BioNanoScience: Topic Issue on Nano&Micro: Particles, Films, Containers - VI

Dmitry Gorin¹

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At present time, the research at the junction of sciences is growing rapidly. Multidisciplinary study in the field of materials science, biophysics, and medicine is a very important from point of view of fundamental and of applied science taking account the trends in modern science. It is very useful to organize the exchange of knowledge in the described above fields. The VI international conference named “Nanoparticles, nanostructured coatings, microcontainers: technology, properties, applications” combined with I School “Nanostructured materials” was organized in Saratov from 20 until 24 May and from 18 until 20 May 2015, respectively. More 170 scientists from 14 countries (Russia, UK, USA, Germany, Singapore, Italy, Belgium, Austria, Bulgaria, Turkey, Ukraine, Slovenia, and Egypt) took part in this conference, and 300 participants were involved in the I School “Nanostructured materials.” Forty-six oral talks and 87 posters were presented during this conference, and 18 lectures were given on the School. Special issue of BioNanoScience named Nano&Micro: par-

ticles, films, containers - VI is to implement the systems enabling measurement of bioactive substance concentration and controlled drug release at defined time and place. We believe that area of encapsulation development towards smart multifunctional theranostic systems could bring benefits for personalized medicine and should minimize costs and resources at preclinical and clinical study in pharmacology while testing new bioactive compounds. Therefore, in this special issue of BioNanoScience is concentrated in the areas of physics and chemistry of colloids and interfaces, nano- and microparticle synthesis, theranostic systems, nanotoxicity, and nanomedicine to report their latest achievements. The topics of interest include, but are not limited to, monolayers on gas/liquid interface; active surface and biointerfaces; nanoparticles and microparticles, polymers, and composite materials; sensor systems; in vivo or in vitro toxicity of nanostructured materials; remote-controlled microcontainers; drug delivery systems; and theranostics.

✉ Dmitry Gorin
gorinda@mail.ru; gorinda@info.sgu.ru

¹ Institute of Nanostructures and Biosystems, Remote Controlled Theranostic Systems Lab, Saratov State University, Astrachaskaya Str 83, 410012 Saratov, Russia