



**Europass  
Curriculum Vitae**

**Personal  
information**

Surname / Name **Valentin NĂSTASĂ**  
Adress Iași University of Life Sciences - IULS  
Faculty of Veterinary Medicine, M. Sadoveanu, Nr. 8, 700489 Iasi, Romania  
Phone +40232407321  
Mobile +40754268911  
E-mail [vnastasa@uaiasi.ro](mailto:vnastasa@uaiasi.ro); [vnastasa67@gmail.com](mailto:vnastasa67@gmail.com)  
Nationality Romanian  
Birth date 14 November 1967  
Sex M

**Job to apply for /  
Occupational field**

**Iași University of Life Sciences - IULS  
Discipline: Pharmacology**

**Work experience**

Date	06/2005 -
Occupation or position held	Associate Professor
Main activities and responsibilities	Teaching (lectures, courses, laboratory activities) and research
Name and address of employer	Iași University of Life Sciences, Faculty of Veterinary Medicine M. Sadoveanu, No. 8, 700489 Iasi, Romania
Date	02/ 2001- 2005
Occupation or position held	Lecturer
Main activities and responsibilities	Teaching (lectures, courses, laboratory activities) and research
Name and address of employer	Iași University of Life Sciences, Faculty of Veterinary Medicine M. Sadoveanu, No. 8, 700489 Iasi, Romania
Date	01/1996 - 2001
Occupation or position held	Assistant Professor
Main activities and responsibilities	Teaching (laboratory activities) and research
Name and address of employer	Iași University of Life Sciences, Faculty of Veterinary Medicine M. Sadoveanu, No. 8, 700489 Iasi, Romania



Date 1997 - 06/1998  
Occupation or position held Didactic professionalization courses  
Main activities and responsibilities  
Name and address of employer Alexandru Ioan Cuza University of Iasi, Department of teaching staff training

Date 10/1993-1996  
Occupation or position held Junior Assistant  
Main activities and responsibilities Teaching (laboratory activities) and research  
Name and address of employer Iasi University of Life Sciences, Faculty of Veterinary Medicine M. Sadoveanu, No. 8, 700489 Iasi, Romania

### Education and training

Date 04/2023  
Title of the certificate or diploma obtained Qualification certificate no. 4001/20.04. 2023  
Name and type of educational institution / training provider Ministry of Education

Date 10/2004  
Title of the certificate or diploma obtained Certificate no. 45/01.10. 2004. Doctor of Veterinary Medical Sciences / Pharmacology  
Name and type of educational institution / training provider University of Agricultural Sciences and Veterinary Medicine of Iasi

Date 06/2023  
Title of the certificate or diploma obtained Attendance certificate "Updates and advances in anesthesia and analgesia of laboratory animals"  
Name and type of educational institution / training provider Sorbonne Université and IULS (Iasi University of Life Sciences)

Date 04-09/2022  
Title of the certificate or diploma obtained Attendance certificate "The 1<sup>st</sup> training school-plasma application for smart and sustainable agriculture (PIAgri)  
Name and type of educational institution / training provider Comenius University, Faculty of mathematics, Physics and Informatics

Date 13-16/2023  
Title of the certificate or diploma obtained Attendance certificate "The 2nd training school- Cold plasmas to fight microorganism, viruses & Toxins for medical and agricultural applications"  
Name and type of educational institution / training provider University of Bari Aldo Moro and Institute of Nanotechnology, Italy

Date 02/2022  
Title of the certificate or diploma obtained Certificate of professional skills "Entrepreneurship and Innovation"  
Name and type of educational institution / training provider Academy of Accounting and Management Informatics, Bucharest

