

14th INTERNATIONAL WORKSHOP ON NANOSCIENCE & NANOTECHNOLOGY

ORGANIZERS:

The National Coordination Council on Nanotechnology at
the Bulgarian Academy of Sciences



Technical University - Sofia



Topic	E- Bioinspired concepts and medical applications. E1-E10
E1	Hr. Svilenov, Chr. Tzachev, N. Lambov Assessment of lipid nanoparticles as promising drug carriers hsvilenov@gmail.com
E2	S. Stoyanov*, E. Mileva Interfacial and bulk properties of two-antennary oligoglycines stoyanov@ipc.bas.bg
E3	V. Milkova, K. Kamburova, Ts. Radeva Stable suspensions of indomethacin nanoparticles prepared using sonication and layer-by-layer assembled polysaccharide films vmilkova@ipc.bas.bg
E4	B. Soklev, D. Arabadzhieva, E. Mileva New interfacial characteristics of aqueous solutions of grafted PNIPAM-g-PEO copolymer and indomethacin in different conditions dim@ipc.bas.bg
E5	R. Cohen, N. Christova, I. Stoyneva, L. Alexandrova, I. Terziyskiy Foam and wetting films stabilized with a rhamnolipid biosurfactants iterziyski@ipc.bas.bg
E6	A. Gyurova, S. Stoyanov, E. Mileva Nano-platforms of antennary glycine compounds as captive agents for lipopolysaccharides in aqueous media any_gyurova@abv.bg
E7	G. Chernev ¹ , Y. Evstatieva ² , D. Nikolova ² , M. Yordanova ² , E. Todorova ¹ , I. M. Miranda Salvado ³ Structural characterization and application of sol-gel silica nanocomposites in biotechnology georgi_chernev@yahoo.com
E8	Stoyanova ¹ , N. Ivanova ¹ , A. Bachvarova-Nedelcheva ² , R. Iordanova ² , H. Hitkova ¹ , M. Sredkova ¹ Effect of synthesis conditions on photocatalytic activity of TiO ₂ nanoparticles prepared by nonhydrolytic method astov@abv.bg
E9	M. Vassileva, M. Popova, K. Yoncheva, V. Mavrodinova, A. Szegedi, N. Tusar Development of different methods for resveratrol loading into mesoporous silica particles mishell88@abv.bg
E10	Elena Drakalska, Svetlana Vassileva, Denitsa Momekova, Desislava Budurova, Nikolay Lambov, Stanislav Rangelov Design of octopus-shaped macromolecules based on tert-butylcalix[4]arenes as drug delivery platforms for curcumin dmomekova@yahoo.com

Topic	F-Micro and nanoengineering, Nanometrology, F1-F9
F1	B. Aprahamian, M. Nikolova, V. Zaharieva, A. Gaydardziev Influence of the nanostructured multilayered architecture on the mechanical properties of TiN-type coatings boh@abv.bg
F2	B. Aprahamian, M. Nikolova, V. Zaharieva, A. Gaydardziev Multilayered nanostructured PVD coatings deposited on electrical contacts – structure and properties boh@abv.bg
F3	E. Gieva, R. Rusev, G. Angelov, R. Radonov, M. Hristov, T. Takov Proteins application in electronics gieva@ecad.tu-sofia.bg
F4	M. Spasova, G. Angelov, M. Hristov Overview of carbon nanotube field-effect transistors mis@ecad.tu-sofia.bg
F5	V. Videkov, B. Tzaneva Optical properties of free nano porous oxide membranes videkov@tu-sofia.bg
F6	G.Hr. Dobrikov, M. Aleksandrova, G. M. Dobrikov Thermally activated current for defect analysis in electroluminescent devices based on new synthesized low-molecular weight compound georgy_ddobrikov@abv.bg
F7	A. Andonova Thermal heat transfer challenge to reliability in 3D integration technologies ava@ecad.tu-sofia.bg
F8	Rossen Radonov CADENCE as a Nanotechnology Tool Rossen.Radonov@ecad.tu-sofia.bg
F9	Plamen Tachev, Serioja Valkanov, Peter Petrov, Emilia Balabanova Microstructure of gas metal arc welded carbon steel with nanoparticles ebalabanova@gmail.com