

LISTA DE LUCRĂRI

Asist. univ. dr. ing. Ana-Maria GEORGESCU

TEZA DE DOCTORAT

Titlul tezei de doctorat: **“Cercetări teoretice și experimentale privind realizarea de sisteme performante de nanomateriale ceramice utilizate pentru retenția poluanților industriali”.**

Teza de doctorat a fost realizată în cotutelă internațională între:

- Universitatea “Vasile Alecsandri” din Bacău, Școala de Studii Doctorale IOSUD - Inginerie Industrială, sub conducerea Prof. Gheorghe BRABIE și
- Université de Limoges, Franța, Faculté des Sciences et Techniques, École Doctorale “Science et Ingénierie en Matériaux, Mécanique, Energétique et Aéronautique”, Laboratoire Sciences des Procédés Céramiques et Traitements de Surface, sub conducerea Prof. Françoise NARDOU:
 - susținerea tezei în catedră: 20.09.2011; susținerea publică la Universitatea “Vasile Alecsandri” din Bacău: **25.11.2011**;
 - République Française, Ministère de l'Enseignement Supérieur et de la Recherche, Université de Limoges, a emis diploma de doctor nr. 8954679 din 09.02.2012, în Domeniul *Matériaux Céramiques et Traitements de Surface*;
 - în baza Ordinului Ministrului Educației, Cercetării, Tineretului și Sportului, nr. 3639 din 27.03.2012, Universitatea “Vasile Alecsandri” din Bacău a emis diploma de doctor nr. 26 din 11.05.2012 în Domeniul *Ingenierie Industrială*.

CĂRȚI ȘI CAPITOLE ÎN CĂRȚI DE SPECIALITATE

1. **Georgescu A.M.**, Nardou F., Brabie G., *Nanomatériaux céramiques performants utilisés pour la rétention des polluants industriels*, Ed. Alma-Mater, Bacău, ISBN 978-606-527-617-8, **2018**.
2. **Georgescu A.M.**, *Prepararea și caracterizarea argilelor stâlpuite cu Cr³⁺ și Al³⁺ pentru utilizarea lor la retenția poluanților industriali*, Proiectul BRAIN – rezultate obținute, Februarie **2011**, Ed. Alma-Mater, Bacău, ISBN 978-606-527-111-1, p.107-118.

SUPORT DIDACTIC

Manuale, suport de curs

1. **Georgescu A.M.**, Muntianu G., Patriciu O.I., Tâmpu R.I., *Curs remedial pentru studenți*, Partea I, Ed. DOCUCENTRE, Bacău, ISBN 978-606-721-281-5, **2018**.
2. Nistor I. D., **Georgescu A.M.**, *Tehnologii de diversificare a produselor alimentare ecologice. Note de curs*, Editura Alma Mater, Bacău, ISBN 978-606-527-492-1, **2015**.

Îndrumare de laborator / aplicații

3. **Georgescu A.M.**, Aruș V.A., *Tehnologia și controlul calității în industria morăritului*, Editura Alma Mater, Bacău, ISBN 978-606-527-618-5, **2018**.
4. Nistor I. D., **Georgescu A.M.**, Ursu A.V., *Biotehnologii industriale. Îndrumar de laborator – pentru uzul studenților*, Editura Alma Mater, Bacău, ISBN 978-606-527-490-7, **2015**.
5. Nistor I. D., Ursu A.V., **Georgescu A.M.**, *Ingenieria proceselor biotehnologice și alimentare. Aplicații*, Editura Alma Mater, Bacău, ISBN 978-606-527-491-4, **2015**.
6. Nistor I. D., **Georgescu A.M.**, Ursu A. V., *Chimia mediului. Tehnici de laborator*, Colecția Științe Inginerești, Editura Alma Mater, Bacău, 978-973-8392-90-8, **2007**.

ARTICOLE PUBLICATE ÎN REVISTE COTATE ISI THOMSON REUTERS

1. **Georgescu A.M.**, Brabie G., Nistor I. D., Penot C., Nardou F., 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, DOI: 10.1007/s10934-015-9975-z, **2015**.
Revistă indexată ISI cu **F.I.₂₀₁₇ = 1,858**.
2. **Georgescu A.M.**, Nardou F., Nistor I.D., Influence of synthesis parameters on morphological properties of aluminum(III)-pillared bentonites, *Scientific Study and Research-Chemistry and Chemical Engineering Biotechnology Food Industry*, ISSN 1582-540X, 17 (3), p. 261 – 269, WOS:000391283100004, **2016**.
Revistă indexată ISI cu **FI₂₀₁₇=0**.
3. **Georgescu A.M.**, Nardou F., Zichil V., Nistor I.D., Adsorption of lead(II) ions from aqueous solutions onto Cr-pillared clays, *Applied Clay Science*, ISSN 0169-1317, 152, p. 44-50, <https://doi.org/10.1016/j.clay.2017.10.031>, **2018**.
Revistă indexată ISI cu **F.I.₂₀₁₇ = 3,641**.