Date	04/2022
Title of the certificate or diploma obtained	Certificate of attendance -MDR Gram -negative Bacilli
Name and type of educational institution / training provider	International Society of Antimicrobial Therapy and The Japanese Society of Chemotherapy
Date	03/2017
Title of the certificate or diploma obtained	Certificate of participation "Notions of hematology and blood transfusion"
Name and type of educational institution / training provider	SC Dialab Solution SRL
Date	06/2014
Title of the certificate or diploma obtained	"Professional training program intended for personnel involved in the development of medical and veterinary university study programs with the aim of improving skills in the development and development of curricula - POSDRU/86/1.2/S./63654"
Name and type of educational institution / training provider	University of Agricultural Sciences and Veterinary Medicine of Iasi
Date	05/2013
Title of the certificate or diploma obtained	Diploma of participation "Safe, long-term performance and guaranteed profit"
Name and type of educational institution / training provider	MSD Animal Health
Date	09/2010
Title of the certificate or diploma obtained	Postgraduate educational workshop - "Dermatophytes"
Name and type of educational institution / training provider	Romanian Society of Medical Mycology and Mycotoxicology, Iasi, Romania
Date	12/2009
Title of the certificate or diploma obtained	Certificate of attendance "Medical Mycology from Basic Science to Clinical Needs"
Name and type of educational institution / training provider	Austrian Society of Medical Mycology
Date	09/2008
Title of the certificate or diploma obtained	Postgraduate workshop "Diagnosis and therapy of invasive fungal infections"
Name and type of educational institution / training provider	Romanian Society of Medical Mycology and Mycotoxicology, Iasi, Romania
Date	09/2007
Title of the certificate or diploma obtained	Certificate of attendance „Parasitologi fur biomedicinska analytiker"
Name and type of educational institution / training provider	Faculty of Veterinary Medicine, Uppsala, Suedia
Date	09/2006
Title of the certificate or diploma obtained	Equine veterinary training programme
Name and type of educational institution / training provider	International League for the Protection of Horses

Date 05/1993-10/1993  
 Occupation or position held Veterinarian  
 Name of employer Veterinary practice Holboca, DSV Iași, Romania

Date 1987 -1993  
 Title of the certificate or diploma obtained Doctor of Veterinary Medicine diploma  
 Name and type of educational institution / training provider University of Agricultural Sciences and Veterinary Medicine of Iasi

Date 1982 - 1986  
 Name and type of educational institution / training provider Miroslava Agroindustrial High School, Iasi, Romania, veterinary

Date 1974 -1982  
 Name and type of educational institution/ training provider 8-Year Primary School Cotnari, Iasi, Romania

**Personal skills and competences**

Native language Romanian

**Other languages**

French

English

Comprehension		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
B1	B1	B1	B1	B1
B2	B2	B2	B2	B2

**Computer skills** MS Office, PhotoShop, Paint, Internet

**Digital skills**

Autoevaluation				
Information processing	Communication	Content creation	Security	Problem solving
Independent user	Independent user	Independent user	Independent user	Independent user
Levels: Basic user, Independent user, Proficient user				

**Driving license** B

**Personal competences** The ability to work effectively under pressure, proactivity, adaptability, flexibility, responsibility

## Organizational/managerial skills

Member of the Council of the Faculty of Veterinary Medicine  
Member of the board of directors of the journal Fungi&Mycotoxins  
Member of the organizing committee of the First Medical Mycology Conference,  
Member of the scientific committee of the Medicamentul Veterinar Magazine  
Member of the organizing committee of the 11th Medical Mycology Conference and the First Experimental Medicine Conference, in collaboration with USAMV Iasi  
Member of CPMV (ICBMV Bucharest)  
Director of the Preclinical Department VIII  
Member of the Faculty Council of the Faculty of Veterinary Medicine Iasi.  
Member of the editorial team of Scientific Works magazine, Veterinary Medicine series, ISSN1454-7406  
Member of the organizing committee of the congress: Life Sciences. a Challenge for the Future, 2014  
Member of the organizing committee of the congress: Life Sciences. a Challenge for the Future 2017  
Member of the organizing committee of the congress: Life Sciences Today ~ Tomorrow, 2021  
Organizer and member of the scientific committee of the annual symposiums of the Faculty of Veterinary Medicine Iasi:  
Director and member of over 20 CNCISIS, CEEX, PN II type grants and with economic agents.

## Competențe dobândite la locul de muncă

Areas of interest: Pharmacology, Toxicology, Antibioresistance, Experimental Medicine  
Specific conditions for the job:  
Designing and conducting experiments  
Development of new drug formulations and testing of antimicrobial efficacy  
Testing new molecules with antitumor effect (mice, rats)  
Analysis and interpretation of immune status data in experimental animals through advanced techniques of immunology and molecular biology  
Controlled release studies of the active substance, toxicity testing of a new molecule with pharmacological potential in experimental animals  
Controlling the toxicity of drug molecules by complexing with polymers (polysaccharides)  
In vitro and in vivo tests regarding the biocompatibility of materials and material devices  
Conceptualizing and testing hypotheses using appropriate analytical techniques  
The formulation of recommendations based on findings from research and experiments  
Practical skills of working in the laboratory and the use of advanced molecular biology and immunology techniques  
Individual and team work habits, with activity planning and time management  
Advanced knowledge regarding the design and drafting of a medical scientific material by correlating the results of professional work with specialized information  
Training of specialists regarding medical and pharmaceutical scientific research  
Familiarization with international and European legal norms regarding scientific research, ethics in research and quality assurance in medical-pharmaceutical research

