

## 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. Gérald 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 enzimaticе 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. 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**.
2. 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**.
3. 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**.
4. 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**.
5. 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**.
6. 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 écologique 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**.
7. **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**.

8. 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**.
9. Grosu, L., Fernandez, B., Grigoras, C.G., Patriciu, O.I., **Grig-Alexa, I.C.**, Nicuta, D., Ciobanu, D., Gavrilă, L., Fînar, 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.
10. **Grig-Alexa, I.C.**, Simionescu, I., Patriciu, O.I., Massip, S., Fînar, 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.
11. **Grig-Alexa, I. C.** Fînar, A. L., Routier, S., Bailly, C., Caubère, P., Guillaumet, G. - *Synthesis of 4,6-Disubstituted Dihydrodipyriddyrazines and Assessment of Their DNA Binding*, *Revista de Chimie*, **2008**, 59, 266-268.
12. **Grig-Alexa, I. C.**, Fînar, A. L., Caubère, P., Guillaumet, G. - *Lithiation Directed by Amino Alkoxides. Application to the Synthesis of New Disubstituted Dihydrodipyriddyrazines*, *Organic Letters*, **2006**, 19, 4187-4189.
13. **Grig-Alexa, I. C.**, Fînar, 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
14. **Grig-Alexa, I. C.**, Fînar, A. L., Ivan, L., Caubère, P., Guillaumet, G. - *Functionalization of dihydrodipyriddyrazines involving palladium-catalyzed coupling reactions*, *Tetrahedron Lett.*, **2004**, 45, 2343-2346.
15. **Grig-Alexa, I. C.**, Garnier, E., Fînar, A. L., Ivan, L., Jarry, C., Léger, J.-M., Caubère, P., Guillaumet G. - *Hetarynic Synthesis and Chemical Transformations of Dihydrodiquinolopyrazines*, *Synlett*, **2004**, 2000-2004.
16. Lazar, S., Soukri, M., Léger, J.-M., Jarry, C., Akssira, M., Chiriță, R., **Grig-Alexa, I. C.**, Fînar, 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.

#### 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., Fînar, A.L., Guillaumet, G. - *Dihydrodipyriddyrazines: Synthèse et fonctionnalisation*, *Scientific Study & Research*, **2010**, 11, 45-65.
3. Spataru, S., **Grig-Alexa, I.C.**, Fînar, 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., Fînar, A. L., Ivan, L., Jarry, C., Léger, J.-M., Caubère, P., Guillaumet G. - *Synthèse d'hétérocycles azotés polycycliques dihydrodiquinoléinopyrazines et oxazoloquinoléines*, *Actes du Troisième Colloque Franco-Roumain de Chimie Appliquée*, **2004**, 63-66.
5. **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 dihydrodipyriddyrazines*, *Actes du Deuxième Colloque Franco-Roumain de Chimie Appliquée*, **2002**, 59-60.
6. **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 réductase (anti-HIV)*, *Actes du Colloque Franco-Roumain de Chimie Appliquée*, **2000**, 46-47.

#### 5. Participarea la diverse manifestări științifice naționale și internaționale

1. E.-P. Bran, **I.-C. Alexa**, E.-M. Suceveanu, C. Radu, A.-L. Fînar - 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)**
2. **Alexa Irina-Claudia**, Suceveanu Elena-Mirela, Grosu Luminița, Patriciu Oana-Irina, Ifrim Irina-Loredana, Fînar 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)**

3. **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)
4. 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)
5. 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" – ECO<sub>2</sub>, PROTEJAREA MEDIULUI ÎN CONTEMPORANEITATE. PRINCIPII, STRATEGII, PERSPECTIVE, 26 iunie **2019**, Bacău, **prezentare orală**
6. Elena-Mirela Suceveanu, **Irina-Claudia Alexa**, Luminița Grosu, Irina Ifrim, Oana Irina Patriciu, Adriana Fînaru - VALORIFICAREA TESCOVINEI ÎN OBȚINEREA 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" – ECO<sub>2</sub>, PROTEJAREA MEDIULUI ÎN CONTEMPORANEITATE. PRINCIPII, STRATEGII, PERSPECTIVE, 26 iunie **2019**, Bacău, **prezentare orală**
7. 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).
8. 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, **21<sup>st</sup> Romanian International Conference on Chemistry and Chemical Engineering – RICCE 21**, Constanta-Mamaia, ROMANIA - September 4 – 7, **2019**, **poster**.
9. 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, 9<sup>th</sup> 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)
10. 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**.
11. Mirela SUCEVEANU, Oana PATRICIU, Luminița GROSU, **Irina-Claudia ALEXA**, Adriana FÎNARU - *Obtention et analyse comparative des differentes liqueurs artisanales de menthe* - LE DIXIÈME COLLOQUE FRANCO – ROUMAIN DE CHIMIE APPLIQUÉE – COFrRoCA 2018, 27 – 29 Juin **2018**, Bacău, România, **poster**.
12. 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**.
13. **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**.
14. 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**.
15. 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**.
16. 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).