ARTICOLE PUBLICATE ÎN REVISTE INDEXATE ÎN BAZE DE DATE INTERNAȚIONALE (BDI)

1. **Georgescu A.M.**, Răducanu D., Modeling and optimization of bakery yeast (*Saccharomyces Cerevisiae*) viability by using experimental design procedure, Journal of Engineering Studies and Research, ISSN 2068-7559, Volume 23, No. 3, p. 12-18, **2017** (17 baze de date: ProQuest CSA, VINITI, EBSCO, Index Copernicus, Academic Journals Database, Directory of Research Journal Indexing (DRJI), Directory of Open Access Journals (DOAJ), Google Academic; Publons; ResearchGate; CiteFactor; ERIH PLUS; ROOTINDEXING - Root Society for Indexing and Impact Factor Service; International Innovative Journal Impact Factor; Academic Resource Index – ResearchBib; Directory of Indexing and Impact Factor (DIIF), WordCat, Electronic Journals Library).
2. Răducanu D., **Georgescu A.M.**, Studies on certain growth parameters of different probiotic strains, Journal of Engineering Studies and Research, ISSN 2068-7559, Volume 23, No. 4, p. 19-24, **2017** (17 baze de date: ProQuest CSA, VINITI, EBSCO, Index Copernicus, Academic Journals Database, Directory of Research Journal Indexing (DRJI), Directory of Open Access Journals (DOAJ), Google Academic; Publons; ResearchGate; CiteFactor; ERIH PLUS; ROOTINDEXING - Root Society for Indexing and Impact Factor Service; International Innovative Journal Impact Factor; Academic Resource Index – ResearchBib; Directory of Indexing and Impact Factor (DIIF), WordCat, Electronic Journals Library).
3. **Georgescu A.M.**, Muntianu G., Nistor I. D., Nardou F., Modeling and optimization of Al-pillaring process using experimental design procedure, Journal of Agroalimentary Processes and Technologies, vol. 23, nr. 4, 212-216, **2017** (7 baze de date: IFIS – International Food Information Service; CAS – Chemical Abstracts Service (CAS ref; 163659); Food Science Central from the publishers of FSTA - Food Science and Technology Abstracts; CABI – Publishing Website Serials Cited Submission; European Virtual Institute for Speciation Analysis (EVISA); Science and Engineering Journal Abbreviations; Index Copernicus).
4. **Georgescu A.M.**, Arus V.A., Nardou F., Nistor I. D., Preparation and characterization of Al(III)-pillared interlayerd clays based on indigenous bentonite, BULLETIN of ROMANIAN CHEMICAL ENGINEERING SOCIETY, ISSN 2360-4697, vol 3, nr. 1&2, p. 95-100, **2016** (2 baze de date: EBSCO; Index Copernicus).
5. Muntianu G., **Georgescu A.M.**, Nistor I. D., Jinescu G., Ammonia adsorption kinetics on clay particles in fluidized bed, BULLETIN of ROMANIAN CHEMICAL ENGINEERING SOCIETY, ISSN 2360-4697, vol 3, nr. 1&2, p. 101-110, **2016** (2 baze de date: EBSCO; Index Copernicus).
6. **Georgescu A.M.**, Nardou F., Nistor I. D., Influence of purification process on the characteristics of romanian calcium bentonite, Journal of Engineering Studies and Research, ISSN 2068-7559, vol. 22, nr. 1, p. 32-37, **2016** (6 baze de date: ProQuest CSA (SUA); VINITI (RUSIA); EBSCO; Index Copernicus; Academic Journals Database; Directory of Research Journal Indexing (DRJI)).
7. **Georgescu A.M.**, Brabie G., Nistor I. D., Penot C., Nardou F., Textural and morphological characterization of copper(II)-exchanged Romanian calcium bentonite, Journal of Engineering Studies and Research, ISSN 2068-7559, vol. 20, nr. 3, p. 38-44, **2015** (6 baze de date: ProQuest CSA (SUA); VINITI (RUSIA); EBSCO; Index Copernicus; Academic Journals Database; Directory of Research Journal Indexing (DRJI)).
8. **Georgescu A.M.**, Brabie G., Nardou F., Nistor I. D., Penot C., Utilization of experimental design for specific surface area optimization of a pillared bentonite, Food and Environment Safety Journal, Volume XII, Issue 4, ISSN 2068-6609, p. 284 – 290, **2013** (5 baze de date: Index Copernicus; Ulrich's Web; CAS; Journal Seek; EBSCO).
9. Ursu A.V., Jinescu G., Nistor I.D., **Georgescu A.M.**, Muntianu (Ghimiciu) G., Silion M., Influence of the synthesis parameters on some properties of romanian acid activated bentonite, Journal of Engineering Studies and Research, Volume 16 No. 3, ISSN: 2068-7559, p. 80-85, **2010**.
10. Aruș, V.A., **Georgescu, A.M.**, Lazar, I.M., Nistor, I.D., Miron, N.D., Azzouz, A., Farkas, A.E., Cojocar R.M., Use of some clay matrices in biotechnology of acid dairy products, Food and Environment Safety Journal, Volume IX, No 2, p.35-40, ISSN 2068-6609, **2010** (5 baze de date: Index Copernicus; Ulrich's Web; CAS; Journal Seek; EBSCO).

GRANTURI / PROIECTE CĂȘTIGATE PRIN COMPETIȚIE INCLUSIV PROIECTE DE CERCETARE

Asistent în Echipa de management (perioada 03.09.2018-12.12.2020)

1. Proiectul privind Învățământul Secundar (ROSE), Schema de Granturi SGU-U (Schema Granturi NECOMPETITIE pentru Universități), Beneficiar: Facultatea de Inginerie, Universitatea "Vasile Alecsandri" din Bacău, Titlul proiectului: **Ingineria o carieră de viitor**, acronim "ING-UP!", Acord de grant nr. 73/SGN/NC/I, 13.12.2017-12.12.2020, valoarea totală a finanțării 681.720 lei.

