Poster Session 1

- 1. Kirilova, S., The use of bibliometric indicators for the measurement of impact and visibility of Bulgarian research performance in natural sciences
- 2. Tzvetkov, V., Chemistry teachers training from skills perspective
- 3. Georgieva, B., Electrochemical monitoring of platinum(II) coordination reactions in water solutions
- 4. Mladenova, E., Analytical procedure for Sr and Rb isotopes determination in traditional Bulgarian wines
- 5. Dakova, I., Speciation analysis of chromium in surface waters using ionic liquidfunctionalized polymer gel
- 6. Dakova, I., Synthesis and application of Fe(II)-imprinted polymer gels for Fe(II)/Fe(III) speciation in surface waters
- 7. Yotova, G., Determination of geochemical background and threshold values for potentially toxic elements in the Bulgarian soil quality monitoring network
- 8. Zlateva, B., Comparison of P-XRF spectrometers for archaeological research: a case study for analysis of tin-rich archaeological bronzes
- 9. Kovacheva, P., Mechanochemically induced synthesis of thermally stable U-La mixed Oxide
- 10. Velcheva, V., A case study on the solution behavior of platinum(IV) complexes designed as potential antiproliferative agents
- 11. Dimitrova, R., Gd(III) complex of Monensin: synthesis, spectral characterization and biological activity
- 12. Yordanova, T., Non-chromatographic speciation analysis of mercury in surface waters supported by core-shell nanocomposites
- 13. Voyslavov, Tz., Assessment the level of self-cleaning of the soil around former metallurgical plant Kremikovtsi, Bulgaria
- 14. Lyubomirova, V., Quantification strategy for LA-ICP-MS analysis of plant samples
- 15. Mihaylova, V., Bioaccessibility of essential and potentially toxic elements in apples using enzymolysis approach
- 16. Dimitrov, D. Chemometric expertise of clinical monitoring data of prolactinoma patients
- 17. Dimitrov, D., Chemometric assessment of ecotoxicity of silver nanoparticles
- Naneva, L., Creating a model for the prediction of allergenic food proteins using Discriminant Analysis
- 19. Donkova, B., Mechanoactivation of ZnO photocatalyst

- 20. Kircheva, V., Preparation, characterization and activity evaluation of nickel oxide/ G-C₃N₄ photocatalyst
- 21. Hristov, H., Polymer-borate hybrids films theoretical and experimental determination of the structure
- 22. Hristov, H., Borosilicate hybrid materials and nanocomposites: synthetic, structural and statistical approach
- 23. Getsova, M., Temperature-dependence of luminescence properties of Tb³⁺ doped zinc orthosilicate synthesized by polymerized complex method
- 24. Angelova, N., Potential vaccine adjuvants of nanostructured iron(III) hydroxyphosphates: preparation and physicochemical characterization
- 25. Vasileva, P., Green synthesis of silver nanoparticles and their analytical application as LSPR-based sensor in speciation analysis of chromium and iron
- 26. Zlatanova, Z., Bernessite as a structural matrix for intercalation of lithium

Poster Session 2

- 27. Koleva, A., Keto-enol and nitro-aci-nitro tautormerism in 3,3',4,4'-tetrahydro-3,3'disubstituted-4,4'-biscoumarins
- 28. Lyapchev, R., Synthesis of imidazoquinolinium salts and their respective palladium NHC-complexes
- 29. Kandinska, M., Synthesis and photophysical properties of novel fluorogenic asymmetric squarilium dyes nonspecific protein bridges
- 30. Stoyanov, S., Naphthalimides with fused N-B-N bridge: a new class of boron containing fluorophores
- 31. Yordanova, S., Synthesis, photophysical characteristic and microbiological activity of new PAMAM tripod and its cuprum complex
- 32. Zagranyarski, Y., Water-soluble NIR-absorbing rylene chromophores for visualization of cellular organelles
- 33. Mihaylova, V., Simple synthesis of diaryl substituted pyrrolidine-2-carbonitriles from enones
- 34. Topov, D., Polyzwitterionic gels as polymer electrolytes for lithium ion batteries
- 35. Christov, L., Azeotropy in multi-component copolymerization: existence and stability
- 36. Simeonov, M, Copolymer hydrogels of poly(acrylic acid) and polyacrylamide: synthesis, characterization and revealing their potential as transdermal delivery system for quercetin

- Mircheva, K., Enzymatic hydrolysis of monomolecular film of dilauroylphosphatidylcholine by Vipoxin and its separated components
- 38. Garcés, J. L., Influence of charge regulaton on conformational, ionization and stretching properties of polyelectrolytes
- 39. Katev, V., Albendazole solution formulation via vesicle-to-micelle transition of phospholipid-surfactant aggregates
- 40. Gazolu, D., Emulsification by rotor-stator homogenizer: comparison of experimental and predicted drop sizes
- 41. Mustan, F., Role of surface rheological properties for the kinetics of bubble Ostwald ripening in saponin-stabilized foams
- 42. Georgieva, G., Synergistic micellar growth in mixed surfactant solutions: rheology and cryo-TEM imaging
- 43. Radulova, G., Rheology of adsorption layers from the protein hydrophobin and its mixtures with other proteins: experiment and theoretical model
- 44. Dimitrova, L., Effects of salt and fragrance-like molecules on formulation rheology
- 45. Hristova, M., Role of Pickering stabilization and bulk gelation for the preparation and properties of solid silica foams
- 46. Politova, N., Self-regulation of foam volume and bubble size during foaming via shear mixing
- 47. Stanimirova, R., Sulfonated methyl esters, linear alkylbenzene sulfonates and their mixed solutions: micellization and effect of calcium ions
- 48. Anachkov, S., Particle detachment from liquid interfaces: theory vs experiments
- 49. Simeonova, S., Implementing atomic force microscopy for characterization of silver nanoparticles
- 50. Georgiev, P., Implementing atomic force microscopy for characterization gold nanoparticle
- 51. Dudev, T., Determinants of Fe^{2+} over M^{2+} (M = Mg, Mn, Zn) selectivity in nonheme iron proteins
- 52. Ilieva, S., Competition between abiogenic Al³⁺ and native Mg²⁺, Fe²⁺ and Zn²⁺ ions in protein binding sites: implications for aluminium toxicity
- 53. Cheshmedzhieva, D., Hyperconjugative effects in π -hydrogen bonding: theory and experiment
- 54. Petrova, J., Multilipid bilayer with an embedded receptor selection of a thermodynamic ensemble

- 55. Nedyalkova, M., Predicting partition coefficients by first principles calculations of organic solvents with implicit solvent model
- 56. Petkov, P., Molecular dynamic simulation of proton transfer in functionalized PAF