## Publicistic, scientific and research activity

- Over 125 articles, of which 38 articles are indexed by ISI Web Of Knowledge (cumulative impact factor 120.11)
- Hirsch index: 11 (WOS)
- Articles indexed in BDI: 94, of which 28 as sole/first author
- Total number of citations: 540 of which 297 ISI indexed
- Books/monographs/manuals/guides: 1
- Director/responsible for 8 research projects.
- National and international research projects as a member: 12

## Books, monographs

- Năstasă Valentin. Managementul durerii intra- și postoperatorii la animale, 2014 -Biblioteca :Natională, ISBN 978-973-0-17909
- Năstasă Valentin - Farmacodinamie&Farmacocinetica Veterinară, 2016. Ed.Biblioteca Natională-ISBN: 978-973-0-22789-5
- Năstasă Valentin. Farmacologie veterinară. 2008. Editura Performantica, ISBN: 978-973-730-474-2
- Valentin Năstasă, Robert Capotă, 2023. General Veterinary Pharmacology, Ed. Ion Ionescu de la Brad, Iași, ISBN: 978-973-147-503-5
- Liviu Miron, Valentin Năstasă, Mihai Mareș. Terapia Antimicotică, 2008. Ed. PIM, ISBN 978-606-520-154-5, Iași,
- Mihai Mareș, Valentin Năstasă, Ramona Moraru. Terapia Antifungică în Medicina Veterinară, 2013 - Biblioteca Națională, ISBN 978-973-0-14146-2
- Năstasă V, Grecu M - "Farmacologia sistemelor de reglare și control a funcțiilor organismului animal", 2015; Ed. Ion Ionescu de la Brad Iași; ISBN: 978-973-147-207-2
- Andronie V., Maria Crivineanu, Cristin R.T., Cernea M., Năstasă V., Adriana Amfim, Narcisa Treistariu. Ghid privind utilizarea prudentă și responsabilă a antibioticelor la animalele de rentă. București-2016. ISBN: 978-973-0-22995-0.  
[https://issuu.com/maravet/docs/ghid\\_utilizare\\_antibiotice\\_animale](https://issuu.com/maravet/docs/ghid_utilizare_antibiotice_animale)
- Năstasă Valentin., Farmacologie veterinară, 2005. Vol. I., Ed. Ion Ionescu de la Brad, ISBN: 973-7921-53-4/973-7921-53-2
- Năstasă Valentin, 2005. Farmacologie veterinară, 2005. Vol. II., - Ed. Ion Ionescu de la Brad, ISBN: 973-7921-53-4/ 973-7921-53-2
- Octavian, Zaharie Oprean, coautori: V. Vulpe, M. Carp, V. Năstasă, L. Miron, L. Hrițcu, I. Bondoc. Ghid de Practică, Ed. Performantica, 2010, ISBN 978-973-730-723-1
- Valentin Năstasă, 2006. Farmacologie, Manual practic - colecția Stef Academic, Ed. Institutul European (coeditare), ISBN: 978-973-8961-00-5,
- Mariana Grecu, Năstasă V., 2017. Farmacie. Lucrări practice. Ed. "Ion Ionescu de la Brad" Iași. ISBN>978-973-147-259-1.
- Cura Paul, Valentin Năstasă, 1997. Farmacologie, Lucrări Practice - Centrul de multiplicare al UAMV, Iași.
- Cura Paul, Valentin Năstasă, 1997. Farmacologie, LP. (Colegiu Universitar Agricol, Specializarea: Igienă și laborator) - Centrul de multiplicare al UAMV, Iași,
- Cura Paul, Valentin Năstasă, Prisecaru Cornelia, 1994. Farmacologie și Receptură Veterinară, LP. Centrul de multiplicare al UAMV, Iași,

## Grants/projects

- Contract no. 27671; Theme: no. 9, CNCIS Code 689, 2004 – 2007. The influence of injectable general anesthesia on hemodynamic function and acid-base balance variables in dogs. Project director: Năstasă Valentin; members: 11; funded value – 34 050.00 lei (9397.25 Eur).
- Project code: PN-III-P2-2.1-PED-2021-3003/2022-2024. Bio-inspired 3D hybrid architectures for deep skin repair and regeneration. Responsible partner Năstasă Valentin. Members: 3; financed value: 150,000 LEI (20328.32 Eur).

