



## CURRICULUM VITAE Europass

### INFORMAȚII PERSONALE

Nume / Prenume

**NISTOR Ileana Denisa**

Adresa de la locul de muncă

Calea Mărășești, nr. 157, Facultatea de Inginerie, Universitatea „Vasile Alecsandri” din Bacău, 600115, România

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Naționalitate(-tăți)

Română

**Locul de munca**

**Universitatea „Vasile Alecsandri” din Bacău**

### EXPERIENȚA PROFESIONALĂ

- 2009-Prezent Profesor la Universitatea „Vasile Alecsandri” din Bacău, Inginerie chimică și alimentară
- 2005 Conferențiar la Universitatea „Vasile Alecsandri” din Bacău, Inginerie chimică și alimentară
- 1994 Șef lucrări la Universitatea „Vasile Alecsandri” din Bacău, Inginerie chimică și alimentară
- 1991 Director Tehnic, Centrul de Cercetare și Prelucrare a Plantelor Medicinale „Planta Vorel” Piatra Neamț
- 1989 Șef Secție Extracție principii active, Centrul de Cercetare și Prelucrare a Plantelor Medicinale „Planta Vorel” Piatra Neamț
- 1982 Inginer chimist, Combinatul de Îngrășăminte Chimice, Piatra Neamț

### EDUCAȚIE ȘI FORMARE

- 2015 Promovare examen abilitare, Universitatea „Vasile Alecsandri” din Bacău, Domeniu Ingineria Mediului.
- 2014 Promovare examen abilitare (HDR), Universitatea Côte d’Opale du Littoral/Université Lille 1, Franța, Domeniu Chimie
- 2004 Diplomă de Doctor, Domeniul: Inginerie Chimică, Universitatea Tehnică „Gh. Asachi” Iași, coordonator: Prof.dr.ing. Ilie Siminiceanu
- 1998 Specializare postuniversitară „Gestionarea și valorificarea deșeurilor industriale”, Institutul de Rudologie, Le Mans, Franța
- 1996 Specializare postuniversitară „Materiale recuperabile și catalizatori”, Institutul de Studii Superioare și Izotopi Radioactivi, din cadrul Academiei de Științe, Budapesta, Ungaria
- 1994 Specializare postuniversitară „Farmacodinamie”, Universitatea de Medicină și Farmacie, Târgu Mureș, Romania
- 1990 Specializare postuniversitară „Cataliză și catalizatori în industria chimică”, Universitatea „Politehnica” București, România
- 1982 Diplomă de Inginer, Inginerie Chimică, Universitatea „Politehnica” București, România

## APTITUDINI ȘI COMPETENȚE PERSONALE

Limba(i) maternă(e) **Limba română**

Limba(i) străină(e) cunoscută(e)

Autoevaluare

*Nivel european (\*)*

Limba franceză

Limba engleză

Înțelegere		Vorbire		Scriere
Ascultare	Citire	Conversație	Discurs	Exprimare scrisă
C2	C2	C2	C2	C2
B2	B2	B2	B2	B2

Competențe și aptitudini organizatorice

Organizarea conferinței anuale - CISA "International Conference of Applied Sciences, Chemistry and Chemical Engineering" din 2007 - până în anul 2016

Membru în comitetul de organizare a Colocviului franco-român "COFrRoCA" din 2012 – până în prezent

Membru în comitetul de organizare a conferinței „Constructive and Technogical Design Optimisation in the Machines Building Field”, Bacău 2013 – până în prezent

Membru în comitetul de organizare a Sesiunii de comunicări Bucuria Crăciunului--"Molecule de suflet din suflet, pentru suflet .Oferă bucurie și vei primi bucurie!" în parteneriat cu Școala Gimnazială "Nicolae Bălcescu", Bacău, din 2014-până în prezent

Responsabil/Director Master – Materiale neconvenționale în biotehnologii moderne /Universitatea "Vasile Alecsandri" din Bacău

