

Universitatea Națională de Știință și Tehnologie POLITEHNICA București

Facultatea: Științe Aplicate

Departamentul: Fizică

Nume Prenume: TANASĂ (Vasile) Eugenia

Gradul didactic: Ș.I.dr.ing.

## L I S T A

### lucrărilor științifice în domeniul disciplinelor din postul didactic

#### A. Teza de doctorat

*Biomateriale cu nanoparticule magnetice* – autor **Eugenia Tanasă**, coordonator științific Ecaterina Andronescu, noiembrie 2019

#### B. Cărți și capitole în cărți publicate în ultimii 10 ani

1. B. Galateanu, A. Hudita, C. Zaharia, M.C. Bunea, **E. Vasile**, M.R. Buga, M. Costache, Silk-based Hydrogels for Biomedical Applications, în Cellulose-Based Superabsorbent Hydrogels, Springer 2019, DOI: 10.1007/978-3-319-77830-3\_59

#### C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

1. Radu, I.C., **Tanasă, E.**, Dinescu, S., Vlasceanu, G., Zaharia, C., *Advanced Nanobiocomposite Hydrogels Incorporating Organofunctionalized LDH for Soft Tissue Engineering Applications* (2025) Polymers, Volume 17, Issue 4, Article number 536, ISSN: 2073-4360, DOI: 10.3390/polym17040536, WOS: 001431896500001, **Impact factor (2023): 4.7**

2. Călin, B.S., Popescu, R.C., **Tanasa, E.**, Paun, I.A., *Laser-based 3D printing and optical characterization of optical micro-nanostructures inspired by nocturnal insects compound eyes* (2025) Scientific Report, Volume 15, Issue 1, Article number 3369, ISSN: 2045-2322, DOI: 10.1038/s41598-025-85829-y, WOS:001408607300040, **Impact factor (2023): 3.8**

3. Radu, I.C., Cozorici, D.E., Blanzeanu, E., Vadureanu, A., Stavarache, C., **Tanasa, E.**, Iovu, H., Zaharia, C., *Tailoring Silk Sericin Grafting: Comparing One-Step and Two-Step Approaches for PNIPAM/PAMPS Block Nanoparticles* (2024) Macromolecular Materials and Engineering, Volume 309, Issue 12, ISSN: 1438-7492, DOI: 10.1002/mame.202400158, WOS: 001263881500001, **Impact factor (2023): 4.2**

4. Radu, I.C., Cozorici, D., Necolau, M.I., Popescu, R.C., **Tanasa, E.**, Alexandrescu, L., Zaharia, C., Luque, R., *Engineered 3D-printed poly(vinyl alcohol) vascular grafts: Impact of thermal treatment and functionalization* (2024) International Journal of Bioprinting, Volume 10, Issue 3, Pages 532-556, ISSN: 2424-7723, DOI: 10.36922/ijb.2193, WOS: 001257555300022, **Impact factor (2023): 6.8**

5. Popescu, R.C., Calin, B.S., **Tanasa, E.**, Vasile, E., Mihailescu, M., Paun, I.A., *Magnetically-actuated microcages for cells entrapment, fabricated by laser direct writing via two photon polymerization* (2023) Frontiers in Bioengineering and Biotechnology, Volume 11, Article number: 1273277, ISSN: 2296-4185, DOI: 10.3389/fbioe.2023.1273277, WOS: 001134687000001, **Impact factor (2023): 4.3**

6. Paparaskeva, G., Ioannides, M.L., Lambride, C., **Tanasa, E.**, Krasia-Christoforou, T., *P3HT-Based Semi-Conductive Electrospun Nanocomposite Fibrous Emitters Doped with CsPbBr<sub>3</sub> Perovskite Quantum Dots* (2023) *Journal of Electronic Materials*, Volume 52, Issue 9, Pages 5822-5833, DOI: 10.1007/s11664-023-10527-2, ISSN: 0361-5235, WOS:001015536900001, **Impact factor (2023): 2.2**
7. Radu, I.C., Mirica, A.C.I., Hudita, A., **Tanasa, E.**, Iovu, H., Zaharia, C., Galateanu, B., *Thermosensitive Behavior Defines the Features of Poly(N-isopropylacrylamide)/Magnetite Nanoparticles for Cancer Management* (2023) *Applied Sciences – Basel*, Volume 13, Issue 8, Article number: 4870, ISSN: 2076-3417, DOI:10.3390/app13084870, WOS: 000979388000001, **Impact factor (2023): 2.5**
8. Maxim, F.I., **Tanasa, E.**, Mitrea, B., Diac, C., Skala, T., Tanase, L.C., Ianasi, C., Ciocanea, A., Antohe, S., Vasile, E., Fagadar-Cosma, E., Stamatina, S.N., *Polymeric Carbon Nitrides for Photoelectrochemical Applications: Ring Opening-Induced Degradation* (2023) *Nanomaterials*, Volume 13, Issue 7, Article number: 1248, ISSN: 2079-4991, DOI: 10.3390/nano13071248, WOS: 000970062600001, **Impact factor: 4.4**
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10. Mihai, E.M., Mihalache, I., Istrate, A.I. Banciu, C.A., Romanitan, C., Brincoveanu, O., **Tanasa, E.**, Banu, A., Veca, L.M., *Self-Sustained Three-Dimensional Macroporous TiO<sub>2</sub>-Graphene Photocatalyst for Sunlight Decolorization of Methyl Orange* (2022) *Nanomaterials*, Volume 12, Issue 24, Article number: 4393, ISSN: 2079-4991, DOI: 10.3390/nano12244393, WOS:000904573200001, **Impact factor (2023): 4.4**
11. Papaphilippou, P.C., Marinica, O.M., **Tanasa, E.**, Mpekris, F., Stylianopoulos, T., Socoliuc, V., Krasia-Christoforou, T., *Ofloxacin Removal from Aqueous Media by Means of Magnetoactive Electrospun Fibrous Adsorbents* (2022) *Nanomaterials*, Volume 12, Issue 20, Article number: 3648, ISSN: 2079-4991, DOI: 10.3390/nano12203648, WOS:000873840300001, **Impact factor (2023): 4.4**
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#### **D. Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți**

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#### **E. Brevete obținute în întreaga activitate**

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