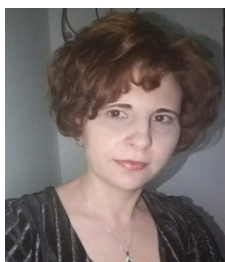



Ungureanu, Elena




Intended job /

Occupational field

 Decebal Street, no. 4, B1, Sc. B, Et. 3, Ap. 15, Iasi Romania

 +40 232 40 75 52

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 eungureanu@uaiasi.ro; elungureanu@yahoo.ro; eungureanu230@gmail.com.

SeX Female | Date of birth [REDACTED] | Nationality Romanian

Desired employment University education

Assoc. Prof. dr.

PHYSICAL AND COLLOIDAL CHEMISTRY, specializations: TPPA, PCM, INORGANIC AND ANALYTICAL CHEMISTRY, specializations: TPPA, PCM CHEMISTRY, specialization: EMIAIA Iasi University of Life Sciences, Romania

PROFESSIONAL EXPERIENCE

01.10.2014
- present

Desired employment / Occupational field University education

Lecturer PhD.

Iasi University of Life Sciences „Ion Ionescu de la Brad” Iași, Mihail Sadoveanu Alley no. 3, Iasi 700490, Romania, www.iuls.ro

- Teaching courses in: PHYSICAL AND COLLOIDAL CHEMISTRY, specializations CEPA, TPPA and PCM, COLLOIDS IN THE FOOD INDUSTRY, specialization PCM, INORGANIC AND ANALYTICAL CHEMISTRY, specialization TPPA and PCM and CHEMISTRY, specialization EMIAIA;
- Organizing, conducting and conducting practical work and seminars on physical and colloidal chemistry, general chemistry, chemistry, inorganic and analytical chemistry and colloids in the food industry, specializations AGRICULTURE, BIOLOGY, IMAA, TPPA, PCM, EMIAIA, CEPA, VETERINARY MEDICINE;
- Assistance to the teaching process (course, practical works, projects).
- Preparation of teaching activity.
- Checks of control works.
- Consultations for students, provided in the subjects of the norm.
- Exam assistance.
- Participation in scientific events.
- Secretary at the symposia of the Faculty of Horticulture, Iași
- Member of the commission for teaching positions within IULS Iași
- Reviewer of ISI journals and university books..

19.09.2011
01.10..2014

Desired employment / Occupational field University education

Assistant PhD

Iasi University of Life Sciences „Ion Ionescu de la Brad” Iași, Mihail Sadoveanu Alley no. 3, Iasi 700490, Romania, www.iuls.ro

- Teaching course on: PHYSICAL AND COLLOIDAL CHEMISTRY, CEPA and TPPA specializations;
- Organization, management and performance of practical works and seminars on PHYSICAL AND COLLOIDAL CHEMISTRY, GENERAL CHEMISTRY, INORGANIC AND ANALYTICAL CHEMISTRY, ORGANIC CHEMISTRY AND BIOCHEMISTRY, specializations AGRICULTURE, BIOLOGY, IEA, TPPA, CEPA, IMAA, HORTICULTURE;
- Assistance to the teaching process (course, practical works, projects).
- Preparation of teaching activity.
- Checks of control works.
- Consultations for students, provided in the discipline of the norm.
- Exam assistance.
- Participation in scientific events
- Secretary at the symposia of the Faculty of Horticulture, Iași
- Member of the committee for teaching positions within IULS Iași Secretary during the symposia.

Desired employment / Occupational field University education

- 01.09.2009 **Assistant PhD assoc.**
 19.09.2011 Iasi University of Life Sciences „Ion Ionescu de la Brad” Iași, Mihail Sadoveanu Alley no. 3, Iasi 700490, Romania, www.iuls.ro
- Teaching course on: PHYSICAL AND COLLOIDAL CHEMISTRY, CEPA and TPPA specializations;
 - Organization, management and performance of practical works and seminars on PHYSICAL AND COLLOIDAL CHEMISTRY, GENERAL CHEMISTRY, INORGANIC AND ANALYTICAL CHEMISTRY, ORGANIC CHEMISTRY AND BIOCHEMISTRY, specializations AGRICULTURE, BIOLOGY, IEA, TPPA, CEPA, IMAPA, HORTICULTURE;
 - Assistance to the teaching process (course, practical works, projects).
 - Preparation of teaching activity.
 - Checks of control works.
 - Consultations for students, provided in the discipline of the norm.
 - Exam assistance.
 - Participation in scientific events.