Tutore cadru didactic în Echipa de implementare (perioada 12.01.2018-02.09.2018)

1. Proiectul privind Învățământul Secundar (ROSE), Schema de Granturi SGU-U (Schema Granturi NECOMPETITIE pentru Universități), Beneficiar: Facultatea de Inginerie, Universitatea "Vasile Alecsandri" din Bacău, Titlul proiectului: **Ingineria o carieră de viitor**, acronim "ING-UP!", Acord de grant nr. 73/SGN/NC/I, 13.12.2017-12.12.2020, valoarea totală a finanțării 681.720 lei.

Membru în echipă

1. PN 21037, 2007-2010 "Tehnologie energetică durabilă, în vederea promovării resurselor minerale uranifere indigene, prin optimizarea procedurii de purificare a uraniului-TEDPUR", Coordonator INCDMRR-ICPMRR București (ing.chim. CP1, Filcenco Antoaneta), P1=Universitatea din Bacău, Coordonator P1: Nistor Ileana Denisa, valoare contractată de Universitatea din Bacău =186.400 lei, iar valoarea intrată în casieria Universității din Bacău = 98.150 Lei
2. 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 (ing .chim. CP1, Rădulescu Rozalia), P1=Universitatea din Bacău, Coordonator P1: Nistor Ileana Denisa, valoare contractată de Universitatea din Bacău =186.000Lei, iar valoarea intrată în casieria Universității din Bacău = 137.905 Lei.
3. 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 (ing. chim. CP1, Panțuru Eugenia), P1=Universitatea din Bacău, Coordonator tehnic: Nistor Ileana Denisa, valoare Universitatea din Bacău =186.000 Lei (Valoare efectivă recalculată = 96.483 Lei).
4. 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 Universitatea din Bacău (dr. chim., Miron Neculai Doru), Coordonator tehnic: Nistor Ileana Denisa, valoare intrată în casieria Universității din Bacău =82.500 Lei.

COORDONARE PROIECTE EDUCAȚIONALE

1. Partener proiect educațional interjudețean "Oferă bucurie și vei primi bucurie", Ediția a III-a, octombrie 2015-iulie 2016.

LUCRĂRI PUBLICATE ÎN VOLUMELE SAU REZUMATELE UNOR MANIFESTĂRI ȘTIINȚIFICE NAȚIONALE ȘI INTERNAȚIONALE

1. **Georgescu A.M.**, Nardou F., Penot C., Platon N., Aruș A.V., Nistor I. D., Lead adsorption from aqueous solutions onto chemically modified nanomaterials, SYMPOSIUM 'ECOLOGY AND PROTECTION OF ECOSYSTEMS' THE XII TH EDITION, 2 – 4 Noiembrie 2017, Book of Abstracts, Ed. Alma Mater Bacău, ISBN 987-606-527-585-0, p. 128.
2. **Georgescu A.M.**, Nistor I. D., Răducanu D., Modeling and optimization of growth parameters for bakery yeast (*Saccharomyces cerevisiae*) by using experimental design procedure, SYMPOSIUM 'ECOLOGY AND PROTECTION OF ECOSYSTEMS' THE XII TH EDITION, 2 – 4 Noiembrie 2017, Book of Abstracts, Ed. Alma Mater Bacău, ISBN 987-606-527-585-0, p. 116.
3. Platon N., **Georgescu A.M.**, Nistor I. D., Characterization of montmorillonite clay used for environmental remediation, SYMPOSIUM 'ECOLOGY AND PROTECTION OF ECOSYSTEMS' THE XII TH EDITION, 2 – 4 Noiembrie 2017, Book of Abstracts, Ed. Alma Mater Bacău, ISBN 987-606-527-585-0, p. 185.
4. Răducanu D., Rați I.V., **Georgescu A.M.**, Researches concerning the optimization of growth parameters of some probiotic bacteria in laboratory conditions, SYMPOSIUM 'ECOLOGY AND PROTECTION OF ECOSYSTEMS' THE XII TH EDITION, 2 – 4 Noiembrie 2017, Book of Abstracts, Ed. Alma Mater Bacău, ISBN 987-606-527-585-0, p. 120.
5. Pîrvan M.Ș., Mirilă D., **Georgescu A.M.**, L. Pirault-Roy, Nistor I. D., Layered double hydroxides, nanomaterials used for environmental protection, SYMPOSIUM 'ECOLOGY AND PROTECTION OF ECOSYSTEMS' THE XII TH EDITION, 2 – 4 Noiembrie 2017, Book of Abstracts, Ed. Alma Mater Bacău, ISBN 987-606-527-585-0, p. 134.
6. Burcă F.B., Spătaru V.I., **Georgescu A.M.**, Beneficiile și efectele fructelor goji (*Lycium barbarum*) asupra sănătății, Sesiunea națională de comunicări științifice studențești, „Ingineria – profesia viitorului”, ediția I, 27-29 noiembrie 2017, Ed. Alma Mater Bacău, ISBN 978-606-527-585-0, p. 76.
7. Lupu M., **Georgescu A.M.**, Proprietățile terapeutice ale produselor apicole, Sesiunea națională de comunicări științifice studențești, „Ingineria – profesia viitorului”, ediția I, 27-29 noiembrie 2017, Ed. Alma Mater Bacău, ISBN 978-606-527-585-0, p. 78.
8. **Georgescu A.M.**, Nardou F., Nistor I.D., Influence of synthesis parameters on morphological properties of aluminum(III)-pillared bentonites, The International Conferences (CISA 2016), Conference Proceedings Abstracts, Bacău, 2-4 iunie 2016, Ed. Alma Mater, Bacău, ISSN 2457-3388, 2016, p. 87.
9. **Georgescu A.M.**, Nardou F., Nistor I.D., Influence of purification process on the characteristics of Romanian calcium bentonite, The International Conferences (CISA 2016), Conference Proceedings Abstracts, Bacău, 2-4 iunie 2016, Ed. Alma Mater, Bacău, ISSN 2457-3388, 2016, p. 87.
10. Ureche C., Aruș AV, **Georgescu AM.**, Muntianu G., Ureche D., Study presence of certain heavy metals in Bistrita River water, The International Conferences (CISA 2016), Conference Proceedings Abstracts, Bacău, 2-4 iunie 2016, Ed. Alma Mater, Bacău, ISSN 2457-3388, 2016, p. 92.