Responsabil/Director Master - Știința și ingineria produselor alimentare ecologice/Universitatea "Vasile Alecsandri" din Bacău

Coordonare program conversie profesionala Chimie si CEPAB (Controlul și expertiza produselor alimentare și biotehnologice)

Competențe și aptitudini de utilizare a calculatorului

Buna stăpânire a pachetului Office (procesor de text, calcul tabelar, software pentru prezentări)  
Modelare matematica a experimentelor  
Modelare matematica moleculară

Apartenență la societăți și asociații profesionale

Președinte interimar pe țară/Grupul Român de Argile  
Vice-Președinte filiala Moldova/Asociația Română de Mediu  
Vice-Președinte filiala Bacău/Societate de Chimie din România  
Vice-presedinte Filiala Bacau European Asociation for Chemical and Molecular Science  
Membru/Societatea de Inginerie Chimică din România  
Membru/Asociația Specialiștilor de Industrie Alimentara din România  
Membru/Societatea Inginerilor Chimisti  
Membru/Societatea de Cataliză din România

### Responsabilități

în cadrul Universității

„Vasile Alecsandri” din Bacău

Conducător de doctorat în cadrul IOSUD al Universității "Vasile Alecsandri" din Bacău, domeniul Ingineria Mediului

Membru în Consiliul Facultății de Inginerie

Membru în Senatul Universității „Vasile Alecsandri” din Bacău

Director Centru de Cercetare „Științe Inginerești Aplicate”

### Premii obținute

2007-Medalie de argint pentru brevet de invenție, acordată de Societatea Inventatorilor din România

2006-Diplomă de excelență cu medalie de aur pentru trei brevete, acordată de Societatea Inventatorilor din România

Peste 15 Premii CNCSIS (premierea articolelor ISI, teză de abilitare).

Stagii de predare și monitorizare  
**ERASMUS +** Două stagii anuale în universități europene: Universitatea din Osnabruck/Germania, Universitatea din Dunkerque/ Franța, Universitatea Lille 1/Franța, Universitatea Lille 2/Franța, Universitatea din Limoges/Franța, Universitatea din Poitiers/Franța

## INFORMAȚII SUPLIMENTARE

Permis de conducere B

Conducător de doctorat cu 6 doctoranzi în stagiou.

Coordonator la Centrul de Cercetare "Științe Inginerești Aplicate" al Universității "Vasile Alecsandri" din Bacău

Coordonator Laborator de „Cataliză și Materiale Microporoase” - LCMM, la nivelul Departamentului ICA, Universitatea "Vasile Alecsandri" din Bacău

Membru în colectivele de redacție sau comitete științifice ale revistelor și manifestărilor științifice, recenzor pentru reviste de specialitate (21 reviste ISI) și manifestări științifice naționale și internaționale.

Activitate științifică și didactică, concretizată în 2 teze de abilitare, 1 teză de doctorat, 5 brevete de invenție, peste 20 cărți de specialitate și/sau pentru uzul studenților, peste 50 articole ISI, peste 40 articole BDI, peste 100 participări la conferințe naționale/internaționale, 16 contracte cercetare-dezvoltare obținute prin competiție. Indice Hirsch =14.

**Anexe** Lista de lucrări reprezentative.

Declar pe propria răspundere că informațiile prezentate sunt conforme cu realitatea.

**Data,**  
Iulie 2022

**Semnătura,**  
**Prof.univ.dr.ing. Ilena Denisa NISTOR**

**Prof.dr.ing.**  
**NISTOR Ileana-Denisa**

## **LISTA DE LUCRĂRI**

### **1. TEZE DE ABILITARE/DOCTORAT**

1. Teză de abilitare, Universitatea „Vasile Alecsandri” din Bacău, Domeniul Ingineria Mediului, 2015.
2. Teză de abilitare HDR, Universitatea Côte d’Opale du Littoral/Universitatea Lille 1, Franța, Domeniul Chimie, 2014.
3. Teza de doctorat, Universitatea Tehnică „Gh. Asachi” Iași, Domeniul Inginerie Chimică, 2004.