Desired employment / Occupational field pre-University education

- 01.11.2008 **Teaching chemistry**
 01.09.2009 The school „Dimitrie Sturdza”, Cetățuii Street, 3, Iași, Tel/Fax: 0232/229855, e-mail: scoala43is@yahoo.com
- Conducting regular hours.
 - Participation in scientific events.

EDUCATION AND TRAINING

- 01.06. 2021 **Professional skills attestation certificate (CA Series, 0049829 No).**
 1.09. 2021 The academy of economic studies in Bucharest.
- Postgraduate training and continuous professional development
- 01.10. 2004 **PhD in Chemical engineering F Series, 0011448 No).**
 23.10. 2008 “Gh. Asachi” Technical University of Iasi
- Cellulose chemistry. The chemistry of lignin. Biotechnological processes in the pulp and paper industry. Wood chemistry I. Wood chemistry II. Numerical methods of experimental data processing. Composite materials based on cellolignince materials, Adhesive systems based on lignins. Biological stability of composite materials based on cellolignins.
- 01.10. 2004 **Master's degree in the paper Science and Engineering (E Series, 0004228 No)**
 23.06. 2005 “Gh. Asachi” Technical University of Iasi
- Analysis, modeling and synthesis of processes. Chemical processes in papermaking. The physics of paper. Integrated environmental management. Resource management in pulp and paper manufacturing. Advances in fiber pulp manufacturing. The science of wood. Research strategy.
- 16.09.2000 **Licensed in chemistry and physical în Chimie și Fizică. (V Series, 0074107 No).**
 15.06. 2004 „Alexandru Ioan Cuza” University of Iasi
- Physical chemistry of aggregation states; Physical chemistry (thermodynamics); Physical chemistry (kinetics); Physical chemistry (structure); Quantum chemistry; Electrochemistry; Colloidal chemistry; Reactivity and molecular spectroscopy; Macromolecular chemistry; Homogeneous and heterogeneous catalysis elements; Anorganic chemistry; Isotopes; Qualitative and quantitative chemical analysis; Instrumental analysis; Organic chemistry; Organic, elementary, functional and structural analysis; Biochemistry, chemical technology; Mechanical physics; Molecular physics and heat; Electricity and magnetism; Optical physics; Solid body physics; Atomic and nuclear physics; Theoretical physics.
- 16.09.2000 **Psycho-educational certificate. (E Series,0028706 No).**
 15.06. 2004 „Alexandru Ioan Cuza” University of Iasi
- School psychology; Pedagogy; Chemistry teaching; Physics teaching; Psycho-pedagogical counseling; Computer aided training.



PERSONAL COMPETENCE

Mother tongue(s) Romanian

| Other language(s) | UNDERSTANDING | | SPEAKING | | WRITING |
|--|---------------|---------|-----------------------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction conversație | Spoken production | |
| English language | B1 | B1 | B1 | B1 | B1 |
| Certificate of Language Proficiency, IULS Iasi, 2023 | | | | | |
| French language | B1 | B1 | B1 | B1 | B1 |
| Certificate of Language Proficiency, IULS Iasi, 2010 | | | | | |

Levels: A1/A2: Elementar user - B1/B2: Independent user- C1/C2: Experienced user
Common European Framework of Reference for Languages

Communication skills

- Cohesion and clarity (clear communication, clarifying the message to be understood, skill subtleties, communication to achieve a certain result, strategic communication, communicating complex messages). Firm and friendly tone. Emotional intelligence. Trust in interactions and empathy. Respect and listen effectively to other people. Lack of prejudice. Adaptability to verbal communication via video recordings, phone calls, etc

Organizational / managerial skills - Good project management experience (director and member in research projects, professional associations, student counseling).