17. 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).
18. **Irina-Claudia Alexa**, Oana-Irina Patriciu, Adriana-Luminița Fînaru, Gérald Guillaumet - Les dihydrodipyridopyrazines – un lien au fil de temps. Différentes approches synthétiques - LE NEUVIÈME COLLOQUE FRANCO – ROUMAIN DE CHIMIE APPLIQUÉE – COFrRoCA 2016, 29 Juin 2016 – 01 Juillet **2016**, Clermont-Ferrand, France, **comunicare orală Alexa + Patriciu** (p.34).
19. Oana-Irina Patriciu, **Irina-Claudia Alexa**, Elena-Mirela Suceveanu, Luminița Grosu, Irina-Loredana Ifrim, Adriana-Luminița Fînaru - Application des méthodes d'analyse accessibles pour la détermination du contenu des isoflavones de soja - LE NEUVIÈME COLLOQUE FRANCO – ROUMAIN DE CHIMIE APPLIQUÉE – COFrRoCA 2016, 29 Juin 2016 – 01 Juillet **2016**, Clermont-Ferrand, France, **poster** (p. 118).
20. Raluca-Ioana Tâmpu, Oana-Irina Patriciu, **Irina-Claudia Alexa**, Luminița Grosu, Irina-Loredana Ifrim, Nicolae Cătălin Tâmpu, Eugen Herghelegiu, Bogdan Alexandru Chiriță, Lucian Gavrilă, Adriana-Luminița Fînaru - Inhibiteurs « verts » de corrosion – potentielle application dans l'industrie alimentaire - LE NEUVIÈME COLLOQUE FRANCO – ROUMAIN DE CHIMIE APPLIQUÉE – COFrRoCA 2016, 29 Juin 2016 – 01 Juillet **2016**, Clermont-Ferrand, France, **poster** (p. 134).
21. **Irina-Claudia Alexa**, Oana-Irina Patriciu, Elena-Mirela Suceveanu, Luminița Grosu, Irina-Loredana Ifrim, Adriana-Luminița Fînaru - 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**, BACĂU, România, **poster** (p. 88).
22. 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**, BACĂU, România, **poster** (p. 116).
23. **Irina-Claudia Alexa**, Petronel Pavăl, Daniela Nicuță, Petronela Bran, Oana-Irina Patriciu, Luminița Grosu, Adriana Luminița Fînaru - Influence of Hormones Addition for the Improvement of Plantlets Growth (*Calendula Officinalis*) - EPE - ECOLOGY AND PROTECTION OF ECOSYSTEMS, THE 11<sup>th</sup> EDITION, BACĂU - România, 5-7 November **2015**, **poster**.
24. Patriciu Oana-Irina, **Alexa Irina-Claudia**, Suceveanu Elena-Mirela, Grosu Luminița, Ifrim Irina-Loredana, Fînaru Adriana-Luminița - Application of Accessible Analytical Methods for Isoflavones Determination from Soybean - EPE - ECOLOGY AND PROTECTION OF ECOSYSTEMS, THE 11<sup>th</sup> EDITION, BACĂU - România, 5-7 November **2015**, **poster**.
25. **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* - The 11<sup>th</sup> International Conference CONSTRUCTIVE AND TECHNOLOGICAL DESIGN OPTIMIZATION IN THE MACHINES BUILDING FIELD – OPROTEH – 2015, 4-6 iunie **2015**, BACĂU, România, **poster**.
26. Elena Sârghie, Irina Ifrim, **Irina Alexa**, Oana Acatrinei, Marius Nădejde, Petronela Bran, Adriana Fînaru - The Occurrence of Heavy Metals in Ancient Snow Collected from Bacau City, Romania - The 11<sup>th</sup> International Conference CONSTRUCTIVE AND TECHNOLOGICAL DESIGN OPTIMIZATION IN THE MACHINES BUILDING FIELD – OPROTEH – 2015, 4-6 iunie **2015**, BACĂU, România, **comunicare orală**.
27. Raluca-Ioana TAMPU, 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**.
28. Oana-Irina PATRICIU, **Irina-Claudia ALEXA**, Raluca-Ioana TAMPU, Luminita GROSU, Daniela NICUTA, Iulia LAZAR, Irina Loredana IFRIM, Lucian GAVRILA, Adriana Luminița 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**.
29. Luminița GROSU, **Irina-Claudia ALEXA**, Oana-Irina PATRICIU, Raluca-Ioana TAMPU, Lucian GAVRILA, Adriana Luminita FINARU - *Etude concernant l'obtention de biomasse proteique par valorisation des sous-produits de l'industrie laitiere* - Le Huitième Colloque Franco – Roumain De Chimie Appliquée – COFrRoCA 2014, 15-18 Septembre **2014**, Montpellier, France - **poster**.
30. Pirvan Madalina, Patrascu Cristina, Tampu Raluca Ioana, Chirita Bogdan, Herghelegiu Eugen, Patriciu Oana Irina, **Alexa Irina**, Grosu Luminita, Ifrim Irina, Gavrilă Lucian, Fînaru Adriana - *Spinacea oleracea protective effect against hydrochloric acid media corosion on aluminium alloys* - Second International Conference on Natural and Antropic Risks ICNAR **2014**, 4-7 iunie 2014, Bacău, România, **poster**.
31. Tampu Raluca Ioana, Patriciu Oana-Irina, Tampu Catalin, **Alexa Irina**, Grosu Luminita, Ifrim Irina, Gavrilă Lucian, Fînaru Adriana - *Reducing corosion risk for milled still 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**.
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