11. Nistor I.D., **Georgescu A.M.**, Muntianu G., Platon N., Aruş AV., Matériaux fonctionnalisés à base d'argile, The International Conferences (CISA 2016), Conference Proceedings Abstracts, Bacău, 2-4 iunie 2016, Ed. Alma Mater, Bacău, ISSN 2457-3388, p. 94, **2016**.
12. Pîrvan M.-Ş., **Georgescu A.M.**, Pirault-Roy L., Nistor I.D., Matériaux poreux utilisés dans la protection de l'environnement, Proceedings of International Conference "Modern Technologies in the Food Industry", Technical University of Moldova, Chisinau, 20-22 october 2016, ISBN 978-9975-87-138-9.
13. **Georgescu A.M.**, Nardou F., Pîrvan M., Nistor I.D., Adsorption of Cd(II) ions from aqueous solutions by advanced nanomaterials, 19th International Symposium "The Environment and the Industry" - SIMI 2016, 13-14 Octombrie 2016, Bucureşti, Book of Abstracts, ISSN-L 1843-5831, p. 156.
14. Aruş V.A., Pârvescu O.C., Nistor I.D., **Georgescu A.M.**, Muntianu G., Roşu A.M., Platon N., Jinescu G., Contributions regarding the kinetics of lactic acid fermentation in the presence of hydrotalcite, Symposium of the Young Chemical Engineers – SICHEM, SICR, MATRIX ROM, ISSN 2537-2254, 2016, p. 8.
15. **Georgescu A.M.**, Aruş V.A., Nardou F., Nistor I.D., Preparation and characterization of Al(III)-pillared interlayerd clays based on indigenous bentonite, Symposium of the Young Chemical Engineers – SICHEM, SICR, MATRIX ROM, ISSN 2537-2254, 2016, p. 24.
16. Muntianu G., **Georgescu A.M.**, Nistor I.D., Jinescu G., Ammonia adsorption kinetics on clay particles in fluidized bed, Symposium of the Young Chemical Engineers – SICHEM, SICR, MATRIX ROM, ISSN 2537-2254, 2016, p. 45
17. Mirilă D.C., Pîrvan M.Ş., Nistor I.D., Aruş V.A., **Georgescu A.M.**, Platon N., Synthesis and characterization of nanomaterials clay used for wastewater remediation, The 7th International Conference for Students, "STUDENT IN BUCOVINA", November, 10th - 11th 2016, Faculty of Food Engineering, Stefan cel Mare University of Suceava, ISSN 2068 – 7648, p. 11.
18. **Georgescu A.M.**, Nardou F., Brabie G., Aruş V.A., Nistor I.D., Synthèse et caractérisation structurale et texturale de la bentonite calcique Roumaine pontée avec des ions de l'aluminium(III), Colloque Franco-Roumain de Chimie Appliquée COFrRoCA – 2016, Clermont-Ferrand, Franța, 29.06.2016 - 01.07.2016, Ed. Alma Mater Bacau, ISSN 2068-6382, p. 81.
19. Aruş V.A., Pârvescu O.C., Nistor I.D., Platon N., **Georgescu A.M.**, Jinescu G., Modélisation mathématique du processus de rétention de l'acide lactique sur les argiles anioniques dans des solutions synthétique de l'acide lactique sous agitation mécanique ou à ultrasons, Colloque Franco-Roumain de Chimie Appliquée COFrRoCA – 2016, Clermont-Ferrand, Franța, 29.06.2016 - 01.07.2016, Ed. Alma Mater Bacau, ISSN 2068-6382, p. 75.
20. **Georgescu A.M.**, Muntianu G., Nistor I.D., Nardou F., Modeling and optimization of pillaring process using experimental design procedure, Ecology and Protection of Ecosystems, the 11th Edition, 5-7 noiembrie 2015, Bacău, Book of Abstracts, Ed. Alma Mater Bacau, ISBN 978-606-527-507-2, p. 98.
21. Muntianu G., **Georgescu A.M.**, Nistor I.D., Jinescu G., Capitalization of natural and structurally modified bentonites used as adsorbents in ammonia atmospheric retention, Ecology and Protection of Ecosystems, the 11th Edition, 5-7 noiembrie 2015, Bacău, Book of Abstracts, Ed. Alma Mater Bacau, ISBN 978-606-527-507-2, p. 100.
22. Nistor I.D., Aruş A. V., Pîrvan M., **Georgescu A.M.**, Muntianu G., Miron N. D., Use of some clay materials on sunflower oil bleaching, Ecology and Protection of Ecosystems, the 11th Edition, 5-7 noiembrie 2015, Bacău, Book of Abstracts, Ed. Alma Mater Bacau, ISBN 978-606-527-507-2, p. 96.
23. **Georgescu A.M.**, Nardou F., Nistor I. D., Study on the preparation and characterization of chemically modified clays using K10 as raw material, THE XITH International Conference, Constructive and Technological Design Optimization in the Machines Building Field - OPROTEH-2015 including the 9th Edition of International Conference of Applied Sciences – CISA 2015, 2-4 iunie 2015, Bacău, România, Conference Proceedings Abstracts, Ed. Alma Mater Bacau, ISSN 2457-3388, p. 132.
24. **Georgescu A.M.**, Brabie G., Nistor I.D., Penot C., Nardou F., Caractérisation texturale et morphologique de la bentonite calcique Roumaine échangée ionique avec des ions de cuivre(II), 8th Edition of International Conference of Applied Sciences, Chemistry and Chemical Engineering – CISA 7-9 mai 2014, Bacău, România, Book of Abstracts, Ed. Alma Mater Bacau, ISSN 2066-7817, p. 34.
25. Platon N., **Georgescu A.M.**, Nistor I. D., Siminceanu I., Modified montmorillonite as catalysts for the catalytic oxidation of phenol, 8th Edition of International Conference of Applied Sciences, Chemistry and Chemical Engineering – CISA 7-9 mai 2014, Bacău, România, Book of Abstracts, Ed. Alma Mater Bacau, ISSN 2066-7817, p. 42.
26. **Georgescu A.M.**, Nistor I.D., Nardou F., *Removal of lead(II) ions from aqueous solutions onto chemically modified nanomaterials*, Second International Conference on NATURAL AND ANTHROPIC RISKS – ICNAR 2014, Bacău, România, ISSN: 2360 – 4018, 4-7 June 2014, p. 120.
27. Zavada R. M., Roşu A.M., Farkas A. E., **Georgescu A.M.**, Miron N.D., Popa M. I., Nistor I. D., *Isolation and quantification of photosynthetic pigments from stinging nettle (Urtica dioica L.)*, International Conference of Applied Sciences. Chemistry and Chemical Engineering, Seventh Edition, 15-18 may 2013, Alma Mater Publishing House Bacău, ISSN 2066 – 7817, p. 137-142, **2013**.
28. **Georgescu A.M.**, Nistor I.D., Penot C., Brabie G., Nardou F., *Rétention de métaux lourds toxique sur les nanomatériaux dans des solutions aqueuses synthétiques*, International Conference of Applied Sciences, Chemistry and Chemical Engineering, Sixth Edition, **2012**, Bacau, Romania, Alma Mater Publishing House Bacău, ISSN 2066 – 7817.
29. **Georgescu A.M.**, Nistor I.D., Penot C., Nardou F., *Interaction between toxic lead ions and modified calcium bentonites in environment depollution*, First International Conference on Moldavian Risks - From Global to Local Scale, 16-19 mai 2012, Bacau, Romania, Ed. Alma Mater-Bacău, ISBN 978-606-527-201-9, p. 82.