- Contract no. 6447/25.04.2019. Characterization of some molecular mechanisms of action of the hyperimmune egg and immunoglobulins Y, beneficiary Romvac SA; Project director: Năstasă Valentin; team members: 4; financed value – 64 943.00 lei (13500.07 Eur).
- Contract no. 17579/16.09.2019. Testing the toxicity and tumor effect in vivo of the LS-80 compound, beneficiary P. Poni Institute. Project director: Năstasă Valentin; team members: Mihai Mareş, Davidescu Maria, Bostănaru Andra, - financed value P2 –15 000.00 lei (3168.57 Eur).
- Contract no. 4735/11.04.2023, entitled Testing the toxicity and antitumor effect in vivo of synthesized nonviral vectors. Beneficiary P. Poni Institute, Iasi. Director Năstasă Valentin, financed value 14500 lei (2936.35 Eur).
- Contract 362/13.01.2023 with the title "Restore HER2 dependent sensitivity using AXL inhibitors packed in pH dependent nanostructures", beneficiary IRO Iasi, Director Valentin Năstasă, financed value - 7170.00 lei (1451.04 Eur).
- Contract 15766/04.10.2023 with the title "Restore HER2 dependent sensitivity using AXL inhibitors packed in pH dependent nanostructures", beneficiary IRO Iasi. Director Valentin Năstasă, financed value -57410 lei (11539.23 Eur).
- Contract no. 15767/04.10.2023 with the title "Xenograft study of anticancer activity of two cooper (II) complexes in athymic mice model with human breast cancer cells MDA-MB-231-Luc", beneficiary ChemConsult GMH. Director Năstasă Valentin, financed value 10,000 euros.
- CEEEX, D11-106/2006-2008. Nanoconjugates of cyclodextrins with controlled release of anti\_HIV and antimycotic active principles (CICLOMED); project manager: Mariana Pinteală; Liviu Miron – responsible for project P, team members: Narcisa Marangoci, Adrian Fifere, Mariana Spulber, Mihai Mareş, Valentin Năstasă; financed value - 210,000.00 lei (59582.92 Eur).
- PN-III-P2-2.1-PED-2019-4524 562/PED/2020. Advanced 3D intelligent magnetic supports for bone tissue engineering and regeneration (3D SMARTMAGTIS). Mihai Mareş – responsible partner 2. Members: Năstasă Valentin, Paşca Sorin, Davidescu Maria; financing value – 200,000.00 lei (41,030.69 EUR).
- Contract 2 SOFT/1.2./47 of 19.11.2020. Team up for healthy fish in aquaculture systems of the Prut river basin. Dir. Miron Liviu. Members: Jităreanu Gerard, Vântu Vasile, Vulpe Vasile, Baisan Andrei, Năstasă Valentin, Mihai Mareş, Acatrinei Dumitru, Bostănaru Andra; financing value – 367,656.59 lei (75449.24 Eur).
- POCU/320/6/21/121103 - EPA- Education, Performance, Employability. Predoi Gabriel - Project Manager; Spataru Constantin-responsible P2, members: Drugociu Dan, Liviu Miron, Solcan Gheorghe, Năstasă Valentin, Anita Dragoş, Roşca Petru, Pășărin Benone, Stanciu Mihai, Boişteanu Paul, Savuța Gheorghe, Chiruță Ciprian, Floriștean Viorel, Vulpe Vasile; period 2018-2019; financed value P2: – 546,251.00 lei (117050.44 Eur).
- PN-II-PT-PCCA-2013-4-2287. Biomimetic Magnetic Supports as an Alternative Strategy for Bone Tissue Engineering and Repair (MAGBIOTISS); project manager: Liliana Vereştiuc (UMF "Gr. T. Popa"), responsible partner: Mihai Mareş; members: Năstasă Valentin, Paşca Aurelian-Sorin; period 2018-2019; financing value - 150,000.00 lei (34,211.43 Eur).
- Grant PN II, PARTNERSHIPS Code 62-065/ 2008-2011. Complex characterization of some cytostatically active extracts from *Claviceps purpurea* strains obtained by parasexual hybridization biotechnologies with a view to valorization in veterinary therapeutics. Hrițcu Luminița-Diana - responsible partner USAMV Iași, members: Solcan Gheorghe, Beşchea-Chiriac Sorin, Năstasă Valentin; financed value – 69,406.00 lei (18,583.59 Eur).
- CEEEX 49/2006. Early diagnosis and preventive therapy of pathological conditions in cultured fish in direct relation with production indicators. Period 2006-2008. Dir. Project: Vasile Vulpe. Members: 19. financed value – 400,000.00 lei (11417.51 Eur).
- PN II, Code 52-111/2008-2011, Project title: Inter-institutional cooperation program