### **2. BREVETE/INVENȚII**

1. **Brevet de invenție:** Procedeu de coagulare-floculare la îndepărtarea cationilor de metal din apă, AZZOUZ Abdelkrim, ASSAAD Elias, SAJIN Tudor, NISTOR Ileana Denisa, CRĂCIUN Alexandru, URSU Alina, MIRON Neculai Doru, Ref. No: MD 3566 F1 2008.04.30, An: 01/2008.
2. **Brevet de invenție:** Procedeu de obținere a catalizatorului pentru epurarea apei de compuși organici, AZZOUZ Abdelkrim, ASSAAD Elias, SAJIN Tudor, URSU Alina, NISTOR Ileana Denisa, CRĂCIUN Alexandru, MIRON Neculai Doru, Ref. No: MD 3508 F1 2008.02.29, An: 01/2008.
3. **Brevet de invenție:** Instalație pentru cultivarea bacteriilor lactice, AZZOUZ Abdelkrim, SAJIN Tudor, NISTOR Ileana Denisa, CRĂCIUN Alexandru, Ref. No: MD 3000 F1 2006.03.31, An: 01/2006.
4. **Brevet de invenție:** Procedeu de cultivare a bacteriilor lactice (variante), AZZOUZ Abdelkrim, SAJIN Tudor, NISTOR Ileana Denisa, CRĂCIUN Alexandru, DUCA Gheorghe, Ref. No: MD 2969 F1 2006.02.28, An: 01/2006.
5. **Brevet de invenție:** Instalație pentru cultivarea bacteriilor lactice (variante), AZZOUZ Abdelkrim, SAJIN Tudor, CRĂCIUN Alexandru, NISTOR Ileana Denisa, Ref. No: MD 3021 F1 2006.04.30, An: 01/2006.

### **3. CĂRȚI ȘI CAPITOLE ÎN CĂRȚI (publicate în edituri recunoscute CNCSIS)**

1. Abdelkrim Azzouz, Diana Mirila, Denisa-Ileana Nistor, Farida Boudissa, Rene Roy, **Chapter 1:** Advances in the Oxidative Degradation of Organic Pollutants: Prospects for Catalyzed Oxidation Processes Targeting Total Mineralization, in book - *Advances in Chemistry Research*, Volume 49, p. 1–64, Editor James C. Taylor, Publicată de Nova Science Publishers, Inc, New York, ISBN 978-1-53614-760-5 (e-Book), ISSN 1940-0950, 2019.
2. Nistor I.D., Muntianu G., Metode moderne de control în ingineria proceselor ecologice. Note de curs, Editura Alma Mater, Bacău, 2016, ISBN 978-606-527-540-9.
3. Nistor I.D., Muntianu G., Biotehnologii de valorificare a subproduselor în industrii ecologice. Note de curs, Editura Alma Mater, Bacău, 2016, ISBN 978-606-527-539-3.
4. Nistor Ileana Denisa, Georgescu Ana-Maria, *Tehnologii de diversificare a produselor alimentare ecologice. Note de curs*, Editura Alma Mater, Bacău, ISBN 978-606-527-492-1, 2015.
5. Nistor Ileana Denisa, Georgescu Ana-Maria, Ursu Alina-Violeta, *Biotehnologii industriale. Îndrumar de laborator – pentru uzul studenților*, Editura Alma Mater, Bacău, ISBN 978-606-527-490-7, 2015.
6. Nistor Ileana Denisa, Ursu Alina-Violeta, Georgescu Ana-Maria, *Ingineria proceselor biotehnologice și alimentare. Aplicații*, Editura Alma Mater, Bacău, ISBN 978-606-527-491-4, 2015.
7. A. Birca, N.D. Miron, I.D. Nistor, N. Rodionova, Mărfuri alimentare: Chimia produselor alimentare, (ro.) *Ed. Tehnica-UTM*, Chisinau, ISBN 978-9975-45-266-3, 2013.
8. N. Platon, I.D. Nistor, A. Birca, tehnologii generale în industria alimentară, (ro.) vol. I, *Ed. ALMA-MATER*, Bacău, ISBN: 978-606-527-301-6, 2013.
9. D.I. Nistor, A. Azzouz, M. Leonte, A. Dabija, Ingineria proceselor biotehnologice și alimentare, (ro.) vol. I, *Ed. ALMA-MATER*, Bacău, ISBN général: 978-606-527-010-7, ISBN – vol. I: 978-606-527-011-4, 2008.