30. **Georgescu A.M.**, Brabie G., Nardou F., Nistor I.D., Penot C., Synthèse et caractérisation d'argiles Roumaines pontées avec du Chrome (III), Proceedings of Francophone Multidisciplinary Colloquium on Materials, Environment and Electronics, Issue nr. 1, vol. 2, paper no. 77, Editeur Presses Universitaires de Limoges (Pulim), ISBN 978-2-84287-539-8, **2011**.
31. **Georgescu A.M.**, Brabie G., Nardou F., Nistor I. D., Penot C., *Utilization of experimental design for specific surface area optimization of a pillared bentonite*, International Conference of Applied Sciences. Chemistry and Chemical Engineering, Fifth Edition, 28-30 aprilie **2011**, Bacău, Alma Mater Publishing House – Bacău, ISSN 2066-7817, p. 98.
32. **Georgescu A.M.**, Nardou F., Penot C., Nistor I.D., Platon N., *Synthesis and characterization by morphological and textural analysis of Al-pillared clays*, prepared from montmorillonite K-10, International Conference of Applied Sciences. Chemistry and Chemical Engineering, nr. 3, Slănic-Moldova, 8-11 aprilie 2010, Editura Alma Mater Bacău, ISSN 2066 – 7817, p. 378-385.
33. Aruș V.A., Moroi A.M., **Georgescu A.M.**, *Mathematic modelling and optimization of biochemical maturation process of sour cream by factorial analysis*, Papers of the International Symposium EURO-ALIMENT, Challenges for Food Science and Food Industry in the Recession Era, October 9-10, 2009, University "Dunarea de Jos" Galati, ISSN 1843-5114, p. 116-124.
34. **Georgescu A.M.**, Brabie G., Nistor I.D., Miron N.D., *Review concerning the methods of ceramic nanomaterials fabrication used in industrial fields*, International Conference of Applied Sciences. Chemistry and Chemical Engineering, vol. 2, ISSN 2066 - 7817, Slănic-Moldova, 02-05 aprilie 2009, Editura Alma Mater Bacău, p. 262-270.
35. Ghimiciu G., Florea D., **Georgescu A.M.**, Nistor I.D., Miron N.D. - *Study concerning the acid value influence on glycerin soaps*, International Conference of Applied Sciences, Chemistry and Engineering Chemistry, Bacău – Slănic Moldova, 2-5 aprilie 2009, Editura Alma Mater Bacău, ISSN 2066 - 7817, p.257-261.
36. Dospinescu A.M., Grădinaru A., **Georgescu A.M.**, Ursu A.V., Miron D.N., Nistor I.D., *L'etude concernant l'influence de la conservation de differents especes de poisson sur quelque parametres physico-chimique*, International Conference of Applied Sciences, Chemistry and Engineering Chemistry, Bacău – Slănic Moldova, 4-6 aprilie 2008, Editura Alma Mater Bacău, ISBN 978-973-1833-86-6, p. 36-45.
37. Nistor I.D., Miron N.D., Ursu A.V., Aruș A.V., **Georgescu A.M.**, Mareș M.A., Siminiceanu I., Azzouz A., *Studiul unor proprietăți ale materialelor neconvenționale argiloase utilizate în intensificarea proceselor de depoluare a mediului*, Rezumate – a XXX-a Conferință Națională de Chimie, ISBN 973- 8488-74-5, p. 261, **2008**.
38. **Georgescu A.M.**, Nistor I.D., Miron D.N., *Influence of alpha-amylase addition in bakery*, Proceedings of the first Applied Sciences Symposium – ASS 2007, Bacău-Slănic Moldova, 13-15 aprilie 2007, Ed. Alma Mater, Bacau, ISSN 1843-1003, p. 177-183.
39. **Georgescu A.M.**, Nistor I.D., Miron D.N., *Functional proprieties of edible gelatine*, Proceedings of the first Applied Sciences Symposium – ASS 2007, Bacău-Slănic Moldova, 13-15 aprilie 2007, Ed. Alma Mater, Bacau, ISSN 1843-1003, p. 184-193.
40. **Georgescu A.M.**, Nistor I.D., Miron D.N., Dron P.I., *Study concerning the acid rains presence in Bacău*, Proceedings of the first Applied Sciences Symposium – ASS 2007, Bacău-Slănic Moldova, 13-15 aprilie 2007, Ed. Alma Mater, Bacau, ISSN 1843-1003, p. 169-176.

