Etude concernant l'obtention de biomasse proteique par valorisation des sous-produits de l'industrie laitière)*, **Studii și Cercetări Științifice** - Chimie și Inginerie Chimică, Biotehnologii, Industrie Alimentară / **Scientific Study & Research** - Chemistry & Chemical Engineering, Biotechnology, Food Industry, **2015**, 16 (2), 169-172, **WOS:000366599100007**.
14. Grosu, L., Fernandez, B., Grigoras, C.G., Patriciu, O.I., **Grig-Alexa, I.C.**, Nicuta, D., Ciobanu, D., Gavrilă, L., Fînaru, A.L. - *Valorization Of Whey From Dairy Industry For Agricultural Use As Fertiliser: Effects On Plant Germination And Growth*, **Environmental Engineering And Management Journal**, **2012**, 11 (12), 2203-2210, DOI10.30638/eemj.2012.273. **WOS:000314169000011**
15. **Grig-Alexa, I.C.**, Simionescu, I., Patriciu, O.I., Massip, S., Fînaru, A.L., Jarry, C., Jean-Michel Léger, Guillaumet, G. - *Efficient and Selective Synthesis of Alkoxy substituted di(pyridin-2-yl)amines and n-arylpyridin-2-ylamines*, **Tetrahedron Lett.**, **2012**, 53, 1885-1888. DOI10.1016/j.tetlet.2012.01.084 **WOS:000302451300004**
16. **Grig-Alexa, I. C.** Fînaru, A. L., Routier, S., Bailly, C., Caubère, P., Guillaumet, G. - *Synthesis of 4,6-Disubstituted Dihydrodipyridopyrazines and Assessment of Their DNA Binding*, **Revista de Chimie**, **2008**, 59, 266-268. **WOS:000255966000004** <https://doi.org/10.37358/RC.08.3.1745>
17. **Grig-Alexa, I. C.**, Fînaru, A. L., Caubère, P., Guillaumet, G. - *Lithiation Directed by Amino Alkoxides. Application to the Synthesis of New Disubstituted Dihydrodipyridopyrazines*, **Organic Letters**, **2006**, 19,4187-4189. DOI10.1021/ol061178e **WOS:000240339700004**
18. **Grig-Alexa, I. C.**, Fînaru, A. L., Ivan, L., Caubère, P., Guillaumet, G. - *Efficient Synthesis of 3-Bromo-2-[(N-substituted)pyridines and Their Hetarynic Cyclization*, **Synthesis**, **2006**, 619-628. DOI10.1055/s-2006-926311 **WOS:000235670600009**
19. **Grig-Alexa, I. C.**, Fînaru, A. L., Ivan, L., Caubère, P., Guillaumet, G. - *Functionalization of dihydrodipyridopyrazines involving palladium-catalyzed coupling reactions*, **Tetrahedron Lett.**, **2004**, 45, 2343-2346. DOI10.1016/j.tet.2004.06.041 **WOS:000222863600005**
20. **Grig-Alexa, I. C.**, Garnier, E., Fînaru, A. L., Ivan, L., Jarry, C., Léger, J.-M., Caubère, P., Guillaumet G. - *Hetarynic Synthesis and Chemical Transformations of Dihydrodiquinolinopyrazines*, **Synlett**, **2004**, 2000-2004. DOI10.1055/s-2004-830876 **WOS:000223845200029**
21. Lazar, S., Soukri, M., Léger, J.-M., Jarry, C., Akssira, M., Chiriță, R., **Grig-Alexa, I. C.**, Fînaru, A.L., Guillaumet, G. - *Efficient synthesis of 2- and 3-substituted-2,3-dihydro[1,4]dioxino[2,3-b]pyridine derivatives*, **Tetrahedron**, **2004**, 60, 6461-6473. DOI10.1016/j.tetlet.2004.01.092 **WOS:000220011000017**

4. Articole științifice publicate în alte reviste decât cele cotate ISI

1. Suceveanu Mirela, Suceveanu Iulian, Grosu Luminița, **Alexa Irina-Claudia** - *Treatment of wastewater from swine and poultry slaughterhouses* - JESR - Journal of Engineering Studies and Research, **2018**, vol. 24, nr. 2, pag. 41-45.
2. Blanchard, S., **Grig-Alexa, I.C.**, Patriciu, O.I., Fînaru, A.L., Guillaumet, G. - *Dihydrodipyridopyrazines: Synthese et fonctionnalisation*, **Scientific Study & Research**, **2010**, 11, 45-65.

3. Spatariu, S., **Grig-Alexa, I.C.**, Fînaru, A. L. - *Influence du séchage sur la composition chimique de différentes variétés de pommes*, Scientific Study & Research, **2007**, 8, 445-450.