10. D.I. Nistor, A. Azzouz, M. Leonte, A. Dabija, Ingineria proceselor biotehnologice și alimentare, (ro.) vol. II, *Ed. ALMA-MATER*, Bacău, ISBN général: 978-606-527-010-7, ISBN – vol. II: 978-606-527-011-4, 2008.
11. I.D. Nistor, E. Panturu, A.V. Ursu, A. Ciobanu, Principii și metode de conservare a alimentelor, (ro.) *Ed. ALMA-MATER*, Bacău, ISBN 978-606-527-007-7, 2008.
12. I.D. Nistor, C. Jinescu, A. Azzouz, Tehnologie de ambalare și design, (ro.) *Ed. ALMA-MATER*, Bacău, ISBN 978-606-527-008-4, 2008.
13. I.D. Nistor, I. Siminiceanu, Argile modificate: sinteză, caracterizare, aplicații, (ro.) *Ed. ALMA-MATER*, Bacău, ISBN 978-606-527-013-8, 2008.
14. Nistor Ileana Denisa, Georgescu Ana-Maria, Ursu Alina Violeta, Chimia mediului. Tehnici de laborator, Colecția Științe Inginerești, Editura Alma Mater, Bacău, 978-973-8392-90-8, 2007
15. I.D. Nistor, A. Azzouz, N.D. Miron, Ingineria proceselor chimice și biochimice, (ro.) *Ed. TEHNICA-INFO*, Chișinău, ISBN 978-9975-63-292-8, 2006.
16. N.D. Miron, I.D. Nistor, Chimie generală – Aplicații, (ro.) *Ed. TEHNICA-INFO*, Chișinău, ISBN 978-9975-63-291-1, 2006.
17. N.D. Miron, I.D. Nistor, Chimie generală și bio-anorganică, (ro.) *Ed. TEHNICA-INFO*, Chișinău, ISBN 978-9975-910-10-1, 2006.
18. N.D. Miron, I.D. Nistor, Chimia mediului, (ro.) *Ed. TEHNICA-INFO*, Chișinău, ISBN 978-9975-910-07-1, 2006.