Skills acquired in the workplace

-Elaboration of university books and scientific articles published in national and international journals.
- Easy use of the equipment in the chemistry and physics laboratories, classic and modern, such as: HPLC, MS, NMR, TG, DTG, SEM, FTIR, UV-VIS systems.
- Research directions: Biomass Conversion, Biocidal Systems, Biodegradable Composite Materials, Polymer hybrid structures, Heavy metals, Chelated compounds, Metallogels, Wood science, lignin Chemistry, Cellulose Chemistry, Identification of mycoorganisms, Natural compounds and fibers, Spectral analyzes and of thermal stability, Kinetics and chemical equilibrium, Adsorption and adsorbents, Soil chemistry, Germination seeds, Plant development, Plant extracts, Antioxidant capacity, Food colloids, Dispersions colloidal, Proteins, Mycotoxins, Zeolites, Environmental analyses.

Digital competences

| AUTOEVALUATION | | | | |
|------------------------|------------------|------------------|------------------|------------------|
| Information Processing | Communication | Content Creation | Security | Troubleshootig |
| Independent user | Independent user | Independent user | Independent user | Independent user |

Levels: Elementar user - Independent user- Experienced user

Other competences

- Microsoft Office and 365, Chemdraw, The Unscrambler (statistics program), Spectral programs for processing data according to the in-depth spectral technique, navigation the Internet Social Media Good use of communication programs (mail, messenger, etc.).
- Team spirit. Capacity of conception, analysis, synthesis. Interactivity, pedagogical tact, receptivity to the news. Creative problem solving. Morality, discipline, respect, collegial solidarity and altruism. Adaptation to multicultural environments. Seriousness, loyalty, punctuality, availability to the schedule extended work.

ANNEXES

1. Experience gained in research grants and contracts.
2. Awards won.
3. Member of professional associations and affiliations.
4. Scientific works developed and published.
5. Citations of published scientific works.
6. University books and textbooks.
7. International training courses.



ANNEX 1: EXPERIENCE ACCUMULATED IN RESEARCH GRANTS AND CONTRACTS:
Projects carried IULS:

1. Economic Agent: SC AGECE SRL Financing contract, no. 6635/23.05.2023 - Unconventional biocidal systems based on lignin nanoparticles for the preservation of natural composite structures), IULS " 60,000 RON, project director: Lecturer Dr. Elena UNGUREANU

Articles published within the project:

1. **E.Ungureanu**, M.E. Fortună, D.C. Țopa, C.O. Brezuleanu, V.I. Ungureanu, C. Chiruță, R. Rotaru, B.M. Tofanică, V.I. Popa, C. D. Jităreanu - *Comparison adsorption of Cd (II) onto Lignin and Polysaccharide-based polymers*, Polymers, 15 (18), 3794, 23 pages, ISSN: 2073-4360, WOS: 001074478800001, <https://doi.org/10.3390/polym15183794>, IF-5, **2023**

2. **E.Ungureanu**, L.E. Chelariu, O.C. Ungureanu, M.E. Fortună V.I. Popa, C.D. Jităreanu - *Thermodynamic studies on Cd (II) retention from aqueous medium on Sarkanda grass lignin nanoparticles*, Scientific Papers, Horticulture Series, 1 (66), IULS Iasi, ISSN: 1454-7376, accepted for publication, **2023**

1. Economic agent SC ANTIBIOTIC SA, Financing contract **no .1969/16.02.2023** - Quality analysis of raw materials of plant origin used in technological processes (amino acid analysis), characterization and improvement of sensory properties of active principles and finished products, 142396,6 RON, **member**, director : Lecturer . dr. Gabriela FRUNZĂ
2. Economic agent SC ANTIBIOTIC SA, Financing contract **no. 1970/16.02.2023, 2023-2024** - Analysis of the quality of raw materials of vegetable origin and lipolytic activity in the technological process of biosynthesis, 140618,73 RON, **member**, director: Lecturer dr. Gabriela FRUNZĂ
3. Economic agent S.C. EVEL-H COMPANY S.R.L., Financing contract, **no. 9762/10.07.2023** - Increasing the economic viability of the farm by optimizing the use of production factors in conditions of resilience to climatic factors, respecting the principles of sustainable development, 62500 RON, **member**, director: Assoc Prof. dr. Carmen Olguța BREZULEANU
4. Economic agent S.C. INTEGRASEM SRL, Financing contract, no. 12044/27.07.2023: **2023-2025** - Pedoclimatic analyzes and studies through mathematical modeling regarding the state of soil fertility within SC INTEGRASEM SRL, 54494 RON, **member**, director : Lecturer dr. Ciprian CHIRUȚĂ
5. **CNFIS-FDI-2019-0165** - Modernization of the teaching-learning-evaluation activity in higher agronomic education and compliance with deontology and academic ethics), 338497 RON, **member**, director: Prof. dr. Mihai STANCIU
6. **ROSE 103/SGU/CI/II/17/12/2018: 2018-2021** - USAMV Iasi Learning Center - learning for life, 715.523,27 RON, **member**, director: Assoc Prof. dr. Carmen Olguța BREZULEANU