4. **Grig-Alexa, I. C.**, Garnier, E., Fînaru, A. L., Ivan, L., Jarry, C., Léger, J.-M., Caubère, P., Guillaumet G. - *Synthèse d'hétérocycles azotés polycycliques dihydrodiquinolénopyrazines et oxazoloquinoléines*, Actes du Troisième Colloque Franco-Roumain de Chimie Appliquée, **2004**, 63-66.
5. **Grig-Alexa, I.C.**, Blanchard, S., Fînaru, A. L., Ivan, L., Caubère, P., Guillaumet, G. – *Etudes de la synthèse et des propriétés d'une nouvelle famille d'antitumoraux : les dihydrodipyridopyrazines*, Actes du Deuxième Colloque Franco-Roumain de Chimie Appliquée, **2002**, 59-60.
6. **Grig, I.C.**, Fînaru, A. L., Ivan, L., Laduree, D. - *Synthèse d'analogues du D4T substitués en position 5 par un bras de liaison oléfinique et acétylénique comportant une fonction acide hydroxamique terminale – inhibiteurs de la ribonucleotide réductase (anti-HIV)*, Actes du Colloque Franco-Roumain de Chimie Appliquée, **2000**, 46-47.

5. Participarea la diverse manifestări științifice naționale și internaționale

1. Elena-Petronela Bran, Daniela Nicuță, Luminița Grosu, **Irina-Claudia Alexa**, Adriana-Luminița Fînaru - REGIONAL FOOD BY-PRODUCTS AND WASTE AS A POTENTIAL SOURCE OF BIOACTIVE COMPOUNDS - *IN VIVO AND IN VITRO EVALUATION*, A XXXVII-a CONFERINȚĂ NAȚIONALĂ DE CHIMIE – **CNChim-2024**, 25-27 septembrie 2024, Târgoviște, poster.
2. **Irina-Claudia Alexa**, Luminița Grosu, Daniela Nicuță, Oana-Irina Patriciu, Adriana-Luminița Fînaru - RESEARCH ON THE VALORIZATION OF AGRO-FOOD BY-PRODUCTS AND WASTE, 5th Global Virtual Summit on Chemistry & Pharmaceutical Chemistry (online), London, May 25-26, 2024, poster.
3. **Irina-Claudia Alexa**, Luminița Grosu, Oana-Irina Patriciu, Adriana-Luminița Fînaru - APPROACHES ON THE SUSTAINABLE VALORIZATION OF AGRO-FOOD BY-PRODUCTS AND WASTE - The 19th International Conference of Constructive Design and Technological Optimization in Machine Building Field, **OPROTEH 2024** – 22-24 May 2024, <http://oproteh.ub.ro/>, prezentare orală.
4. Daniela Nicuță, Luminița Grosu, **Irina-Claudia Alexa** - TAURINE AND ENERGETIC BEVERAGES - *IN VIVO EVALUATION OF THE POTENTIAL CYTOTOXIC AND GENOTOXIC* - The 19th International Conference of Constructive Design and Technological Optimization in Machine Building Field, **OPROTEH 2024** – 22-24 May 2024, <http://oproteh.ub.ro/>, poster.
5. Luminița Grosu, Oana-Irina Patriciu, **Irina-Claudia Alexa**, Adriana-Luminița Fînaru - PHYSICO-CHEMICAL, PHYTOCHEMICAL AND SENSORIAL ANALYSES OF SOME ROMANIAN RED FRUITS TEA INFUSIONS - The 19th International Conference of Constructive Design and Technological Optimization in Machine Building Field, **OPROTEH 2024** – 22-24 May 2024, <http://oproteh.ub.ro/>, poster.
6. Elena-Petronela BRAN, **Irina-Claudia ALEXA**, Elena-Mirela SUCEVEANU, Daniela NICUȚĂ, Adriana-Luminița FÎNARU - RESEARCH CONCERNING THE VALORISATION OF EGGSHELLS AS BIOSORBENT FOR HEAVY METALS, **Conferința națională cu participare internațională Ecologia și Protecția Ecosistemelor**, Ediția a XIV-a, 2-4 noiembrie 2023, Bacău, România, <https://epe.ub.ro/>, poster
7. Daniela NICUȚĂ, **Irina-Claudia ALEXA**, Luminița GROSU, Oana-Irina PATRICIU, Adriana-Luminița FÎNARU - *ALLIUM CEPA* ASSAY – *IN VIVO* INVESTIGATION OF CYTOTOXICITY POTENTIAL OF DIFFERENT EXTRACTS OF NATURAL SOURCES, **Conferința națională cu participare internațională Ecologia și Protecția Ecosistemelor**, Ediția a XIV-a, 2-4 noiembrie 2023, Bacău, România, <https://epe.ub.ro/>, poster
8. **I.-C. ALEXA**, L. GROSU, O.-I. PATRICIU, A.-L. FÎNARU - FRUITS ROLLS ENRICHED WITH GRAPE POMACE POWDER - SENSORY EVALUATION AND CONSUMER ACCEPTABILITY , The 18th International Conference of Constructive Design and Technological Optimization in Machine Building Field, **OPROTEH 2023** – 11-13 May 2023, <http://oproteh.ub.ro/> , poster
9. D. NICUȚĂ, L. GROSU, **I.-C. ALEXA**, A.-L. FÎNARU - EXTRACTS OF BLACKCURRANT BERRIES POMACE - *IN VIVO* INVESTIGATION , The 18th International Conference of Constructive Design and Technological Optimization in Machine Building Field, **OPROTEH 2023** – 11-13 May 2023, <http://oproteh.ub.ro/> , poster
10. Cosmin-Nicu Ostache, Oana-Irina Patriciu, **Irina-Claudia Alexa**, Adriana-Luminița Fînaru, Marie-Aude Hiebel, Franck Suzenet, Gérald Guillaumet - GREEN CHEMISTRY METRICS FOR KEY STEPS IN PYRAZOLO[3,4-d]THIAZOLE AND PYRAZOLO[3,4-c]PYRAZOLES SYNTHESIS, A XXXVI-a CONFERINȚĂ NAȚIONALĂ DE CHIMIE – **CNChim-2022**, 04-07 octombrie 2022, Călimănești-Căciulata, **poster**.