#### **4. ARTICOLE/STUDII IN EXTENSO, PUBLICATE ÎN REVISTE DIN FLUXUL ȘTIINȚIFIC INTERNAȚIONAL PRINCIPAL**

##### **4.1. ARTICOLE PUBLICATE ÎN REVISTE DE SPECIALITATE DE CIRCULAȚIE INTERNAȚIONALĂ (REVISTE ISI) h index = 14**

1. Andrei, S., Rati, I.V., Raducanu, D., Ureche, D., Nistor, D.I., Evaluation of the potential for use in agriculture of the soil resulting from unclogging process for two vegetables with great economic importance: beans and tomatos, *Fresenius Environmental Bulletin*, 2022, vol. 31, Issue 4, p. 4132-4142, **FI= 0,489**, ISSN: 1018-4619
2. 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 and Research - Chemistry and Chemical Engineering Biotechnology Food Industry*, 2022, Vol., 23, Issue 1, Page 049 – 061, **FI=0**, ISSN1582-540X
3. Muntianu, G., Simion, A.I., Grigoras, C.G., Platon, N., Nistor I.D., Jinescu, G., Aluminum pillared bentonite - characterization and synthesis optimization by response surface methodology, *Studia Universitatis Babeș - Bolyai Chemia*, 2021, Vol., 66, Issue 1, Page 73-88, **FI=0,447**, ISSN 224-7154,
4. Hortolomeu, A., Scutaru, I., Arseni, A., Sturza, R.\*, Nistor, I.D.\*, Spectrophotometric determination of polyphenolic and protein content of young white wines in the moldova area, *Scientific Study and Research - Chemistry and Chemical Engineering Biotechnology Food Industry*, 2021, Vol., 22, Issue 2, Page 213-225, **FI=0**, ISSN1582-540X
5. Surpateanu, G., Georgescu, A.M., Nistor, D.I., Lungu, N.C., Synthon chemistry: theoretical study on the formation of proline, phenylalanine and tyrosine, *Environmental Engineering and Management Journal*, 2021, Vol., 20, Issue 7, Page 1111-1117, **FI=0,916**, ISSN 1582-9596
6. D.C. Mirilă, F. Boudissa, A.P. Beltrao-Nuñez, N. P., M.A. Didi, I.D. Nistor, R.Roy, A. Azzouz, Organic Dye Ozonation Catalyzed by Chemically Modified Montmorillonite K10–Role of Surface Basicity and Hydrophilic Character, *Ozone: Science & Engineering*, pag 1-14, 2020, **FI=2,562**, DOI:10.1080/01919512.2020.1727727
7. F. Boudissa; D. Mirila; V.A. Arus; T. Terkmani; S.Semaan; M. Proulx; I.D. Nistor; R. Roy; A. Azzouz, Acid-treated clay catalysts for organic dye ozonation - Thorough mineralization through optimum catalytic basicity and hydrophilic character, *Journal of Hazardous Materials*, Volume: 364 p: 356 - 366, 2019, **FI = 10,588**, DOI: 10.1016/j.jhazmat.2018.09.070
8. Mirila, Diana Carmen; Pirvan, Madalina-Stefania; Platon, Nicoleta; Georgescu, Ana-Maria; Zichil, Valentin; Nistor, Ileana Denisa, Total mineralization of malachite green dye by advanced oxidation processes, *ACTA CHEMICA IASI*, Volume: 26 Issue: 2 Pages: 263 - 280, 2018, **FI = 0,7**, DOI: 10.2478/achi-2018-0017