Projects carried TU „Gheorghe Asachi” Iasi :

7. **INTERNATIONAL PROJECT: ECOBINDERS INTERNATIONAL**, NMP2-CT2005-011734, CE, **2005-2008** (Furan and lignin based resins as eco-friendly and durable solutions for wood preservation, panel, board and design products), Universitatea Tehnică „Gheorghe Asachi” Iași, 150 000 Euro, **member**, director: Prof. dr. Valentin I. POPA
8. **BIOCOP,CEEX-CNCSIS, nr.61, 2005-2007** (Polymeric biocomposites from renewable resources for high-end applications), "Gheorghe Asachi" Technical University Iasi, 150000/89000 RON, **member**, director: Prof. dr. Dan Alexandru GAVRILESCU
9. **NANOCOFARM, CEEX-CNCSIS, nr.108, 2006-2008** (New nanostructured systems used for the controlled release of pharmacological agents), "Gheorghe Asachi" Technical University Iasi, 1500000/400000 RON, **member**, director: Prof. dr. Marcel Ionel POPA
10. **LIGNOMAT, CEEX-CNCSIS, nr.4153, 2006-2008** (Lignin - source of raw materials for non-conventional fuels, energy, chemical products and high-performance materials under the conditions of sustainable development), "Gheorghe Asachi" Technical University Iasi, 241849 RON, **member**, director: Prof. dr. Valentin I. POPA.

ANNEX 2: AWARDS OBTAINED:

1. A.M.Ariton, S.Creangă, L.C.Trincă, S.I.Borș, **E.Ungureanu**, Th.Măluțan, V.I. Popa - Valorization of lignin modified by hydroxymethylation to ensure birch veneer bioprotection Cellulose Chemistry and Technology, 49 (9-10), p. 765-774, WOS: 000368648800005, **2015, UEFISCDI**, <https://uefiscdi.gov.ro/premierea-rezultatelor-cercetarii-articole>
2. **E.Ungureanu**, A.E.Trofin, A.M.Ariton, C.D.Jităreanu, O.Ungureanu, V.Gîlcă, S.I.Borș, V.I. Popa - Applications of epoxidated lignins for bioprotection of lignocellulosic materials, Cellulose Chemistry and Technology, 50 (1), p.77-85, ISSN:0576-9787, WOS: 000376831900010, **2016, UEFISCDI**, <https://uefiscdi.gov.ro/premierea-rezultatelor-cercetarii-articole>
3. M.M. Iftime, G.L. Ailieseși, **E. Ungureanu**, L. Marin - Designing chitosan based eco-friendly multifunctional soil conditioner systems with urea controlled release and water retention, Carbohydrate Polymers 223 (2019) 115140, 10 pages, ISSN: 0144-8617, WOS: 000481570700018, **2019, UEFISCDI**, <https://uefiscdi.gov.ro/premierea-rezultatelor-cercetarii-articole>
4. **E.Ungureanu**, O.C.Ungureanu, A.Trofin, A.M.Ariton, C.D.Jităreanu, V.I.Popa - Gravitational analyses applied to Protobind 1000 lignin, Scientific Papers, Horticulture Series, USAMV Iași,1(63), p.17-22, ISSN: 1454-7376, **2020**, the best paper of the section: Fundamental Sciences, awarded -IULS, www.iuls.ro