11. Daniela Nicuță, **Irina-Claudia Alexa**, Luminița Grosu, Adriana-Luminița Fînaru - *IN VIVO EVALUATION OF CYTOTOXIC AND GENOTOXIC EFFECTS OF DIFFERENT OREGANO EXTRACTS USING ALLIUM CEPA TEST*, A XXXVI-a CONFERINȚĂ NAȚIONALĂ DE CHIMIE – **CNChim-2022**, 04-07 octombrie 2022, Călimănești-Căciulata, **poster**.

12. **Irina-Claudia Alexa**, Elena-Mirela Suceveanu, Daniela Nicuță, Luminița Grosu, Oana-Irina Patriciu, Adriana-Luminița Fînaru NEW APPROACHES FOR FETEASCĂ NEAGRĂ GRAPE POMACE VALORISATION, International Conference MODERN TECHNOLOGIES IN THE FOOD INDUSTRY– **MTFI 2022**, 20–22 October 2022, Chișinău (Republic of Moldova), Section Food Chemistry, Oenology and Biotechnology in the Food Industry, <https://mtfi.utm.md/>, **poster** (online conference)
13. **Irina-Claudia Alexa**, Elena-Mirela Suceveanu, Luminița Grosu, Oana-Irina Patriciu, Irina-Loredana Ifrim, Adriana-Luminița Fînaru - APPROCHES FOR HONEY-BASED FUNCTIONAL FOODS OBTENTION, **International Conference INTELLIGENT VALORISATION OF AGRO-INDUSTRIAL WASTES**. Republic of Moldova 2014-2020, Chisinau, 7-8 October **2021** <https://intelawastes.utm.md> **poster** (online conference)
14. D. Nicuță, **I.-C. Alexa**, L.Grosu, A.-L. Fînaru - INVESTIGATION REGARDIND CYTOTOXIC AND GENOTOXIC EFFECTS ON DIFFERENT EXTRACTS OF ORIGANUM VULGARE USING ALLIUM CEPA ASSAY, The 17th International Conference of Constructive Design and Technological Optimization in Machine Building Field, **OPROTEH 2022** – 25-27 May 2022, “Vasile Alecsandri” University of Bacau, Romania, <http://oproteh.ub.ro/>, **poster**
15. E.-P. Bran, **I.-C. Alexa**, E.-M. Suceveanu, C. Radu, A.-L. Fînaru - INVESTIGATION REGARDING THE INFLUENCE OF DIFFERENT PARAMETERS ON EGGSHELLS ADSORPTION EFFICIENCY, The 16th International Conference of Constructive Design and Technological Optimization in Machine Building Field - **OPROTEH 2021** – 25-27 May 2021, “Vasile Alecsandri” University of Bacau, Romania, Faculty of Engineering, *Section Optimization in Environmental Engineering and Environmental Protection*, **poster** (online conference)
16. **Alexa Irina-Claudia**, Suceveanu Elena-Mirela, Grosu Luminița, Patriciu Oana-Irina, Ifrim Irina-Loredana, Fînaru Adriana-Luminița - HONEY – A POTENTIAL SOURCE OF FUNCTIONAL FOODS, The 16th International Conference of Constructive Design and Technological Optimization in Machine Building Field - **OPROTEH 2021** – 25-27 May 2021, “Vasile Alecsandri” University of Bacau, Romania, Faculty of Engineering, *Section Optimization in Environmental Engineering and Environmental Protection*, **poster** (online conference)
17. **Alexa, I.-C.**, Suceveanu, E.-M., Grosu, L., Patriciu, O.-I., Fînaru, A.-L. - VALORISATION OF FETEASCĂ NEAGRĂ GRAPE POMACE - A POTENTIAL SOURCE OF INNOVATIVE PRODUCTS, **Advances in Food Chemistry International Conference**, Food Chemistry Division of Romanian Chemical Society, April 15-17, **2021**, **Oral presentation** (online conference)