9. G. Surpateanu, I.D. Nistor, A.M. Georgescu, N.C.Lungu, Syntone Chemistry Theoretical study on the formation of glycine, alannine and serine, *Revista de Chimie*, Volume: 70 Issue: 5 Pages: 1707-1711, 2019, **FI=1,605**, WOS:000352756300001
10. V.A. Arus; S. Nousir; R. Sennour; T.C. Shiao; I.D. Nistor; R. Roy; A. Azzouz, Intrinsic affinity of acid-activated bentonite towards hydrogen and carbon dioxide, *International Journal of Hydrogen Energy*, Volume: 43 Issue: 16 Pages: 7964-7972, 2018, **FI= 7,139**, DOI: 10.1016/j.ijhydene.2018.03.034
11. A.M. Georgescu; F. Nardou; V. Zichil; I.D. Nistor, Adsorption of lead(II) ions from aqueous solutions onto Cr-pillared clays, *Applied Clay Science*, Volume: 152 Pages: 44-50, 2018, **FI= 5,907**, DOI: 10.1016/j.clay.2017.10.031
12. M.T. Pirvan; R. Brahmi; L. Pirault-Roy; I.D. Nistor, Retention of naphthalene on functionalized anionic clays, *Scientific study and research-chemistry and chemical engineering biotechnology food industry*, Volume: 19 Issue: 3 Pages: 281-292, 2018, **FI=0**, WOS:000444839800005
13. D.C. Mirila; M.S. Pirvan; A.M. Rosu; V. Zichil; I.D. Nistor, Activated adsorption on clay of micropollutants from paper printing industry, *Scientific study and research-chemistry and chemical engineering biotechnology food industry*, Volume: 19 Issue: 1 Pages: 63-72, 2018, **FI = 0**, WOS:000431353000007
14. A.Azzouz; V.A. Arus; N. Platon; I.D. Nistor, Lactic Acid Retention by CO<sub>3</sub>-Mg-Al Layered Double Hydroxides for Improved Milk Clotting An approach through acidity measurements, *Revista de chimie*, Volume: 67 Issue: 7 Pages: 1348-1355, 2016, **FI=1.412**, WOS:000385513000024
15. A.Arus; M.N. Tahir; R. Sennour; T.C. Shiao; L.M. Sallam; I.D. Nistor; R. Roy; A. Azzouz, Cu-0 and Pd-0 loaded Organo-Bentonites as Sponge-like Matrices for Hydrogen Reversible Capture at Ambient Conditions, *CHEMISTRYSELECT*, Volume: 1 Issue: 7 Pages: 1452-1461, 2016, **FI= 2,24**, DOI: 10.1002/slct.201600366
16. A.M. Georgescu; F. Nardou; I.D. Nistor, Influence of synthesis parameters on morphological properties of aluminum(iii)-pillared bentonites, *Scientific study and research-chemistry and chemical engineering biotechnology food industry*, Volume: 17 Issue: 3 Pages: 261-269, 2016, **FI = 0**, WOS:000391283100004
17. Kfoury Miriana, Balan Ramona, Landy David, Nistor Ileana Denisa, Fourmentin Sophie, Investigation of the complexation of essential oil components with cyclodextrins, *Supramolecular Chemistry*, ISSN 1061-0278, Vol. 27, Issue: 9, p. 620-628, 2015, **FI= 1,84**, DOI: 10.1080/10610278.2015.1051977
18. Ana-Maria Georgescu, Gheorghe Brabie, Ileana Denisa Nistor, Claude Penot, Francoise Nardou, Synthesis and characterization of Cr-pillared clays: modelling using factorial design methodology, *Journal of Porous Materials*, ISSN 1380-2224, vol. 22, nr. 4, p. 1009-1019, 2015, **FI= 2,523**, DOI: 10.1007/s10934-015-9975-z
19. G. Muntianu, A.V. Ursu, C. Jinescu, G. Djelveh, I.D. Nistor, G. Jinescu, Intensification of Ammonia Adsorption Kinetics using Al-pillared Clay Particles in a Co-axial Magnetic Fluidized Bed, *Revista de Chimie*, vol. 66, Issue 3, p. 295-298, 2015, **FI = 1.412**, FI<sub>m5</sub> = 1.122, WOS:000352756300001
20. V.A. Arus, I.D. Nistor, N. Platon, A.M. Rosu, G. Muntianu, C. Jinescu, Statistical Modelling and Optimization of Lactic Acid Fermentation in the Presence of Anionic Clay and Ultrasonic Field, *Revista de Chimie*, vol. 66, Issue 1, p. 88-91, 2015, **FI = 1.412**, WOS:000350270800018
21. Muntianu G., Platon N., Mardaru A., Nistor I.D., Miron N.D., Jinescu G., Use of modified clays obtained by pillaring in gas purification, University Politehnica of Bucharest Scientific Bulletin Series B – *Chemistry and Materials Science*, vol. 77, nr. 3, 2015, p. 151-164, **FI = 0,47**, WOS:000417262900015
22. C. Jinescu, V.A. Arus, O.C. Parvulescu, I.D. Nistor, Modelling of Batch Lactic Acid Fermentation in the Presence of Anionic Clay, *Food Technology and Biotechnology*, Volume: 52 Issue: 4, p. 448 - 458, 2014, **FI = 2,298**, DOI: 10. 17113 / ftb. 52. 04. 14. 3553
23. G. Muntianu, A.V. Ursu, G. Djelveh, G. Isopencu, A.M. Mares, I.D. Nistor, C.V. Jinescu, Dynamic Parameters for Mixtures of Pillared Clay-Magnetic Particles in Fluidized Bed in Coaxial Magnetic Field, *Revista de Chimie*, vol. 65, Issue: 9, p. 1077-1085, 2014. **FI = 1.412**, WOS:000343965900018
24. L. Topliceanu, LBibire, Nistor D. Professional competences of the personnel working on quality control and food safety in the food industry, 6Th International *Conference edu world 2014: education facing contemporary world issues*, Vol. 180, p. 1030-1037, 2014, **FI=0**, DOI: 10.1016 / j. sbspro. 2015.02.198
25. V.A. Arus, C. Jinescu, I.D. Nistor, G. Isopencu, Ultrasound Intensification of Lactic Fermentation Process in the Presence of Anionic Clays, *Revista de Chimie*, vol. 65, Issue 8, p. 942-947, 2014, **FI = 1,412**, WOS:000340867000017
26. N. Platon, I. Siminiceanu, I.D. Nistor, M. Silion, C. Jinescu, M. Harrouna, A. Azzouz, Catalytic Wet Oxidation of Phenol with Hydrogen Peroxide over Modified Clay Minerals, *Revista de Chimie*, vol. 64, Issue 12, p. 1459 - 1464, 2013, **FI = 1,412**, WOS : 000330914400019

