

NASTACA - ALINA PALADE

Q | ✉ | 📍 Sibiu, România

Google Scholar: <https://scholar.google.com/citations?user=Gt7ynB0AAAAJ>



PROFESSIONAL PROFILE:

Specialist Pharmacist and University Lecturer with expertise in Pharmaceutical Sciences, Medical Informatics, Biostatistics, and Pharmacovigilance, actively engaged in EU-funded research and innovation projects.

PROFESSIONAL EXPERIENCE:

Pharmacovigilance Specialist

Evigrow by Sveikuva | Remote (Romania) |

March 2025 - Present

- Processed ICSR cases in compliance with GVP and CIOMS standards
- Coded adverse events (AE/SAE) using MedDRA terminology
- Prepared and reviewed aggregate safety reports (PSUR, DSUR)
- Supported signal detection and benefit-risk analysis
- Collaborated with international teams to ensure EMA/FDA compliance

Associate Professor - Biostatistics & Medical Informatics

Lucian Blaga University of Sibiu | Sibiu, Romania |

February 2022 - Present

- Delivered courses in applied biostatistics for clinical and epidemiological research
- Used SPSS, R, JAMOVI, and GraphPad for medical data analysis and interpretation
- Supervised undergraduate thesis projects focusing on statistical validation
- Organized seminars on statistical methods and scientific reporting for medical students

Associate Professor - Pharmaceutical Botany

University of Medicine and Pharmacy, Târgu-Mureș |

January 2022 - July 2022

- Taught Pharmaceutical Botany to undergraduate pharmacy students
- Guided practical lab sessions focusing on the anatomy and morphology of medicinal plants
- Instructed students in identification of active compounds (alkaloids, flavonoids, saponins)
- Supervised hands-on training in the extraction of active substances and natural medicine preparation

Specialist Pharmacist

Eveniment Pharma SRL | Sibiu, Romania |

October 2023 - August 2025

- Provided expert pharmaceutical consultation on drug therapy and safety
 - Monitored and reported adverse drug reactions (ADR) in line with PV procedures
 - Used pharmaceutical software to manage prescriptions and ensure traceability
 - Trained pharmacy residents and students in GPP-compliant pharmaceutical practices
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EDUCATION:

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|---|-----------------------|
| • PhD - Computers and Information Technology ULBS Sibiu | 2025 - <i>Present</i> |
| • PhD - Pharmaceutical Sciences University of Medicine, Târgu-Mureș | 2020 - <i>Present</i> |
| • Master - Biostatistics & Bioinformatics UMF Cluj-Napoca 2022 - | 2024 |
| • Master - Health Management ULBS Sibiu 2021 - | 2022 |
| • Pharmacy Residency ULBS Sibiu 2020 - | 2023 |
| • Bachelor's Degree in Pharmacy UMF Târgu-Mureș 2013 - | 2019 |

LANGUAGES:

- Romanian - Native
- English - B1- B2 (reading, writing, listening, speaking)

PUBLISHING SCIENTIFIC ARTICLES:

1. **Nastaca-Alina Coman**, Mihai Babotă, Alexandru Nicolescu, Alexandra Nicolae-Maranciuc, Lavinia Berta, Adrian Man, Dan Chicea, Lenard Farczadi, Corneliu Tanase; Biosynthesis of Palladium Nanoparticles by Using Aqueous Bark Extract of *Quercus dalechampii*, *Q. frainetto*, and *Q. petraea* for Potential Antioxidant and Antimicrobial Applications; *Plants*; 2024, 13(23), 3390; [Impact factor 4.1; Indexed in PubMed; Citescore 7.6; Q1] <https://doi.org/10.3390/plants13233390>
2. **Năstaca-Alina Coman**, Lavinia Berta, Alexandra Nicolae-Maranciuc, Alexandru Nicolescu, Mihai Babotă, Adrian Man, Dan Chicea, Lenard Farczadi, László Jakab-Farkas, Corneliu Tanase; Green Synthesis of Platinum Nanoparticles Using Aqueous Bark Extract of *Quercus* sp. for Potential Antioxidant and Antimicrobial Applications; *Bioresources*; 2024, 19(4), 8621-8641; [Impact factor 1,747; Q2]
3. **Năstaca-Alina Coman**, Alexandra Nicolae-Maranciuc, Lavinia Berta, Alexandru Nicolescu, Mihai Babotă, Adrian Man, Dan Chicea, Lenard Farczadi, László Jakab-Farkas, Barbara Silva, Jéssica Veiga-Matos, Corneliu Tanase; Green Synthesis of Metallic Nanoparticles from *Quercus* Bark Extracts: Characterization and Functional Properties; *Antioxidants*; 2024, 13(7), 822; [Impact factor 6.6; Indexed in PubMed; Citescore 12.4; Q1] <https://doi.org/10.3390/antiox13070822>
4. Adrian Nisca, Sanziana Sisea, **Nastaca Alina Coman**, Mihai Babota, Oleg Frumuzachi, Corneliu Tanase; Biological Profiles of *Quercus cerris*, *Quercus dalechampii*, and *Quercus robur* Bark Extracts: A Characterization Study; *Acta Marisiensis-Seria Medica*; 2024;70(1):16-20; [Citescore 0.4] <https://doi.org/10.2478/amma-2024-0003>
5. **Năstaca-Alina Coman**, Mihai Babotă, Ingrid Nădășan, Rideg Lucian, Ruxandra Ștefănescu, Oleg Frumuzachi, Andrei Mocan, Alexandru Nicolescu, Corneliu Tanase; Exploring Polyphenols Extraction from *Thuja occidentalis* L. Bark: Optimization, Phytochemical Profiling, and Biological Evaluation; *Bioresources*; 2024, 19(1), 842-857; [Impact factor 1,747; Q2]; <https://doi.org/10.15376/biores.19.1.842-857>
6. **Năstaca-Alina Coman**, Mihai Babotă, Ingrid Nădășan, Stefania Dinică, Ruxandra Ștefănescu, Oleg Frumuzachi, Adrian Man, Andrei Mocan, Corneliu Tanase; Comparative study on the chemical composition and biological activity of polyphenolic extracts obtained from *Maclura pomifera* (Raf.) CK Schneid bark and periderm; *BioResources*; 2023, 18(4), 8104-8119; [Impact factor 1,747; Q2] <https://doi.org/10.15376/biores.18.4.8104-8119>
7. **Năstaca-Alina Coman**, Mihai Babotă, Ingrid Nădășan, Alexandru Nicolescu, Alexandru Robert Pitaru, Ruxandra Ștefănescu, Andrei Mocan, Oleg Frumuzachi, Corneliu Tanase; The Influence of Ecological Factors on the Phytochemical Characteristics of *Pinus cembra* L.; *Applied Sciences*; 2023, 13(18), 10184; [Impact factor 2.5; Citescore 5.5; Q1]; <https://doi.org/10.3390/app131810184>
8. Adina Simona Coșarcă, Vlad Golu, Despina Luciana Bereczki Temistocle, Anca Frățilă, Cecilia Petrovan, Sanda Cosarca, **Năstaca-Alina Coman**, Corneliu Tanase, Alina Ormenișan; The Effect of Beech Bark Extract in the Reduction of Discomfort from Acute Pericoronitis; *Applied Sciences*; 2022, 12(23), 12351; [Impact factor 2.5; Citescore 5.5; Q1] <https://doi.org/10.3390/app122312351>