5. M.E.Fortună, **E.Ungureanu***, C.D. Jităreanu - Calcium carbonate - carboxymethyl chitosan hybrid materials, *Materials*, 14 (12) 3336, 12 pages, eISSN: 1996-1944, WOS: 000666068700001, **2021**, **UEFISCDI**, <https://uefiscdi.gov.ro/premierea-rezultatelor-cercetarii-articole>
6. A.M. Ariton, A.S. Neculai-Văleanu, **E.Ungureanu**, L.C.Trincă - Lactose-free Yogurt Enriched with Pumpkinseed flour for Sustainable Health, EUROINVENT-14th International Conference on Innovative Research, Iasi, Romania, 27-28 mai **2022**, <https://www.euroinvent.org>, **medalie de argint**.
7. M.E.Fortună, **E.Ungureanu***, C.D. Jităreanu, D.C. Țopa, V. Harabagiu - Effects of hybrid polymeric material based on polycaprolactone on the environment, 2022, *Materials*, 15(14) 4868, 15 pages, eISSN: 1996-1944, WOS: 000833611900001, **2022**, **UEFISCDI**, <https://uefiscdi.gov.ro/premierea-rezultatelor-cercetarii-articole>.

ANNEX 3: MEMBER OF PROFESSIONAL ASSOCIATIONS AND AFFILIATIONS:

Professional Associations:

1. Romanian Society of Horticulturists, 2015.
2. "Friends of Pink" association from Romania, 2016.
3. Romanian Chemical Society, 2022.
4. Romanian Environmental Association from Romania, 2023.

Affiliations:

1. "Gheorghe Asachi" Technical University Iasi: **2004-2008**.
2. University of Agricultural Sciences and Veterinary Medicine, "Ion Ionescu de la Brad" Iasi /Iasi University of Life Sciences: **2009-prezent**.

ANNEX 4: SCIENTIFIC WORKS DEVELOPED AND PUBLISHED:**TEZA DE DOCTORAT:**

- „Cercetări în domeniul biodegradării compozitelor pe bază de materiale celolignice”, Universitatea Tehnică „Gheorghe Asachi” Iași, Facultatea de Inginerie Chimică și Protecția Mediului, **2008**, îndrumător: prof. emerit dr. ing. Valentin I. POPA

LUCRAREA DE DISERTAȚIE:

- „Materiale compozite pe bază de materiale celolignice”, Universitatea Tehnică „Gheorghe Asachi” Iași, Facultatea de Chimie Industrială, **2005**, îndrumător: prof. emerit dr. ing. Valentin I. POPA

LUCRAREA DE LICENȚĂ:

- „Sisteme disperse - fenomene de transport”, Universitatea „Alexandru Ioan Cuza” Iași, Facultatea de Chimie, Specializarea: Chimie-Fizică, **2004**, îndrumător: prof. dr. chim. Lucia ODOCHIAN

LUCRĂRI ȘTIINȚIFICE ISI:

