VERA ALEXANDRA SPIRESCU - CURRICULUM VITAE

PROFESSIONAL EXPERINCE

Sep 2020-Present	**Medical Manager Rare Disease,** Novo Nordisk
Jan 2019-Sep 2020	**Global Medical Excellence Manager Hemophilia,** Pfizer
Jan 2018-Jan 2019	**Regional Scientific Operations Coordinator Hemophilia**, Pfizer
Jul 2016-Jan 2018	**Clinical Research Associate**, Clinical Trials Group
Jul 2014-Jul 2016	**Clinical Trial Coordinator & Equipment in charge**, CIDP Biotechnology

EDUCATION

2016 – 2023 **Doctor of Philosohy** (**PhD), Chemical Engineering**

University Politehnica of Bucharest

Study focus: Nanostructured coatings / nanoparticles with antimicrobial and antibiotic effects

2014 – 2016 **Master of Science (M.Sc), Micro and nanomaterials**

University Politehnica of Bucharest

Study emphases: Micro and nanomaterials with biomedical applications; Master's thesis: "In vitro clinical trial on ZnO based sunscreen"; Final grade: 10/10

2010 – 2014 **Bachelor of Science (B.Sc.), Medical engineering – Biomaterials and medical devices**

University Politehnica of Bucharest

Study emphases: Biomaterials, biocompatibility studies, equipment and devices used in medicine; Diploma thesis: Nanostructures based on ZnO and phytochemical substances for cosmetic applications; Final grade: 10/10

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PUBLICATIONS

- **Spirescu VA**, Niculescu AG, Slave Ș, Bîrcă AC, Dorcioman G, Grumezescu V, Holban AM, Oprea OC, Vasile BȘ, Grumezescu AM, Nica IC, Stan MS, Andronescu E. Anti-Biofilm Coatings Based on Chitosan and Lysozyme Functionalized Magnetite Nanoparticles. Antibiotics (Basel). 2021 Oct 19;10(10):1269.
- **Spirescu VA**, Șuhan R, Niculescu AG, Grumezescu V, Negut I, Holban AM, Oprea OC, Bîrcă AC, Vasile BȘ, Grumezescu AM, Bejenaru LE, Mogoşanu GD, Bejenaru C, Balaure PC, Andronescu E, Mogoantă L. Biofilm-Resistant Nanocoatings Based on ZnO Nanoparticles and Linalool. Nanomaterials (Basel). 2021 Sep 29;11(10):2564.
- **Spirescu VA**, Chircov C, Grumezescu AM, Vasile BȘ, Andronescu E. Inorganic Nanoparticles and Composite Films for Antimicrobial Therapies. International Journal of Molecular Sciences. 2021; 22(9):4595.
- **Spirescu VA**, Chircov C, Grumezescu AM, Andronescu E. Polymeric Nanoparticles for Antimicrobial Therapies: An up-to-date Overview. Polymers. 2021; 13(5):724.
- Bolocan A, Mihaiescu DE, Meşterca AR, **Spirescu VA**, Tote EM, Mogoantă L, Mogoşanu GD, Grumezescu AM. In vitro and in vivo applications of 3D dendritic gold nanostructures. Rom J Morphol Embryol. 2015;56(3):915-24. PMID: 26662123.
- Voicu G, Dogaru I, Meliţă D, Mesterca R, **Spirescu V**, Stan E, Tote E, Mogoantă L, Mogoşanu G, Grumezescu A, Trusca R, Vasile E, Iordache F, Chifiriuc M, Holban A. Nanostructured mesoporous silica: new perspectives for fighting antimicrobial resistance. J Nanopart Res 17, 201 (2015).