18. Suceveanu, E.-M., **Alexa, I.-C.**, Ifrim, I. - INFLUENCE OF HONEY TYPES ON THE CONSUMER ACCEPTANCE OF ARTISANAL MEAD, **Advances in Food Chemistry International Conference**, Food Chemistry Division of Romanian Chemical Society, April 15-17, **2021**, **poster** (online conference)
19. Petronela BRAN, **Irina-Claudia ALEXA**, Daniela NICUȚĂ, Mirela SUCEVEANU, Luminița GROSU, Adriana FINARU - CERCETĂRI PRIVIND EFECTUL EXTRACTELOR DE TESCOVINĂ ASUPRA CREȘTERII ȘI DEZVOLTĂRII PLANTELOR - RESEARCH REGARDING THE EFFECT OF GRAPE POMACE EXTRACTS ON PLANT GROWTH AND DEVELOPMENT, Conferința Internațională “**EUROPEAN CARBON FOOTPRINT OPTIMISATION**” – **ECO₂**, **PROTEJAREA MEDIULUI ÎN CONTEMPORANEITATE. PRINCIPII, STRATEGII, PERSPECTIVE**, 26 iunie **2019**, Bacău, **prezentare orală**
20. Elena-Mirela Suceveanu, **Irina-Claudia Alexa**, Luminița Grosu, Irina Ifrim, Oana Irina Patriciu, Adriana Fînaru - VALORIFICAREA TESCOVINEI ÎN OBTINEREA UNUI PRODUS FORTIFIANT INOVATIV CU MIERE DE ALBINE - VALORIZATION OF GRAPE POMACE FOR OBTAINING FORTIFIED INNOVATIVE PRODUCT WITH HONEY, Conferința Internațională “**EUROPEAN CARBON FOOTPRINT OPTIMISATION**” – **ECO₂**, **PROTEJAREA MEDIULUI ÎN CONTEMPORANEITATE. PRINCIPII, STRATEGII, PERSPECTIVE**, 26 iunie **2019**, Bacău, **prezentare orală**
21. Mirela SUCEVEANU, **Irina-Claudia ALEXA**, Luminița GROSU, Irina IFRIM, Oana Irina PATRICIU, Adriana Luminița FINARU - VALORIZATION OF GRAPE POMACE FOR OBTAINING FORTIFIED INNOVATIVE PRODUCT WITH HONEY, Conferința Internațională de Științe Aplicate - **CISA 23- 24 Mai 2019**, Bacău, România, **poster** (Conference Proceedings Abstracts – p. 84).
22. Elena-Mirela Suceveanu, **Irina-Claudia Alexa**, Petronela Bran, Luminița Grosu, Irina Ifrim, Oana-Irina Patriciu, Adriana-Luminița Fînaru - VALORIZATION OF GRAPE POMACE FOR OBTAINING FORTIFIED INNOVATIVE PRODUCT WITH HONEY, **21st Romanian International Conference on Chemistry and Chemical Engineering – RICCE 21**, Constanta- Mamaia, ROMANIA - September 4 – 7, **2019**, **poster**.
23. Petronela BRAN, **Irina-Claudia ALEXA**, Daniela NICUȚĂ, Mirela SUCEVEANU, Luminița GROSU, Adriana FINARU - RESEARCH REGARDING THE EFFECT OF GRAPE POMACE EXTRACTS ON PLANT GROWTH AND DEVELOPMENT, 9th International Conference of the Chemical Societies of the South-East European Countries – **ICOSECS 09** – 11 May **2019**, Târgoviște, România, **poster** (Book of abstracts Chemistry a Nature Challenger – S1_P_16)
24. Daniela NICUTA, **Irina-Claudia ALEXA**, Luminița GROSU, Elena-Mirela SUCEVEANU, Oana-Irina PATRICIU, Adriana-Luminița FINARU - Etudes concernant l'influence du chlorure de sodium sur la multiplication *in vitro* d'*Origanum vulgare*

- L. - LE DIXIÈME COLLOQUE FRANCO – ROUMAIN DE CHIMIE APPLIQUÉE – COFrRoCA 2018, 27 – 29 Juin **2018**, Bacău, România, **poster**.
25. Mirela SUCEVEANU, Oana PATRICIU, Luminița GROSU, **Irina-Claudia ALEXA**, Adriana FÎNARU - *Obtention et analyse comparative des différentes liqueurs artisanales de menthe* - LE DIXIÈME COLLOQUE FRANCO – ROUMAIN DE CHIMIE APPLIQUÉE – COFrRoCA 2018, 27 – 29 Juin **2018**, Bacău, România, **poster**.