1. Popa V.I., **Ungureanu Elena**, Todorciuc Tatiana - On the interaction of lignins, furan resins and furfuryl alcohol in adhesive systems, **2007**, *Cellulose Chemistry and Technology*, 41(2-3), ISSN: 0576-9787, WOS: 000255932900005, pp. 119-123.
2. Popa V.I., Todorciuc Tatiana, **Ungureanu Elena** - Influence of transitional metal ions in the adhesive systems based on lignins, furan resins and furfuryl alcohol, **2007**, *Cellulose Chemistry and Technology*, 41(2-3), ISSN: 0576-9787, WOS: 000258586500012, pp. 319-323.
3. **Ungureanu Elena**, Popa V. I. - On the biological stability of wood in the presence some bioprotection agents, **2007**, *Cellulose Chemistry and Technology*, 41(7-8), ISSN: 0576-9787, WOS: 000261073900010, pp. 429-436.
4. **Ungureanu Elena**, Ungureanu O., Ulea E., Iacob Viorica, Popa V.I. - On the biocide properties of some products based on natural aromatic compounds, **2008**, *Cellulose Chemistry and Technology*, 42(7-8), ISSN: 0576-9787, WOS: 000270522400011, pp. 381-386.
5. Căpraru Adina M., **Ungureanu Elena**, Popa V.I. - Aspects concerning the interaction between birch veneer and different compounds with biocide potential action, **2008**, *Environmental Engineering and Management Journal*, 7(5), ISSN:1582-9596, WOS: 000262246300005, pp. 525-530.
6. **Ungureanu Elena**, Ungureanu O., Căpraru Adina M., Popa V.I. - Chemical modification and characterization of straw lignin, **2009**, *Cellulose Chemistry and Technology*, 43(7-8), ISSN: 0576-9787, WOS: 000276681200005, pp. 263-269.
7. **Ungureanu Elena**, Căpraru Adina M., Ungureanu O., Jităreanu Doina C., Iacob Viorica, Ulea E., Popa V.I. - Ecological biocide systems based on unmodified and epoxydation lignins, furan resin and copper, **2012**, *Cellulose Chemistry and Technology*, 4(9-10), ISSN: 0576-9787, WOS: 000209015600009, pp. 599-603.
8. Căpraru Adina M., **Ungureanu Elena**, Trincă Lucia C., Măluțan Th., Popa V.I. - Chemical and spectral characteristics of annual plants lignins modified by hydroxymetylation reaction, **2012**, *Cellulose Chemistry and Technology*, 46 (9-10), ISSN: 0576-9787, WOS: 000209015600008, pp. 589-597.
9. Arton Adina M., Creangă S., Trincă Lucia C., Borș S.I., **Ungureanu Elena**, Măluțan Th., Popa V.I. - Valorization of lignin modified by hydroxymetylation to ensure birch veneer bioprotection, **2015**, *Cellulose Chemistry and Technology*, 49(9-10), ISSN: 0576-9787, WOS: 000368648800005, pp. 765-774.



