

L I S T A D E L U C R Ă R I

1. TEZE DE ABILITARE/DOCTORAT

1. Teză de abilitare, Universitatea „Vasile Alecsandri” din Bacău, Domeniul Ingineria Mediului, 2015.
2. Teză de abilitare (HDR), Université de Lille/Université du Littoral Côte d'Opale, 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)

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2. 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.
3. 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.
4. 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.
5. 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.
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15. 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
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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)

1. Sturza, R; Dragancea, V; Ghendov-Mosanu, A; Nistor, ID; Mirila, DC; Lazacovici, D, Migration of Plastic Additives and Non-Intentionally Added Substances from Packaging into Edible Oils and Beverages: A Combined GC-MS and Hydrolysis-Capillary Electrophoresis Approach, **POLYMERS**, Volume 18, Issue 8, 2026, DOI10.3390/polym18080965, WOS:001749592500001
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4. Muntianu, G; Nistor, ID; Georgescu, AM; Rosu, AM; Mirila, DC; Mares, AM; Jinescu, CV, Dynamic study behavior of the fluidized binary mixture bed with bentonite particles, **Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry**, 2025, 26 (1), pp. 047 – 065, DOI 10.29081/ChIBA.2025.629, WOS:001504837400005
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9. Georgescu, AM; Platon, N; Arus, VA; Jinescu, C; Nardou, F; Nistor, ID, Study on the preparation and characterization of aluminum-pillared clays using montmorillonite K10, **Scientific study and research-Chemistry and Chemical Engineering Biotechnology Food Industry**, Volume 24 Issue 2 Page 145-153, 2023, ISSN 1582-540X, WOS:001025811900005
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14. 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 Babes - Bolyai Chemia**, 2021, Vol., 66, Issue 1, Page 73-88, ISSN 224-7154, DOI:10.24193/subbchem.2021.1.06,
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6. PROIECTE DE CERCETARE-DEZVOLTARE-INOVAR PE BAZĂ DE CONTRACT/GRANT, OBTINUTE PRIN COMPETIȚIE NAȚIONALĂ

1. FDI-0125-SSD-2024, Internaționalizarea sistemului educațional LMD din UBc _ calitate, continuitate si mobilitate - membru
2. CNFIS- FDI_2023-SSD_0132 -Mobilitatea academica - suport al creșterii vizibilității internaționale a IOSUD_UBc - membru
3. Proiect educație antreprenorială-Engineer-a successful entrepreneur (EngSE) - membru
4. CNFIS-FDI-2022-0125 - Internaționalizarea studiilor universitare de master si doctorat – suport al performantei si formarii tinerilor prin si pentru cercetare - membru.
5. CNFIS-FDI-2021-0123 - Internaționalizarea studiilor universitare de master si doctorat – suport al performantei si formarii tinerilor prin si pentru cercetare - membru.
6. CNFIS-FDI-2020-0130 - Internaționalizarea studiilor universitare de master si doctorat – suport al performantei si formarii tinerilor prin si pentru cercetare – membru.
7. CNFIS-FDI - 2019-0453, Acțiuni suport pentru cercetare de excelență, inovare și transfer tehnologic la Universitatea Vasile Alecsandri din Bacău (acronim ACTIS-Bacău), membru.
8. 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.

9. ROSE – 2022 - ”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
10. ROSE – 2021 - ”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
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13. AUF-BECO „Organisation de seminaires doctoraux”, N/Ref: CE/FF/124/2016, Consortiu: IOSUD - Universitatea „Vasile Alecsandri” din Bacău, membru.
14. 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.
15. Colegiul Doctoral francofon, Domeniul Științe și Tehnologii, „BIOTECH”, Coordonator Universitatea “Dunărea de Jos” Galați, Coordonator partener Universitatea ”Vasile Alecsandri” din Bacău 2014.
16. PN 21037, 2007-2010 “Tehnologie energetică durabilă, în vederea promovării resurselor minerale uranifere indigene, prin optimizarea procedeului de purificare a uraniului-TEDPUR”, Coordonator INCDMRR-ICPMRR București, P1=Universitatea din Bacău, Coordonator P1, valoare UBc 186.400 lei.
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19. CEEX, 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.
20. CEEX, 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

octombrie 2026

Semnătura

Prof.univ.dr.ing.habil. NISTOR Ileana-Denisa