LUCRĂRI PREZENTATE LA MANIFESTĂRI ȘTIINȚIFICE NAȚIONALE/INTERNAȚIONALE SUB FORMĂ DE COMUNICARE ORALĂ SAU POSTER

COMUNICĂRI ORALE

1. **Georgescu A.M.**, Platon N., Aruș V. A., Nardou F., Penot C., Brabie G., Siminiceanu I., Nistor I. D., *Etude comparative de la synthèse et de la caractérisation d'argiles pontées en utilisant des polyhydroxocations différentes*, Le 10ème édition du Colloque Franco-Roumain de Chimie Appliquée (COFRoCA 2018), Bacău, România, <http://cofroca.ub.ro/>, 27 - 29 Juin **2018**.
2. Mirilă D.C, Pîrvan M., Nistor I.D., Arus V.A., **Georgescu A.M.**, Platon N. *Synthesis and characterization of nanomaterials clay used for wastewater remediation*. International conference for students STUDENT IN BUCOVINA Suceava, România, <http://www.fia.usv.ro/www/manifestari.php> , 10-11 noiembrie **2016**.
3. **Georgescu A.M.**, Nistor I.D., Penot C., Brabie G., Nardou F., *Rétention de métaux lourds toxique sur les nanomatériaux dans des solutions aqueuses synthétiques*, International Conference of Applied Sciences, Chemistry and Chemical Engineering, Sixth Edition 24th – 27 April **2012**, Bacau, Romania <http://cisaconf.ub.ro>.
4. **Georgescu A.M.**, Nistor Ileana Denisa, Miron Neculai Doru, Penot Claude, Nardou Françoise, *Utilisation of nanomaterials in environment application*, Modern Technology in the Food Industry 2012, Chișinău, Republica Moldova, 1 - 3 noiembrie **2012**.
5. Nistor I.D., Miron N.D., Ursu A.V., Aruș A.V., **Georgescu A.M.**, Mareș M.A., Siminiceanu I., Azzouz A., *Studiul unor proprietăți ale materialelor neconvenționale argiloase utilizate în intensificarea proceselor de depoluare a mediului*, A XXX-a Conferință Națională de Chimie, 8-10 octombrie **2008**, Călimănești-Căciulata, Vâlcea, România.