 26. Luminița GROSU, Elena-Mirela SUCEVEANU, Alexandru CHIRIAC, **Irina-Claudia ALEXA** - *Obtention d'engrais écologique utilisant des sous-produits provenant des industries du bois et laitière* - LE DIXIÈME COLLOQUE FRANCO – ROUMAIN DE CHIMIE APPLIQUÉE – COFrRoCA 2018, 27 – 29 Juin **2018**, Bacău, România, **poster**.
 27. **Irina-Claudia ALEXA**, Daniela NICUȚĂ, Luminița GROSU, Elena-Mirela SUCEVEANU, Adriana FÎNARU - *Recherche concernant l'effet des extraits des marc de raisin sur la croissance et le développement des plantes* - LE DIXIÈME COLLOQUE FRANCO – ROUMAIN DE CHIMIE APPLIQUÉE – COFrRoCA 2018, 27 – 29 Juin **2018**, Bacău, România, **poster**.
 28. Mirela SUCEVEANU, **Irina-Claudia ALEXA**, Luminita GROSU, Irina IFRIM - *Valorisation of peppermint (*Mentha piperita*) for obtaining beverages* - A XII-a ediție a simpozionului ECOLOGIA SI PROTECTIA ECOSISTEMELOR - **EPE 2017** / Symposium ECOLOGY AND PROTECTION OF ECOSYSTEMS - THE XII-EDITION, Bacău, 2-4 noiembrie **2017**, **poster**.
 29. Luminița GROSU, **Irina-Claudia ALEXA**, Mirela SUCEVEANU, Alexandru CHIRIAC - *ECOLOGICALLY MINERALIZED ORGANIC FERTILIZER USING BY-PRODUCTS FROM WOOD AND DAIRY INDUSTRIES* - A XII-a ediție a simpozionului ECOLOGIA SI PROTECTIA ECOSISTEMELOR - **EPE 2017** / Symposium ECOLOGY AND PROTECTION OF ECOSYSTEMS - THE XII-EDITION, Bacău, 2-4 noiembrie **2017**, **poster**.
 30. Suceveanu Elena-Mirela, **Alexa Irina-Claudia**, Patriciu Oana-Irina, Grosu Luminița, Ifrim Irina-Loredana, Fînaru Adriana-Luminița - *Mentha piperita* – possibilites d'obtention des boissons alcoolisees a l'effet tonique – International Conference "Modern Technologies in the food industry" – 20-22 octombrie **2016**, Chisinau, Republica Moldova, **poster** (Book of abstracts – Section Technologies alimentaires – filieres francophones - p. 67).
 31. Suceveanu Iulian, Suceveanu Mirela, Grosu Luminița, Patriciu Oana-Irina, **Alexa Irina-Claudia**, Ifrim Irina, Gavrilă Lucian, Fînaru Adriana - *Application de la methode HACCP dans l'abattoir procin par echaudage-depeçage* - International Conference "Modern Technologies in the food industry" – 20-22 octombrie **2016**, Chisinau, Republica Moldova, **comunicare orală Suceveanu Mirela** (Book of abstracts – Section Technologies alimentaires – filieres francophones - p. 65-66).
 32. **Irina-Claudia Alexa**, Oana-Irina Patriciu, Adriana-Luminița Fînaru, G  rald Guillaumet - *Les dihydroadipiridopyrazines – un lien au fil de temps. Diff  rentes approches synth  tiques* - LE NEUVI  ME COLLOQUE FRANCO – ROUMAIN DE CHIMIE APPLIQU  E – COFrRoCA 2016, 29 Juin 2016 – 01 Juillet **2016**, Clermont-Ferrand, France, **comunicare oral   Alexa + Patriciu** (p.34).
 33. Oana-Irina Patriciu, **Irina-Claudia Alexa**, Elena-Mirela Suceveanu, Luminița Grosu, Irina-Loredana Ifrim, Adriana-Luminița F  naru - *Application des m  thodes d'analyse accessibles pour la d  termination du contenu des isoflavones de soja* - LE NEUVI  ME COLLOQUE FRANCO – ROUMAIN DE CHIMIE APPLIQU  E – COFrRoCA 2016, 29 Juin 2016 – 01 Juillet **2016**, Clermont-Ferrand, France, **poster** (p. 118).
 34. Raluca-Ioana T  mpu, Oana-Irina Patriciu, **Irina-Claudia Alexa**, Luminița Grosu, Irina-Loredana Ifrim, Nicolae C  t  lin T  mpu, Eugen Hergheliegiu, Bogdan Alexandru Chiriță, Lucian Gavril  , Adriana-Luminița F  naru - *Inhibiteurs « verts » de corrosion – potentielle application dans l'industrie alimentaire* - LE NEUVI  ME COLLOQUE FRANCO – ROUMAIN DE CHIMIE APPLIQU  E – COFrRoCA 2016, 29 Juin 2016 – 01 Juillet **2016**, Clermont-Ferrand, France, **poster** (p. 134).