27. A.Azzouz, V.A. Arus, N. Platon, K. Ghomari, I.D. Nistor, Tz. Chieh Shiao, R. Roy, Polyol-modified layered double hydroxides with attenuated basicity for a truly reversible capture of CO<sub>2</sub>, *Adsorption*, vol. 19, no. 5, p. 909 - 918, 2013, **FI = 2,663**, DOI: 10.1007/s10450-013-9498-3
28. Ciobanu, I. Mallard, D. Landy, G. Brabie, D. Nistor, S. Fourmentin, Retention of aroma compounds from Mentha piperita essential oil by cyclodextrins and crosslinked cyclodextrin polymers, *Food Chemistry*, vol. 138, Issue 1, p. 291-297, 2013, **FI = 9,231**, DOI: 10.1016/j.foodchem.2012.10.106
29. Azzouz, N. S., Nousir, K. Ghomari, D. Nistor, T.C.Shiao, R. Roy, OH-enriched organo-montmorillonites for potential applications in carbon dioxide separation and concentration, *Separation and Purification Technology*, vol. 108, p. 181-188, 2013, **FI= 9,136**, DOI: 10.1016/j.seppur.2013.02.006
30. M. Lazar, I. L. Ifrim, D. Nicuta, D. Nistor, G. Lazar, Macro and ultra-micro scale changes of rapeseed seedlings germinated from seeds exposed to UVA-VIS radiations, *Environmental engineering and Management journal*, vol. 12, Issue 1, p. 49-57, 2013, **FI= 0,916**, WOS:000317803300007
31. M. Silion, I. D. Dobrea, D. Nistor, M. I. Popa, Environmentally friendly formulations of 2,6-dichlorobenzonitrile pesticide intercalated into calcined layered double hydroxides, *Environmental Engineering and Management Journal*, vol.12, No. 12, p. 2465-2471, 2013, **FI= 0,916**, WOS:000330574200021
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## **5. COMUNICĂRI CONFERINȚE INTERNAȚIONALE SAU NAȚIONALE CU PARTICIPARE INTERNAȚIONALĂ (COMUNICĂRI ÎN PLEN, PE SECȚIUNI ȘI POSTERE)**

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## **6. PROIECTE DE CERCETARE-DEZVOLTARE-INOVAR PE BAZĂ DE CONTRACT/GRANT, OBȚINUTE PRIN COMPETIȚIE NAȚIONALĂ**