- for the diagnosis, prophylaxis and combating of pathological conditions of major epidemiological importance in wild animals. Period 2008-2011. Dir. project: Oprean Octavian. Members: 18, financed value – 691 091.00 lei (187658.78 Eur).
- PN II Partnerships 51-111/2008. Integrated health surveillance program and production quality improvement in dairy farms. Period 2007-2010. dir. Project: Solcan Gheorghe. Members 30, financed value: 1 040 000.00 lei (307847.14 Eur).
- POSDRU/90/2.1/63915. Integration on the labor market of students from veterinary medical higher education - practical training internships. Period 2010-2013. Project manager: Liviu Miron, members: 37, financed value – 464,485.00 lei (107,387.00).
- CEEEX Agral 15/2005-2008 (BIOPRACT). "Characterization of some bioactive principles of vegetable and fungal origin, with cytostatic, immunomodulatory, metabolic, and neurotropic action and their utilization in functional nutrition. Responsible: Solcan GH.-responsible partner from USAMV. Năstasă Valentin - member, funded value: 50,000 lei (14076.18 Eur).
- Trader. 2006: Protocol for the clinical testing of the Oxilact product - powder manufactured by antibiotics SA, Iasi.; Beneficiary: Antibiotice SA. Liviu Miron - Project Director, funded value: 5000 lei (1426.21 Eur).
- Grant PN-II-ID-PCE2011-3-0906. Innovative burn wound therapies: preclinical evaluation; project director Dragoș Pieptu; team members: Lenuța Profire, Valentin Năstasă, Claudiu Ghețu, Mihai Mareș, duration: 3 years.

### ISI-Indexed Articles

- Zără-Dănceanu, Camelia Mihaela, Cristina Stăvilă, Anca Emanuela Minuti, Luminița Lăbușcă, **Valentin Năstasă\***, Dumitru-Daniel Herea, Răzvan-Nicolae Malancus, Daniel Ghercă, Sorin-Aurelian Pasca, Horia Chiriac, and et al. 2023. "Magnetic Nanoemulsions for the Intra-Articular Delivery of Ascorbic Acid and Dexamethasone" *International Journal of Molecular Sciences* 24, no. 15: 11916. <https://doi.org/10.3390/ijms241511916> WOS:001046268600001 [IJMS | Free Full-Text | Magnetic Nanoemulsions for the Intra-Articular Delivery of Ascorbic Acid and Dexamethasone \(mdpi.com\)](#) IF: 5.600.

- Grecu, Mariana, Bogdan Minea, Liliana-Georgeta Foia, Andra-Cristina Bostanaru-Iliescu, Liviu Miron, **Valentin Năstasă\***, and Mihai Mares. 2023. "Short Review on the Biological Activity of Cyclodextrin-Drug Inclusion Complexes Applicable in Veterinary Therapy" *Molecules* 28, no. 14: 5565. <https://doi.org/10.3390/molecules28145565> WOS:001036379200001 [Molecules | Free Full-Text | Short Review on the Biological Activity of Cyclodextrin-Drug Inclusion Complexes Applicable in Veterinary Therapy \(mdpi.com\)](#) IF: 4.600.

- **Năstasă, V.**; Pasca, A.-S.; Malancus, R.-N.; Bostanaru, A.-C.; Ailincăi, L.-I.; Ursu, E.-L.; Vasiliu, A.-L.; Minea, B.; Hnatiuc, E.; Mares, M. Toxicity Assessment of Long-Term Exposure to Non-Thermal Plasma Activated Water in Mice. *Int. J. Mol. Sci.* 2021, 22, 11534. ISSN: 1422-0067. <https://doi.org/10.3390/ijms222111534> WOS:000719429700001. <https://www.webofscience.com/wos/woscc/full-record/WOS:000719429700001> IF: 6.208.

- Gheorghe Roman, Mihai Mareș, **Valentin Năstasă**. A Novel Antifungal Agent with Broad Spectrum: 1-(4-Biphenyl)-3-(1H-imidazol-1-yl)-1-propanone. *Archiv der Pharmazie*, 201, 346 (2):110-8, ISSN 0365-6233. <https://onlinelibrary.wiley.com/doi/10.1002/ardp.201200287>. WOS:000314930400004. <https://www.webofscience.com/wos/woscc/full-record/WOS:000314930400004> IF-2.012.