 35. **Irina-Claudia Alexa**, Oana-Irina Patriciu, Elena-Mirela Suceveanu, Luminița Grosu, Irina-Loredana Ifrim, Adriana-Luminița F  naru - *Study on the Use of Available Analytical Methods to Determine the Isoflavones in Soy Flours Trade* - INTERNATIONAL CONFERENCE OF APPLIED SCIENCES – CISA – 2016, 2-4 iunie **2016**, BAC  U, Rom  nia, **poster** (p. 88).
 36. Luminița Grosu, A. Chiriac, **Irina-Claudia Alexa**, Oana-Irina Patriciu - *Preliminary Research on the Preparation of Eco-Friendly Fertilizer using some By-Products* - INTERNATIONAL CONFERENCE OF APPLIED SCIENCES – CISA – 2016, 2-4 iunie **2016**, BAC  U, Rom  nia, **poster** (p. 116).
 37. **Irina-Claudia Alexa**, Petronel Pav  l, Daniela Nicuț  , Petronela Bran, Oana-Irina Patriciu, Luminița Grosu, Adriana-Luminița F  naru - *Influence of Hormones Addition for the Improvement of Plantlets Growth (*Calendula Officinalis*)* - EPE - ECOLOGY AND PROTECTION OF ECOSYSTEMS, THE 11th EDITION, BAC  U - Rom  nia, 5-7 November **2015**, **poster**.
 38. Patriciu Oana-Irina, **Alexa Irina-Claudia**, Suceveanu Elena-Mirela, Grosu Luminița, Ifrim Irina-Loredana, F  naru Adriana-Luminița - *Application of Accessible Analytical Methods for Isoflavones Determination from Soybean* - EPE - ECOLOGY AND PROTECTION OF ECOSYSTEMS, THE 11th EDITION, BAC  U - Rom  nia, 5-7 November **2015**, **poster**.
 39. **Irina-Claudia Alexa**, Petronel Pav  l, Daniela Nicuț  , Petronela Bran, Oana-Irina Patriciu, Luminița Grosu, Adriana-Luminița F  naru - *Effects of hormones addition for in vitro plant development of *Calendula officinalis** - The

11th International Conference CONSTRUCTIVE AND TECHNOLOGICAL DESIGN OPTIMIZATION IN THE MACHINES BUILDING FIELD – OPROTEH – 2015, 4-6 iunie **2015**, BACĂU, România, **poster**.

40. Elena Sârghe, Irina Ifrim, **Irina Alexa**, Oana Acatrinei, Marius Nădejde, Petronela Bran, Adriana Fînar - The Occurrence of Heavy Metals in Ancient Snow Collected from Bacau City, Romania - The 11th International Conference CONSTRUCTIVE AND TECHNOLOGICAL DESIGN OPTIMIZATION IN THE MACHINES BUILDING FIELD – OPROTEH – 2015, 4-6 iunie **2015**, BACĂU, România, **comunicare orală**.
41. Raluca-Ioana TAMPUR, Oana-Irina PATRICIU, **Irina-Claudia ALEXA**, Luminita GROSU, Irina Loredana IFRIM, Lucian GAVRILA, Adriana Luminita FINARU - *Extraits de plantes – inhibiteurs « verts » de corrosion pour l'acier inox dans milieu d'acide chlorhydrique* - Le Huitième Colloque Franco – Roumain De Chimie Appliquée – COFrRoCA 2014, 15-18 Septembre **2014**, Montpellier, France - **poster**.
42. Oana-Irina PATRICIU, **Irina-Claudia ALEXA**, Raluca-Ioana TAMPUR, Luminita GROSU, Daniela NICUTA, Iulia LAZAR, Irina Loredana IFRIM, Lucian GAVRILA, Adriana Luminita FINARU - *Evaluation de l'activité biologique des composés hétérocycliques sur la croissance et le développement des plantes* - Le Huitième Colloque Franco – Roumain De Chimie Appliquée – COFrRoCA 2014, 15-18 Septembre **2014**, Montpellier, France - **poster**.
43. Luminița GROSU, **Irina-Claudia ALEXA**, Oana-Irina PATRICIU, Raluca-Ioana TAMPUR, Lucian GAVRILA, Adriana Luminita FINARU - *Etude concernant l'obtention de biomasse protéique par valorisation des sous-produits de l'industrie laitière* - Le Huitième Colloque Franco – Roumain De Chimie Appliquée – COFrRoCA 2014, 15-18 Septembre **2014**, Montpellier, France - **poster**.
