

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.
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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.

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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.
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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*, Chisinau, ISBN 978-9975-63-292-8, 2006.
16. N.D. Miron, I.D. Nistor, Chimie generală – Aplicații, (ro.) *Ed. TEHNICA-INFO*, Chisinau, ISBN 978-9975-63-291-1, 2006.
17. N.D. Miron, I.D. Nistor, Chimie generală și bio-anorganică, (ro.) *Ed. TEHNICA-INFO*, Chisinau, ISBN 978-9975-910-10-1, 2006.
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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) 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, ISSN: 1018-4619
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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, ISSN1582-540X
5. Surpateanu, G., Georgescu, A.M., Nistor, D.I., Lungu, N.C., Synthron chemistry: theoretical study on the formation of proline, phenylalanine and tyrosine, *Environmental Engineering and Management Journal*, 2021, Vol., 20, Issue 7, Page 1111-1117, ISSN 1582-9596
6. D.C. Mirilă, F. Boudissa, A.P. Beltrao-Nuñes, 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, DOI: 10.1080 /01919512.2020.1727727
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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, DOI: 10.2478/achi-2018-0017

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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, 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, 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, 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, WOS:000431353000007
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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, DOI: 10.1002/slct.201600366
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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, WOS:000417262900015
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6. PROIECTE DE CERCETARE-DEZVOLTARE-INOVARA PE BAZĂ DE CONTRACT/GRANT, OBTINUTE PRIN COMPETIȚIE NAȚIONALĂ

1. CNFIS-FDI-SSD-2022-0132 - Internationalizarea studiilor universitare de master si doctorat – suport al performantei si formarii tinerilor prin si pentru cercetare - membru.

2. CNFIS-FDI-2021-0123 - Internationalizarea studiilor universitare de master si doctorat – suport al performantei si formarii tinerilor prin si pentru cercetare - membru.
3. CNFIS-FDI-2020-0130 - Internationalizarea studiilor universitare de master si doctorat – suport al performantei si formarii tinerilor prin si pentru cercetare – membru.
4. CNFIS-FDI - 2019-0453, Acțiuni suport pentru cercetare de excelență, inovare și transfer tehnologic la Universitatea Vasile Alecsandri din Bacău (acronim ACTIS-Bacău), membru.
5. 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.
6. 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
7. 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.
8. AUF-BECO „Organisation de seminaires doctoraux”, N/Ref: CE/FF/124/2016, Consortiu: IOSUD - Universitatea „Vasile Alecsandri” din Bacău, membru.
9. 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.
10. Colegiul Doctoral francofon, Domeniul Științe și Tehnologii, „BIOTECH”, Coordonator Universitatea “Dunărea de Jos” Galați, Coordonator partener Universitatea ”Vasile Alecsandri” din Bacău 2014.
11. 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.
12. 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.
13. 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.
14. 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.
15. 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

Semnătura