1. CNFIS- FDI\_SSD\_0132 -Mobilitatea academica - suport al creșterii vizibilității internaționale a IOSUD\_UBc - membru
2. Proiect educație antreprenorială-Engineer-a successful entrepreneur (EngSE) - membru
3. CNFIS-FDI-2021-0123 - Internationalizarea studiilor universitare de master si doctorat – suport al performantei si formarii tinerilor prin si pentru cercetare - membru.
4. CNFIS-FDI-2020-0130 - Internationalizarea studiilor universitare de master si doctorat – suport al performantei si formarii tinerilor prin si pentru cercetare – membru.
5. CNFIS-FDI - 2019-0453, Acțiuni suport pentru cercetare de excelență, inovare și transfer tehnologic la Universitatea Vasile Alecsandri din Bacău (acronim ACTIS-Bacău), membru.
6. CNFIS-FDI-2019-0087, Internaționalizarea studiilor universitare de master si doctorat – suport al performantei si formarii tinerilor prin si pentru cercetare, Universitatea „Vasile Alecsandri” din Bacău, membru.
7. ROSE – ”Ingineria o carieră de viitor-ING-UP!”73/SGU/NC/, Acord de Grant nr. 73/SGU/NC/I din data de 13.12.2017, membru
8. CNFIS-FDI-2017-0151, Internationalizarea studiilor universitare de master si doctorat – suport al performantei si formarii tinerilor prin si pentru cercetare, Universitatea „Vasile Alecsandri” din Bacău, membru.
9. AUF-BECO „Organisation de seminaires doctoraux”, N/Ref: CE/FF/124/2016, Consortiu: IOSUD - Universitatea „Vasile Alecsandri” din Bacău, membru.
10. CNFIS-FDI-2016-0130, Internationalizarea studiilor universitare de doctorat–suport al performantei si formarii tinerilor prin si pentru cercetare, Universitatea „Vasile Alecsandri” din Bacău, membru.
11. Colegiul Doctoral francofon, Domeniul Științe și Tehnologii, „BIOTECH”, Coordonator Universitatea “Dunărea de Jos” Galați, Coordonator partener Universitatea ”Vasile Alecsandri” din Bacău 2014.
12. PN 21037, 2007-2010 “Tehnologie energetică durabilă, în vederea promovării resurselor minerale uranifere indigene, prin optimizarea procedeuului de purificare a uraniului-TEDPUR”, Coordonator INCDMRR-ICPMRR București, P1=Universitatea din Bacău, Coordonator P1, valoare UBc 186.400 lei.
13. PN 31093, 2007-2010 “Cercetări privind utilizarea barierelor reactive la tratarea apelor reziduale rezultate la uzinele de procesare a minereurilor uranifere-URTECH”, Coordonator INCDMRR-ICPMRR București, Coordonator P1, valoare UBc 186.000 Lei.
14. PN 21074/14.09.2007-2010 “Noi tehnologii pentru separarea uraniului prin extracție pentru decontaminarea mediului, cu intensificarea proceselor utilizând ultrasunetele UEXUS”, Coordonator INCDMRR-ICPMRR București, P1=Universitatea din Bacău, Coordonator tehnic, valoare UBc 186.000 Lei.
15. CEEEX, Modul III, Nr. 246/01.08.2006 ”Dezvoltarea parteneriatului științific în domeniul sintezei și utilizării de nanomateriale în tehnologii neconvenționale pentru decontaminarea apelor uzate ECONANO”,

Coordonator tehnic, valoare 82.500 Lei.

16. CEEEX, Modul I, Nr. 119/27.07.2006 "Cercetări avansate privind utilizarea cerealelor și a deșeurilor cerealiere pentru obținerea de bioetanol și de bioetanol ca sursă de energie alternativă BIOECO", Coordonator Universitatea "Ștefan cel Mare" Suceava, Coordonator tehnic, valoare 250.000 Lei.

**Data**  
Iulie 2022

**Semnătura**