9. Ruxandra Ștefănescu, Cristina Nicoleta Ciurea, Anca Delia Mare, Adrian Man, Adrian Nisca, Alexandru Nicolescu, Andrei Mocan, Mihai Babotă, **Năstaca-Alina Coman**, Corneliu Tanase; Quercus robur Older Bark—A Source of Polyphenolic Extracts with Biological Activities; Applied Sciences; 2022, 12(22), 11738; [Impact factor 2.5; Citescore 5.5; Q1]; <https://doi.org/10.3390/app122211738>
10. Lavinia Berta, **Năstaca-Alina Coman**, Aura Rusu, Corneliu Tanase; A review on plant-mediated synthesis of bimetallic nanoparticles, characterisation and their biological applications; Materials; 2021, 14(24), 7677; [Impact factor 3.2; Indexed in PubMed; Citescore 6.4; Q1]; <https://doi.org/10.3390/ma14247677>
11. **Năstaca Alina Coman**, Anca Mare, Corneliu Tanase, Eugen Bud, Aura Rusu; Silver-deposited nanoparticles on the titanium nanotubes surface as a promising antibacterial material into implants; Metals; 2021, 11(1), 92; [Impact factor 2.5; Citescore 5.3; Q1]; <https://doi.org/10.3390/met11010092>
12. Ema Burlacu, Corneliu Tanase, **Năstaca-Alina Coman**, Lavinia Berta; A review of bark-extract-mediated green synthesis of metallic nanoparticles and their applications; Molecules 2019, 24(23), 4354; [Impact factor 4.6; Indexed in PubMed; Citescore 8.6; Q1] <https://doi.org/10.3390/molecules24234354>
13. Corneliu Tanase, Lavinia Berta, **Năstaca Alina Coman**, Ioana Rosca, Adrian Man, Felicia Toma, Andrei Mocan, Alexandru Nicolescu, László Jakab-Farkas, Domokos Biró, Anca Mare; Antibacterial and Antioxidant Potential of Silver Nanoparticles Biosynthesized Using the Spruce Bark Extract; Nanomaterials; 2019, 9, 1541; [Impact factor 4.3; Indexed in PubMed; Citescore 9.2; Q1]; <https://doi.org/10.3390/nano9111541>
14. Corneliu Tanase, Lavinia Berta, **Năstaca Alina Coman**, Ioana Roșca, Adrian Man, Felicia Toma, Andrei Mocan, László Jakab-Farkas, Domokos Biró, Anca Mare; Investigation of in vitro antioxidant and antibacterial potential of silver nanoparticles obtained by biosynthesis using beech bark extract; Antioxidants; 2019, 8(10), 459; [Impact factor 6.6; Indexed in PubMed; Citescore 12.4; Q1]; <https://doi.org/10.3390/antiox8100459>
15. Sanda Cosarca, Ioana Rosca, **Alina Coman**, Monica Cristina Nagy Bota, Corneliu Tanase; Effect of treatment with saline solution (NaCl) on rape plants in presence of the hemp shives; REV.CHIM.(Bucharest); 2017, 68(2); <http://bch.ro/pdfRC/35%20COSARCA%20S%208%2017.pdf>