44. Pirvan Madalina, Patrascu Cristina, Tampu Raluca Ioana, Chirita Bogdan, Herghelegiu Eugen, Patriciu Oana Irina, **Alexa Irina**, Grosu Luminita, Ifrim Irina, Gavrilă Lucian, Finaru Adriana - *Spinacea oleracea protective effect against hydrochloric acid media corrosion on aluminium alloys* - Second International Conference on Natural and Antropic Risks ICNAR **2014**, 4-7 iunie 2014, Bacău, România, **poster**.
45. Tampu Raluca Ioana, Patriciu Oana-Irina, Tampu Catalin, **Alexa Irina**, Grosu Luminita, Ifrim Irina, Gavrilă Lucian, Finaru Adriana - *Reducing corrosion risk for milled steel by using Raphanus sativus and Spinacia oleracea extracts as green corrosion inhibitors* - Second International Conference on Natural and Antropic Risks ICNAR 2014, 4-7 iunie **2014**, Bacău, România, **poster**.
46. Mirila Diana, Pavel Petronel, Ciobanu Stefan, Patriciu Oana-Irina, **Alexa Irina-Claudia**, Tampu Raluca-Ioana, Grosu Luminita, Nicuta Daniela, Lazar Iuliana, Ifrim Irina, Gavrilă Lucian, Finaru Adriana - *Risk evaluation of organic compounds addition in Ocimum basilicum l. culture media* - Second International Conference on Natural and Antropic Risks ICNAR 2014, 4-7 iunie **2014**, Bacău, România, **poster**.
47. Mocanu, O., Voinea, R., Badarau, E., **Grig-Alexa, I.**, Panek, J., Morisset-Lopez, S., Satala, G., J. Bojarski, A., Finaru, A., Suzenet, F., Guillaumet, G. - *Nouveaux derives de benzyimidazolone comme ligands des recepteurs 5-HT₇* - Septième Colloque Franco-Roumain de Chimie Appliquée – 27-29 iunie **2012**, Bacău, România – **poster** (p. 46) – secțiunea Chimie Organique et Therapeutique.
48. Chiriță-Tâmpu, R., Patriciu, O., **Grig-Alexa, I.**, Grosu, L., Fînar, A., Gavrilă, L. – *Influence des extraits de plantes sur la corrosion en milieu aqueux* - Septième Colloque Franco-Roumain de Chimie Appliquée – 27-29 iunie **2012**, Bacău, România – **poster** (p. 244) – secțiunea Chimie et Development Durable.
49. Luminița Grosu, Barbara Fernandez, Cristina Gabriela Grigoraș, Oana Irina Patriciu, **Irina-Claudia Grig-Alexa**, Daniela Nicuță, Domnica Ciobanu, Valentin Nedeff, Lucian Gavrilă, Adriana Luminița Fînar - *Valorization of whey from dairies as fertilizer. Whey influence on germination and plant growth* - First International Conference on Moldavian Risks – From Global To Local Scale, Bacău - România, 16-19 Mai **2012**, ISBN/ISSN 978-606-527-201-9, **poster**, **p.79**, conferința internațională.
50. Simionescu, I., **Grig-Alexa, I.C.**, Patriciu, O.I., Fînar, A. L. Guillaumet, G. - *Synthesis of substituted n, n'-dipyridinylamines and n, n'-pyridinylphenylamines* - Romanian International Conference on Chemistry and Chemical Engineering – RICCE 17 - 7-10 septembrie **2011**, Sinaia, România - **prezentare orală** - secțiunea NEW DEVELOPMENTS IN CHEMICAL SYNTHESIS & CATALYSIS.
51. Luminița Grosu, Barbara Fernandez, Oana-Irina Patriciu, **Irina-Claudia Alexa**, Lucian Gavrilă, Adriana-Luminița Fînar - *Valorization of dairy by-products – the influence of cheese whey on the growth of soy plants* - The 10th International Conference on Colloids and Surfaces Chemistry – Book of Abstracts, Galați, România, 9-11 iunie **2011** (ISBN 978-606-8348-05-6), **poster**, p. 106-107.
52. Patriciu, O.I., Christelle Pillard, **Grig-Alexa, I.C.**, Fînar, A.L., Guillaumet, G. – *Oxidative nucleophilic substitution of hydrogen – a tool for the obtaintion of nitro N,N'-dipyridinylamines* – International Conference of the Chemical Societies of the South-Eastern European Countries - ICOSECS 7 „Chemistry – Beauty and Application” – 15-17 septembrie **2010**, București, România – **poster**.
53. Simionescu, I., **Grig-Alexa, I.C.**, Patriciu, O.I., Fînar, A. L. Guillaumet, G. – *Etude de la réaction de réduction des nitro N,N'-dipyridinylamines*, Sixième Colloque Franco-Roumain de Chimie Appliquée – 07-10 juillet **2010**, Orléans, France – **poster** (p. 52).