- M. Cogliati, S. Arıkan-Akdagli, A. Barac, A.C. Bostanaru, S. Brito, N. Çerikçioğlu, M.A. Efstratiou, Ç. Ergin, M.C. Esposto, M. Frenkel, J.P. Gangneux, A. Gitto, C.I. Gonçalves, H. Guegan, N. Gunde-Cimerman, M. Güran, E. Jonikaitė, M. Katarzytė, L. Klingspor, M. Mares, W.G. Meijer, W.J.G. Melchers, J. Meletiadis, **V. Năstasă**, M. Novak Babič, D. Ogunc, B. Ozhak, A. Prigitano, S. Ranque, L. Romanò, R.O. Rusu, R. Sabino, A. Sampaio, S. Silva, J.H. Stephens, M. Tehupeiory-





Kooreman, A. Velegraki, C. Verissimo, E. Segal, J. Brandão, Environmental and bioclimatic factors influencing yeasts and molds distribution along European shores, Science of The Total Environment, Volume 859, Part 1, 2023, 160132, ISSN 0048-9697, <https://doi.org/10.1016/j.scitotenv.2022.160132>. (<https://www.sciencedirect.com/science/article/pii/S0048969722072321>) IF: 10.754.

- Biliuta, Gabriela, Andra-Cristina Bostănaru-Iliescu, Mihai Mares, Carla Pavlovescu, **Valentin Năstasă**, Olga Burduniuc, and Sergiu Coseri. 2022. "Antibacterial and Antifungal Silver Nanoparticles with Tunable Size Embedded in Various Cellulose-Based Matrices" *Molecules* 27, no. 19: 6680. <https://doi.org/10.3390/molecules27196680> WOS:000867097300001 IF: 4.600.

- Cozma, V.; Rosca, I.; Radulescu, L.; Martu, C.; **Năstasă, V.**; Varganici, C.-D.; Ursu, E.-L.; Doroftei, F.; Pinteala, M.; Racles, C. Antibacterial Polysiloxane Polymers and Coatings for Cochlear Implants. *Molecules* 2021, 26, 4892. <https://doi.org/10.3390/molecules26164892>. <https://www.mdpi.com/1420-3049/26/16/4892> WOS:000689841700001 <https://www.webofscience.com/wos/woscc/full-record/WOS:000689841700001> IF - 4.927.

- Bălan GG, Roșca I, Ursu EL, Doroftei F, Bostănaru AC, Hnatiuc E, **Năstasă V**, Șandru V, Ștefănescu G, Trifan A, Mares M. Plasma-activated water: a new and effective alternative for duodenoscope reprocessing. Published 17 May 2018 Volume 2018:11 Pages 727—733. DOI <https://doi.org/10.2147/IDR.S159243>. <https://www.dovepress.com/plasma-activated-water-a-new-and-effective-alternative-for-duodenoscop-peer-reviewed-fulltext-article-IDR>. WOS:000432383600001. <https://www.webofscience.com/wos/woscc/full-record/WOS:000432383600001> IF - 3.443.

- Roman G, **Năstasă V**, Bostănaru AC, Mares M. Antibacterial activity of Mannich bases derived from 2-naphthols, aromatic aldehydes and secondary aliphatic amines. *Bioorg Med Chem Lett*. 2016 May 15;26(10):2498-2502. doi: 10.1016/j.bmcl.2016.03.098. Epub 2016 Mar 28. PMID: 27040660. <https://www.sciencedirect.com/science/article/abs/pii/S0960894X16303328?via%3DIihub>. WOS:000374217100021. <https://www.webofscience.com/wos/woscc/full-record/WOS:000374217100021> IF - 2.675 (Q2).

- Biocompatibility Study of CoCrMoSik Original Alloy Variants: Minciuna, Mirabela Georgiana; Vizureanu, Petrica; Mares, Mihai; **Năstasă, Valentin**; Achitei, Dragos Cristian; Sandu, Andrei Victor. *REVISTA DE CHIMIE*. Volume: 67. Issue: 2. Pages: 362-365 Published: FEB 2016. ISSN 0034-7752. <https://revistadechimie.ro/Articles.asp?ID=4876> WOS:000372170700034. <https://www.webofscience.com/wos/woscc/full-record/WOS:000372170700034> IF - 1.232.