10. **Ungureanu Elena**, Trofin Alina E., Arton Adina M., Jităreanu Doina C., Ungureanu O., Gilcă Valerica, Borș S.I., Popa V.I. - Applications of epoxidated lignins for bioprotection of lignocellulosic materials, **2016**, Cellulose Chemistry and Technology, 50(1), ISSN: 0576-9787, WOS: 000376831900010, pp. 77-85.
11. Trofin Alina E., Trincă Lucia C., **Ungureanu Elena**, Arton Adina M. - CUPRAC voltammetric determination of antioxidant capacity in tea samples by using screen-printed microelectrodes, **2019**, Journal of Analytical Methods in Chemistry, ID (2019) 8012758, ISSN: 2090-8865, WOS: 000469213100001, 10 pages.
12. Iftime Manuela M., Ailiesei Gabriela L., **Ungureanu Elena**, Marin Luminița - Designing chitosan based eco-friendly multifunctional soil conditioner systems with urea controlled release and water retention, **2019**, Carbohydrate Polymers, 223 (2019) 115140, ISSN: 0144-8617, WOS:000481570700018, 10 pages.
13. Arton Adina M., Chelmu S.S., Neculai-Valeanu Andra S., Postolache Narcisa A., **Ungureanu Elena**, Creangă S. - Innovative approaches for the analysis and decontamination of mycotoxins from feed and milk, **2020**, Romanian Biotechnological Letters, 25(1), ISSN: 1224-5984, eISSN: 2248-3942, WOS: 000524936900024, pp. 1304-1310.
14. Ungureanu O.C., Popescu M.C., **Ungureanu Elena**, Șarlă C.G. - Recursive Algorithm for the Analysis of Metabolic Cycles, **2020**, IJCSNS (International Journal of Computer Science and Network Security), 20(9), ISSN: 1738-7906, WOS: 000582243200021, pages 170-178.
15. Ungureanu O.C., Popescu M.C., Ciobanu Daniela, **Ungureanu Elena**, Șarlă C.G., Ciobanu Alina E., Todincă P. - Telemedicine software applications, **2021**, IJCSNS International Journal of Computer Science and Network Security, 21(02), ISSN: 1738-7906, WOS: 000630817200002, pages 171-180.
16. Fortună Maria E., **Ungureanu Elena***, Jităreanu Doina C. - Calcium carbonate - carboxymethyl chitosan hybrid materials, **2021**, Materials, 14 (12) 3336, eISSN: 1996-1944, WOS: 000666068700001, 12 pages, (**autor corespondent**).
17. **Ungureanu Elena**, Trofin Alina E., Trincă Lucia C., Arton Adina M., Ungureanu O., Fortună Maria E., Jităreanu Doina C., Popa V.I. - Studies on kinetics and adsorption equilibrium of lead and zinc ions from aqueous solutions on Sarkanda Grass lignin, **2021**, Cellulose Chemistry and Technology, 55(7-8), ISSN: 0576-9787, eISSN: 2457-9459. WOS: 000708063500020, pp. 939-948.
18. **Ungureanu Elena**, Jităreanu Doina C., Trofin Alina E, Fortună Maria E., Ungureanu O., Arton Adina M, Trincă Trincă Lucia C., Brezuleanu S., Popa V.I. - Use of Sarkanda Grass lignin as a possible adsorbent for As (III) from aqueous solutions - kinetic and equilibrium studies, **2022**, Cellulose Chemistry and Technology, 56(5-6), ISSN: 0576-9787, eISSN: 2457-9459, WOS: 000825491900021, pp. 681-689.
19. Fortună Maria E., **Ungureanu Elena***, Jităreanu Doina C., Țopa D.C., Harabagiu Valeria - Effects of hybrid polymeric material based on polycaprolactone on the environment, **2022**, Materials, 15(14) 4868, eISSN: 1996-1944, WOS: 000833611900001, 15 pages, (**autor corespondent**).
20. **Ungureanu Elena**, Fortună Maria E., Țopa, D.C., Lobiuc A., Ungureanu O., Jităreanu Doina C. - Design of the functional polymer systems to optimize the filler retention in obtaining cellulosic substrates with improved properties, **2023**, Materials, 16 (5) 1904, eISSN: 1996-1944, WOS: 000947450600001, 13 pages.
21. **Ungureanu Elena**, Fortună Maria E., Țopa D.C., Brezuleanu Carmen O., Ungureanu V.I., Chiruță C., Rotaru R., Tofanică B.M., Popa V.I., Jităreanu Doina C. - Comparison adsorption of Cd (II) onto Lignin and Polysaccharide-based polymers, **2023**, Polymers, 15 (18), 3794, ISSN: 2073-4360, WOS: 001074478800001, 23 pages.
22. Mikhailidi Aleksandra, Volf Irina, Belosinschi D., Tofanică B.M., **Ungureanu Elena** - Cellulose-based metallogels. Part 1: Raw materials and preparation, **2023**, Gels, 9(5), 390, eISSN: 2310-2861, WOS: 001020280100001, 17 pages.
23. Mikhailidi Aleksandra, Volf Irina, Belosinschi D., Tofanică B.M., **Ungureanu Elena** - Cellulose-Based Metallogels. Part 2: Physico-Chemical Properties and Biological Stability, **2023**, Gels, 9 (8), 633, eISSN: 2310-2861, WOS: 001055268500000, 21 pages.
24. Mikhailidi Aleksandra, **Ungureanu Elena**, Belosinschi D., Tofanică B.M., Volf Irina - Cellulose-Based Metallogels. Part 3: Multifunctional Materials, **2023**, Gels, 9 (11), 878, eISSN: 2310-2861, WOS: 001113431200001, 25 pages.
25. Fortună Maria E., **Ungureanu Elena***, Bargan Alexandra, Rotaru R., Ungureanu O.C., Brezuleanu Carmen O., Harabagiu Valeria - Synthesis and Properties of Modified Biodegradable Polymers, Based on Caprolactone, **2023**, Polymers, 15 (24), 4731, ISSN: 2073-4360, <https://doi.org/10.3390/gels9110878>, 16 pages.

LUCRĂRI ȘTIINȚIFICE BDI:

1. Dumitru Mariana, **Ungureanu Elena** - Soil microorganism influence on biodegradation of some composite materials, **2005**, Lucrări Științifice. Seria Agronomie, USAMV Iași, 48(1), ISSN: 0379-8364, cod CNCSIS: 477, p.701-707.
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3.01.2024

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