54. Grosu, L., Fernandez, B., Lungulescu, G., Grigoraș, C., Patriciu, O.I., Alexa, I.C., Fînar, A.L. – *Valorisation des sous-produits laitiers. Effet du petit-lait sur les végétaux*, Atelier Franco-Roumain, „Promotion de la chimie verte”, 06-07 juillet **2010**, Orléans, France – **poster** (p. 29).
55. Fînar, A. L., **Alexa I.C.**, Patriciu, O.I., Nicuță, D., Gavrilă, L. - *Comparative study of different extraction strategies of bio-active components from Brassica oleracea var. capitata* - 12th EuCheMS International Conference on Chemistry and the Environment – ICCE2009 - 14-17 iunie **2009**, Stockholm, Suedia – **poster**.
56. Grosu, L., Nicuță, D., **Alexa, I.C.**, Fînar, A. – *Influence of cheese whey addition in the culture medium of Brassica oleracea var. capitata*, International Conference CHIMIA 2009 – New Trends in Applied Chemistry – 13-16 mai **2009**, Constanța, România - **poster** (p. 198).
57. Grosu, L., Patriciu, O., **Alexa, I.C.**, Nicuță, D. - *L'influence de la composition du milieu de culture sur le contenu en principes actifs de Brassica oleracea var. capitata*, Cinquième Colloque Franco-Roumain de Chimie Appliquée, 25-29 iunie **2008**, Bacău, România - **poster** (p. 49).
58. **Grig-Alexa, I.C.**, Fînar, A. L., Ivan L., Caubère, P., Guillaumet, G. - *Synthèse de nouvelles dihydrodipyridopyrazines doublement substituées en position 4 et 6*, Quatrième Colloque Franco-Roumain de Chimie Appliquée – 28 juin – 02 juillet **2006**, Clermont-Ferrand, France – **communiqué oral** (p. 34).
59. Spătar, S., **Grig-Alexa, I.C.**, Fînar, A. L. - *Influence du séchage sur la composition chimique de différentes variétés de pommes*, Quatrième Colloque Franco-Roumain de Chimie Appliquée – 28 juin – 02 juillet **2006**, Clermont-Ferrand, France – **poster** (p. 363).
60. **Grig-Alexa, I. C.** Garnier, E., Fînar, A. L., Ivan, L., Jarry, C., Léger, J.-M., Caubère, P., Guillaumet G. - *Synthèse d'hétérocycles azotés polycycliques dihydrodiquinolénopyrazines et oxazoloquinoléines*, Troisième Colloque Franco-Roumain de Chimie Appliquée - 22-26 septembre **2004**, Slanic-Moldova, Bacău, România – **poster** (p. 63).
61. **Grig-Alexa, I.C.**, Blanchard, S., Fînar, A. L., Caubère, P., Guillaumet, G. - *Efficient routes to new functionalized 4- and 6-dihydrodipyridopyrazines*, International Belgium Organic Synthesis Symposium BOSS – 12-16 juin **2004**, Louvain-la-Neuve, Belgique, Université catholique de Louvain – **poster** (p. 30).
62. I.C. Alexa Grig, A. Fînar*, C.Fossey, L. Ivan, D. Laduree - Potentiale inhibitoare ai transcriptazei inverse și ribonucleotid-reductazei (anti HIV) - Secțiunea 4. Chimie și tehnologie organică – Iași, 13 Noiembrie 2002, Book of abstracts **communiqué oral**.
63. **Grig-Alexa, I.C.**, Blanchard, S., Fînar, A. L., Ivan, L., Caubère, P., Guillaumet, G. – *Etudes de la synthèse et des propriétés d'une nouvelle famille d'antitumoraux : les dihydrodipyridopyrazines*, Actes du Deuxième Colloque Franco-Roumain de Chimie Appliquée – 10-12 octobre **2002**, Bacău, România - **poster** (p. 59).
64. **Grig-Alexa, I.C.**, Blanchard, S., Fînar, A. L., Ivan, L., Caubère, P., Guillaumet, G. – *Etudes de la synthèse et des propriétés d'une nouvelle famille d'antitumoraux : les dihydrodipyridopyrazines* SYCOCAL II - Second Symposium de Chimie Organique en Centre-Auvergne-Limousin – 30 septembre – 03 octobre **2002**, Pierrefitte, Lac de Vassivière (Haute-Vienne), France - **poster** (p. 113).
65. **Grig, I.C.**, Fînar, A. L., Ivan, L., Laduree, D. - *Synthèse d'analogues du D4T substitués en position 5 par un bras de liaison oléfinique et acétylénique comportant une fonction acide hydroxamique terminale – inhibiteurs de la ribonucleotide reductase (anti-HIV)*, Actes du Colloque Franco-Roumain de Chimie Appliquée – 12-14 octobre **2000**, Bacău, Roumanie – **poster** (p. 46).

6. Număr citări în reviste ISI, h-index

1. Număr citări: 70 (după Web of Science)
2. Număr citări (fără autocitări): 60
3. h-index: 6 (după Web of Science)

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