POSTERE

6. Georgescu A.M., Penot C., Nardou F., Nistor I.D., Influence des paramètres de synthèse sur la stabilité thermique des argiles pontées avec de l'aluminium, Le cinquième colloque francophone PLUridisciplinaire sur les Matériaux, l'Environnement et l'Electronique (PLUMEE 2017), 19-21 octobre 2017.
7. Pîrvan M.Ş., Mirilă D., Aruş A. V., **Georgescu A.M.**, Muntianu G., Roşu A. M., Platon N., Brahmi R., Pirault- Roy L., Nistor I.D., Nanocomposites – hydroxydes doubles lamellaires utilisés dans la protection de l'environnement, Le cinquième colloque francophone PLUridisciplinaire sur les Matériaux, l'Environnement et l'Electronique (PLUMEE 2017), 19-21 octobre 2017.
8. **Georgescu A.M.**, Nardou F., Penot C., Platon N., Aruş A.V., Nistor I. D., Lead adsorption from aqueous solutions onto chemically modified nanomaterials, SYMPOSIUM 'ECOLOGY AND PROTECTION OF ECOSYSTEMS' THE XII TH EDITION, 2 – 4 Noiembrie 2017.
9. **Georgescu A.M.**, Nistor I. D., Răducanu D., Modeling and optimization of growth parameters for bakery yeast (*Saccharomyces cerevisiae*) by using experimental design procedure, SYMPOSIUM 'ECOLOGY AND PROTECTION OF ECOSYSTEMS' THE XII TH EDITION, 2 – 4 Noiembrie 2017.
10. Platon N., **Georgescu A.M.**, Nistor I. D., Characterization of montmorillonite clay used for environmental remediation, SYMPOSIUM 'ECOLOGY AND PROTECTION OF ECOSYSTEMS' THE XII TH EDITION, 2 – 4 Noiembrie 2017.
11. Răducanu D., Raţi I.V., **Georgescu A.M.**, Researches concerning the optimization of growth parameters of some probiotic bacteria in laboratory conditions, SYMPOSIUM 'ECOLOGY AND PROTECTION OF ECOSYSTEMS' THE XII TH EDITION, 2 – 4 Noiembrie 2017.
12. Pîrvan M.Ş., Mirilă D., **Georgescu A.M.**, L. Pirault-Roy, Nistor I. D., Layered double hydroxides, nanomaterials used for environmental protection, SYMPOSIUM 'ECOLOGY AND PROTECTION OF ECOSYSTEMS' THE XII TH EDITION, 2 – 4 Noiembrie 2017.
13. Burcă F.B., Spătaru V.I., **Georgescu A.M.**, Beneficiile și efectele fructelor goji (*Lycium barbarum*) asupra sănătății, Sesiunea națională de comunicări științifice studentești, „Ingineria – profesia viitorului”, ediția I, 27-29 noiembrie 2017.
14. Lupu M., **Georgescu A.M.**, Proprietățile terapeutice ale produselor apicole, Sesiunea națională de comunicări științifice studentești, „Ingineria – profesia viitorului”, ediția I, 27-29 noiembrie 2017.
15. **Georgescu A.M.**, Nardou F., Nistor I.D., Influence of synthesis parameters on morphological properties of aluminum(III)-pillared bentonites, The International Conferences (CISA 2016), 2-4 iunie 2016, Bacău.
16. **Georgescu A.M.**, Nardou F., Nistor I.D., Influence of purification process on the characteristics of Romanian calcium bentonite, The International Conferences (CISA 2016), 2-4 iunie 2016, Bacău.
17. Ureche C., Aruş AV, **Georgescu AM.**, Muntianu G., Ureche D., Study presence of certain heavy metals in Bistrita River water, The International Conferences (CISA 2016), 2-4 iunie 2016, Bacău.
18. Nistor ID., **Georgescu AM.**, Muntianu G., Platon N., Aruş AV., Matériaux fonctionnalisés à base d'argile, The International Conferences (CISA 2016), 2-4 iunie 2016, Bacău.
19. Pîrvan M.-Ş., **Georgescu A.M.**, Pirault-Roy L., Nistor I.D., Matériaux poreux utilisés dans la protection de l'environnement, International Conference “Modern Technologies in the Food Industry”, Technical University of Moldova, Chisinau, 20-22 october 2016.
20. **Georgescu A.M.**, Nardou F., Pîrvan M., Nistor I.D., Adsorption of Cd(II) ions from aqueous solutions by advanced nanomaterials, 19th International Symposium “The Environment and the Industry” - SIMI 2016, 13-14 Octombrie 2016, Bucureşti.
21. Aruş V.A., Pârvulescu O.C., Nistor I.D., **Georgescu A.M.**, Muntianu G., Roşu A.M., Platon N., Jinescu G., Contributions regarding the kinetics of lactic acid fermentation in the presence of hydrotalcite, Symposium of the Young Chemical Engineers – SICHEM, 8-9 septembrie 2016.
22. **Georgescu A.M.**, Aruş V.A., Nardou F., Nistor I.D., Preparation and characterization of Al(III)-pillared interlayered clays based on indigenous bentonite, Symposium of the Young Chemical Engineers – SICHEM, 8-9 septembrie 2016.
23. Muntianu G., **Georgescu A.M.**, Nistor I.D., Jinescu G., Ammonia adsorption kinetics on clay particles in fluidized bed, Symposium of the Young Chemical Engineers – SICHEM, 8-9 septembrie 2016.
24. Mirilă D.C., Pîrvan M.Ş., Nistor I.D., Aruş V.A., **Georgescu A.M.**, Platon N., Synthesis and characterization of nanomaterials clay used for wastewater remediation, The 7th International Conference for Students, “STUDENT IN BUCOVINA”, Faculty of Food Engineering, Stefan cel Mare University of Suceava, 10th - 11th November 2016.
25. **Georgescu A.M.**, Nardou F., Brabie G., Aruş V.A., Nistor I.D., Synthèse et caractérisation structurale et texturale de la bentonite calcique Roumaine pontée avec des ions de l'aluminium(III), Colloque Franco-Roumain de Chimie Appliquée COFrRoCA – 2016, 29.06.2016 - 01.07.2016, Clermont-Ferrand, Franța.
26. Aruş V.A., Pârvulescu O.C., Nistor I.D., Platon N., **Georgescu A.M.**, Jinescu G., Modélisation mathématique du processus de rétention de l'acide lactique sur les argiles anioniques dans des solutions synthétique de l'acide lactique sous agitation mécanique ou à ultrasons, Colloque Franco-Roumain de Chimie Appliquée COFrRoCA – 2016, 29.06.2016 - 01.07.2016, Clermont-Ferrand, Franța.
27. Pîrvan M.-Ş., **Georgescu A.M.**, Pirault-Roy L., Nistor I.D., Matériaux poreux utilisés dans la protection de l'environnement, International Conference Modern Technologies in the Food Industry, third edition, Chişinău, Republica Moldova, 20-22 octombrie 2016.