- B. Minea, N. Marangoci, D. Peptanariu, I. Rosca, **V. Năstasă**, A. Corciova, C. Varganici, A. Nicolescu, A. Fifere, A. Neamtu, M. Mares, M. Barboiu and M. Pinteala - Inclusion complexes of propiconazole nitrate with substituted  $\beta$ -cyclodextrins. Synthesis, in silico and in vitro assessment of antifungal properties. *New Journal of Chemistry* 2016, DOI: 10.1039/C5NJ01811K. <https://pubs.rsc.org/en/content/articlelanding/2016/nj/c5nj01811k> WOS:000371559000109. <https://www.webofscience.com/wos/woscc/full-record/WOS:000371559000109> IF - 3.269.

- Minea, B., **Năstasă, V.**, Moraru, R.F. et al. Species distribution and susceptibility profile to fluconazole, voriconazole and MXP-4509 of 551 clinical yeast isolates from a Romanian multi-centre study. *Eur J Clin Microbiol Infect Dis* 34, 367–383 (2015). <https://doi.org/10.1007/s10096-014-2240-6> WOS:000348382400020. <https://www.webofscience.com/wos/woscc/full-record/WOS:000348382400020> IF- 3.164.

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### **Awards/Patents, Award winning articles**

- PN-III-P1-1.1-PRECISI-2021-58112 (Mycosands: Fungal diversity and abundance in beach sand and recreational waters - Relevance to human health WOS:000655620000014)
- PN-III-P1-1.1-PRECISI-2021-61893 (Antibacterial Polysiloxane Polymers and Coatings for Cochlear Implants WOS:000689841700001)
- PN-III-P1-1.1-PRECISI-2021-60532 (Development and characterisation of microporous biomimetic scaffolds loaded with magnetic nanoparticles as bone repairing material WOS:000629208200001)
- PN-III-P1-1.1-PRECISI-2020-42629 (In Vitro and In Vivo Antioxidant Activity of the New Magnetic-Cerium Oxide Nanoconjugates/ Nanomaterials WOS:000502271700060)
- PN-III-P1-1.1- PRECISI-2016- 11005 (Inclusion complexes of propiconazole nitrate with substituted betacyclodextrins: the synthesis and in silico and in vitro assessment of their antifungal properties WOS:000371559000109)
- PN-III-P1-1.1- PRECISI-2016- 12008 (Antibacterial activity of Mannich bases derived from 2-naphthols, aromatic aldehydes and secondary aliphatic amines WOS:000374217100021)
- PN-II-RU-PRECISI-2015-9-10235 (Species distribution and susceptibility profile to fluconazole, voriconazole and MXP4509 of 551 clinical yeast isolates from a Romanian multi-centre study WOS:000348382400020)
- PN-II-RU-PRECISI-2014-8-5081 (Comparative assessment of effectiveness of ketoprofen and ketoprofen/beta-cyclodextrin complex in two experimental models of inflammation in rats. WOS: 000328828100004)
- PN-II-RU-PRECISI-2014-8-5720 (Low Toxicity  $\beta$ -Cyclodextrin-Caged 4,4'-Bipyridinium-bis(siloxane): Synthesis and Evaluation WOS:000334902100012)
- PN-II-RU-PRECISI-2013-7-3058 (A Novel Antifungal Agent with Broad Spectrum:1-(4-Biphenyl)-3-(1H-imidazol-1-yl)-1-propanone WOS:000314930400004)
- PN-II-RU-PRECISI-2013-7-3335 (Synthesis and Biological Evaluation of New 2-Azetidinones with Sulfonamide Structures. DOI: 10.3390/molecules18044140 WOS:000318020100032)



