Name, academic position and degree
Valeri Stoyanov Serbesov, Assist.prof. PhD
Affiliation – research organization, department
Institut of Electronics – BAS, Biophotonics Lab
Education
MS physics PhD in physics
Academic positions in the last five years
Assistant professor
Main research area and subareas
Lasers, Material Science, Nanotechnology
Additional research areas and subareas
Optics, Sensors
Specializations abroad and international collaborations
Germany, France, USA, Finland, Russia, Pakistan
Scientific awards and membership in scientific societies

1981 - International Technical Fair Plovdiv- Diploma as young researcher for development of High power N_2 and Dye lasers for biomedical applications;

2004 – Prize I position for pre-proposal “Smart sensor for detection heavy metals”, ARC Found, Bulgaria, FP6;

2009 – Prize III position (Dr. Franz Herbst, Dr. Valery Serbezov und Prof. Dr. Nicolaus Reifart, Vascotec GmbH), Business plan as start-up company “ Technology for nanocoatings”, Thüringen, Gera, Germany.

2016 - Award and Grant from EU Japan Center for industrial cooperation- participation in EU companies team in Nano Tech 2016 International Nanotechnology Exhibition & Conference, Tokyo.

Name, used in publications in foreign language: Valery Serbezov / V. Serbezov
H index (according to Scopus or Web of Science)*:*
Internet address with list of scientific publications (ResearcherID, Research gate, etc.)*:* *https://www.researchgate.net/profile/**Valery_Serbezov2*** *https://bg.linkedin.com/in/**valeryserbezov***
Total number of scientific publications*: more than 100*
From them with impact factor or impact rang*: more than 70*
Number of citations of the scientific publications*: more than 70*
Number of scientific publications in the last five years: more than 15
From them with impact factor or impact rang*: more than 15*
Number of citations of the scientific publications in the last five years*: more than 20*

Selected scientific publications in the field of the research project
1.V. Serbezov, S. Sotirov ,K. Benkhouja, A. Zawadzka, B. Sahraoui, "Investigation of superfast deposition of metal oxide and Diamond-Like Carbon thin films by nanosecond Ytterbium (Yb^{+}) fiber laser", Optical Materials , 36, 53–59, (2014). 2. V. Serbezov, "Pulsed Laser Deposition: The Road to Hybrid Nanocomposite Coatings and Novel Pulsed Laser Adaptive Technique", Recent Patents on Nanotechnology, NANOTEC, Vol. 06, No.3, 2645, (2013). https://www.researchgate.net/publication/228099430_Pulsed_Laser_Deposition_The_Road_to_Hybrid_Nanocomposites_Coatings_and_Novel_Pulsed_Laser_Adaptive_Technique 3. V. Serbezov and A. Dimitrov, "Industrial Applications of Laser Ablation: The latest advances, trends and Novel Laser Adaptive Ablation Deposition technique for one step and in situ hybrid nanocomposites coatings synthesis", Materials of the X International Symposium on Photon Echo and Coherent Spectroscopy. PECS'2013, June-30-July6, Yoshkar-Ola, Russia, Russian Academy of Sciences, American Optical Society, Russia, 190-204, (2013). 4. V.Serbezov, S.Sotirov, Sv.Serbezov, "Hybrid nanocomposite coatings from Metal (Mg alloy)-Drug deposited onto medical implant by Laser Adaptive Ablation Deposition technique", Proc. SPIE 8770, 17th International School on Quantum Electronics: Laser Physics and Applications (2012). https://www.researchgate.net/publication/258815099_Hybrid_nanocomposite_coatings_from_Metal_Mg_alloy- Drug_deposited_onto_medical_implants_by_Laser_Adaptive_Ablation_Deposition_technique 5. V.Serbezov, S.Sotirov, "One-step synthesis of Hybrid inorganic-organic nanocomposite coatings by novel Laser Adaptive Ablation Deposition technique", SPIE 8770, 17th International School on Quantum Electronics: Laser Physics and Applications, 87700G (2012).

E-mail address for registration in the database of the Bulgarian National Science Fund
office@biocoats.com
Participation in projects supported by BNSF in the last five years
Competition (type and year): **Number and date of the contract:** **Title:** **Project coordinator:** **Status of the project:** (running, with intermediate or final report under review, completed) **Evaluation of the project implementation (for completed projects):**
Competition (type and year): **Number and date of the contract:** **Title:** **Project coordinator:** **Status of the project:** (running, with intermediate or final report under review, completed) **Evaluation of the project implementation (for completed projects):**

Participation in projects supported by other sources in the last five years
1/ **Financing organization:** Vaskotec GmbH **Type of the competition and year:**corporate **Number or acronym of the project:** „Functional hybrid nanocoatings for medical implants", 2011 **Project coordinator:** V Serbezov **Status of the project:** completed 2/ **Financing organization:** **Nanotechplasma SARL** **Type of the competition and year:**corporate **Title:** In vitro trials of hybrid nanocomposite coatings for cardiovascular Drug Eluting Stents (DES) and Drug Eluting Balloons/catheters (2014) **Project coordinator:** V Serbezov **Status of the project:** completed 3/ **Financing organization: Nanotechplasma SARL** **Type of the competition and year:** corporate Title: "In vivo trials of hybrid nanocomposite coatings for cardiovascular Drug Eluting Stents (DES) and Drug Eluting Balloons/catheters (DEB) (2015) **Project coordinator:** V Serbezov

Status of the project: running 4. **Financing organization:** EC **Type of the competition and year:** FP7 REGPOT, 245588 **Number or acronym of the project:** BioSUPPORT Title: BioSUPPORT, FP7 REGPOT, 245588 Project coordinated in Bulgaria, Faculty of Biology, University of Plovdiv. (2009). **Project coordinator:** Prof. Ivan Minkov; **V.Serbezov:** Co-Initiator of Project **Status of the project:** completed