28. **Georgescu A.M.**, Muntianu G., Nistor I.D., Nardou F., *Modeling and optimization of pillaring process using experimental design procedure*, Ecology and Protection of Ecosystems, the 11th Edition, November 5th – 7th **2015**, Bacău, www.epebacau.ro
29. Muntianu G., **Georgescu A.M.**, Nistor I.D., Jinescu G., *Capitalization of natural and structurally modified bentonites used as adsorbents in ammonia atmospheric retention*, Ecology and Protection of Ecosystems, the 11th Edition, November 5th – 7th **2015**, Bacău, www.epebacau.ro
30. Nistor I.D., Aruș A. V., Pîrvan M., **Georgescu A.M.**, Muntianu G., Miron N. D., *Use of some clay materials on sunflower oil bleaching*, Ecology and Protection of Ecosystems, the 11th Edition, November 5th – 7th **2015**, Bacău, www.epebacau.ro
31. **Georgescu A.M.**, Nardou F., Nistor I.D., *Study on the preparation and characterization of chemically modified clays using K10 as raw material*, 9th Edition of International Conference of Applied Sciences - CISA 2015, Bacău, România 04.06 – 06.06.2015, www.oproteh.ub.ro
32. **Georgescu A.M.**, Nistor I.D., Nardou F., *Removal of lead(II) ions from aqueous solutions onto chemically modified nanomaterials*, Second International Conference on NATURAL AND ANTHROPIC RISKS ICNAR, Bacău, România 04.06 – 07.06.2014, <http://www.icnar.ub.ro/>
33. **Georgescu A.M.**, Brabie G., Nistor I.D., Penot C., Nardou F., *Caractérisation texturale et morphologique de la bentonite calcique Roumaine échangée ionique avec des ions de cuivre(II)*, 8th Edition of International Conference of Applied Sciences, Chemistry and Chemical Engineering - CISA 2014, Bacău, România, 07.05 – 09.05.2014, <http://cisaconf.ub.ro>
34. Zavada R. M., Roșu A.M., Farkas A. E., **Georgescu A.M.**, Miron N. D., Popa M. I., Nistor I.D., *Isolation and quantification of photosynthetic pigments from stinging nettle (Urtica dioica L.)*, International Conference of Applied Sciences. Chemistry and Chemical Engineering, 7th Edition, 15-18 May **2013**, <http://cisaconf.ub.ro>
35. **Georgescu A.M.**, Nistor I.D., Penot C., Nardou F., *Interaction between toxic lead ions and modified calcium bentonites in environment depollution*, First International Conference on Moldavian Risks - From Global to Local Scale, 16-19 May **2012**, Bacau, Romania, http://mrconference.ub.ro/sci_com.php
36. **Georgescu A.M.**, Brabie G., Nardou F., Nistor I.D., Penot C., *Synthèse et caractérisation d'argiles roumaines pontées avec du Chrome(III)*, Le deuxième colloque francophone PLUridisciplinaire sur les Matériaux, l'Environnement et l'Electronique (PLUMEE 2011), Limoges, France, 30 Mai - 1 Juin **2011**
37. **Georgescu A.M.**, Brabie G., Nardou F., Nistor I. D., Penot C., *Utilization of experimental design for specific surface area optimization of a pillared bentonite*, International Conference of Applied Sciences. Chemistry and Chemical Engineering, Fifth Edition, April 28-30, **2011**, Bacău, Romania <http://cisaconf.ub.ro>
38. Aruș V.A., **Georgescu A.M.**, Lazar I.M., Nistor I.D., Miron N.D., Azzouz A., Farkas A.E., Cojocaru R.M., *Use of some clay matrices in biotechnology of acid dairy products*, Food and Environment Safety - Journal of Faculty of Food Engineering, Ștefan cel Mare University – Suceava, România, **2010**
39. Aruș V.A., Moroi A.M., **Georgescu A.M.**, *Mathematic modelling and optimization of biochemical maturation process of sour cream by factorial analysis*, Papers of the International Symposium EURO-ALIMENT, Challenges for Food Science and Food Industry in the Recession Era, October 9-10, 2009, University "Dunarea de Jos" Galati, ISSN 1843-5114, **2009**, <http://www.euroaliment.ugal.ro/Euro-aliment-2009.htm>
40. Dospinescu A.M., Grădinaru A., **Georgescu A.M.**, Ursu A.V., Miron D.N., Nistor I.D., *L'étude concernant l'influence de la conservation de différents especes de poisson sur quelques paramètres physico-chimique*, International Conference of Applied Sciences, Chemistry and Engineering Chemistry, Bacău – Slănic Moldova, 4-6 aprilie **2008** <http://cisaconf.ub.ro>
41. Nistor D.I., Miron N.D., Ursu A.V., **Georgescu A.M.**, Platon N., *Retention of organic pollutants with microporous aluminosilicate materials*, Open days of "Alexandru Ioan Cuza" University, Faculty of Chemistry, Iasi, **2007**
42. **Georgescu A.M.**, Nistor I.D., Miron D.N., *Influence of alpha-amylase addition in bakery*, First Edition of the Applied Sciences Symposium, ASS – 2007, 13-15 april **2007**, Bacău-Slănic Moldova, Romania <http://cisaconf.ub.ro>
43. **Georgescu A.M.**, Nistor I.D., Miron D.N., *Functional properties of edible gelatine*, Edition of the Applied Sciences Symposium, ASS – 2007, 13-15 april **2007**, Bacău-Slănic Moldova, Romania <http://cisaconf.ub.ro>
44. **Georgescu A.M.**, Nistor I.D., Miron D.N., Dron P.I., *Study concerning the acid rains presence in Bacău*, Edition of the Applied Sciences Symposium, ASS – 2007, 13-15 april **2007**, Bacău-Slănic Moldova, Romania <http://cisaconf.ub.ro>

PREZENTĂRI INVITATE ÎN PLENUL UNOR MANIFESTĂRI ȘTIINȚIFICE INTERNAȚIONALE

1. **Georgescu A.M.**, Brabie G., Nistor I.D., Penot C., Nardou F., *Nanomaterials for environmental applications*, Nanoscience Conference, 14th – 17th February **2012**, Lanzarote, Spain.

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

Data,
19.10.2018

Semnătura,
Asist.univ.dr.ing. Ana-Maria GEORGESCU