- PN-IV-P2-2.3-PRECISI-2023-77658 (Pegylation of phenothiazine – A synthetic route towards potent anticancer drugs)
- PN-IV-P2-2.3-PRECISI2023-81399 (Antibacterial and Antifungal Silver Nanoparticles with Tunable Size Embedded in Various Cellulose-Based Matrice)
- PN-IV-P2-2.3-PRECISI-2023-81390 (Toxicity Assessment of Long-Term Exposure to Non-Thermal Plasma Activated Water in Mice)
- Diploma of Excellence and silver medal, obtained at the Jubilee International Salon of Research Inventions and Technological Transfer 14-24 May 2008; Cyclodextrins nano-conjugates with anti-HIV and antimycotic principles controled released.
- Diploma Medicine-Award- Euroinvent Iasi 2023. Procedure for obtaining materials based on silver nanoparticles with antifungal activity. Olga Burduniuc, Sergiu Coşeri, Mihai Mareş, Gabriela Biliuţă, Valentin Năstasă, Andra-Cristina Bostănaru-Iliescu.
- Gold medal- Euroinvent Iasi 2023. Procedure for obtaining materials based on silver nanoparticles with antifungal activity. Olga Burduniuc, Sergiu Coşeri, Mihai Mareş, Gabriela Biliuţă, Valentin Năstasă, Andra-Cristina, Bostănaru-Iliescu.
- Silver medal- Euroinvent Iasi 2023. Procedure for obtaining materials based on silver nanoparticles with antibacterial activity. Olga Burduniuc, Sergiu Coşeri, Mihai Mareş, Gabriela Biliuţă, Valentin Năstasă, Bogdan-Ştefan Iliescu, Andra-Cristina Bostănaru-Iliescu.
- Silver medal- Salon of Inventions/Innovations “Traian Vuia” Timişoara 2023. Ecological Broad-Spectrum Disinfectant Based On Silver-Cellulose Nanoparticles Andra-Cristina Bostănaru-Iliescu, Olga Burduniuc, Gabriela Biliuţa, Valentin Nastasa, Sergiu Coşeri, Mihai Mares.
- Diploma of Excellence and gold medal – Pro Invent – edition 21, 25-27 oct. Cluj Napoca, 2023. Procedure for obtaining materials based on silver nanoparticles with antifungal activity. Olga Burduniuc, Sergiu Coşeri, Mihai Mareş, Gabriela Biliuţă, Valentin Năstasă, Andra-Cristina Bostănaru-Iliescu.
- Diploma of Excellence and gold medal – Pro Invent – edition 21, 25-27 oct. Cluj Napoca, 2023. Procedure for obtaining materials based on silver nanoparticles with antibacterial activity. Olga Burduniuc, Sergiu Coşeri, Mihai Mareş, Gabriela Biliuţă, Valentin Năstasă, Bogdan-Ştefan Iliescu, Andra-Cristina Bostănaru-Iliescu.
- Diploma EXCELLENCE IN INNOVATION- Romanian Inventors Forum (FIR) 2023. Procedure for obtaining materials based on silver nanoparticles with antibacterial activity. Olga Burduniuc, Sergiu Coşeri, Mihai Mareş, Gabriela Biliuţă, Valentin Năstasă, Bogdan-Ştefan Iliescu, Andra-Cristina Bostănaru-Iliescu.
- Diploma of Excellence - ASSOCIATION JUSTIN CAPRĂ – International Pro Invent Salon – edition 21 25-27 oct. Cluj Napoca, 2023. Procedure for obtaining materials based on silver nanoparticles with antifungal activity. Olga Burduniuc, Sergiu Coşeri, Mihai Mareş, Gabriela Biliuţă, Valentin Năstasă, Andra-Cristina Bostănaru-Iliescu.

#### **Member of professional associations**

- European Society of Clinical Microbiology and Infectious Diseases (ESCMID)
- International Society for Human and Animal Mycology (ISHAM)
- General Association of Veterinarians from Romania (AGMVR)
- Romanian Society for the History of Veterinary Medicine (SRIMV)
- Romanian Association for the Pathology of Wild Animals (ARPAS)
- Association for the Protection of the Environment and the Promotion of the Quality of Life (ProMedVita)
- Romanian Society of Medical Mycology and Mycotoxicology (SRMMM)
- Romanian Society of Experimental Medicine (SRME)

#### **Doctoral thesis**

Anesthesia of the abdomen and limbs in the dog. May, 2004. USAMV, Iaşi

## Habilitation thesis

Evaluation of new therapeutic means through experimental pharmacology studies.  
December 2022, USV Iasi

## Patents

Title: Process for obtaining materials based on silver nanoparticles with antibacterial activity. Decision no. 10212 of 2023.02.09. authors: BURDUNIUC Olga, MD: COȘERI Sergiu. RO: MAREȘ Mihai. RO: BILIUTĂ Gabriela. RO: **NĂSTASĂ Valentin** RO: BOSTANARU-ILIESCU Andra-Cristina, RO

Title: Method for obtaining materials based on silver nanoparticles with antifungal activity. Decision no. 10222 of 2023.02.22. authors: BURDUNIUC Olga, MD: COȘERI Sergiu. RO: MAREȘ Mihai. RO: BILIUTĂ Gabriela. RO: **NĂSTASĂ Valentin** RO: BOSTANARU-ILIESCU Andra-Cristina, RO

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