**Section: Chemistry**

*Tanja Kamburi, Luljeta Pinguli, Ilirjan Malollari, Lorina Malollari*

Impact of malt quality parameters on beer filtration optimiza-tion process

*Tanja Kamburi, Luljeta Pinguli*

The role and the influence of enzymes in the optimization of wort production for beer

Petranka Petrova, Maya Chochkova, Irina Karadjova, Ivanka Dakova, Metody Karadjov

Selective preconcentration of Pt and Pd using amino acid func-tionalized silica gel

Ivan Angelov, Venko Beschkov

Optimization of biogas production from lingnocelulosic materials by different methods of substrate treatment

Bekbolat Nussupbekov, Ayanbergen Khassenov, Mitko Stoev, Dana Karabekova, Anuar Beysenbek, Berik Kazankap

Еlectrohydraulic ragging of metallurgical silicon (addendum

Lilko Dospatliev, Miroslava Ivanova, Kiril Gavazov

Correlation between cambisols soil characteristics and lead content in wild edible mushrooms (Cantharellus Cibarius, Tri-choloma Equestre, and Craterellus Cornucopioides)

Teodora Stefanova, Ramadan Ahmedov, Serhii Zaruba, Vasil Andruch, Kiril Gavazov, Vasil Delchev, Lilko Dospatliev

A cloud-point extraction-chromogenic system for copper(II) based on 1-(2-thiazolylazo)-2-naphthol

Fatima Sapundzhi, Tatyana Dzimbova, Peter Milanov, Nevena Pencheva

Molecular docking experiments of Cannabinoid receptors

Fatima Sapundzhi, Tatyana Dzimbova

**Section: Methodology in Education**

*Lorena Kelo, Marie Dede, Sotiraq Marko, Esmeralda Guliqani*

Didactic methods of teaching Physics at "Fan S. Noli" Univer-sity, in Korçë

*Sotiraq Marko, Lorena Kelo, Esmeralda Guliqani*

The problem solving method and the research, needed to transmit the new sets of knowledge in physics

*Georgi Malchev*

Non-formal education of physics including making devices for demonstration

Velichka Dimitrova, Magdalena Shekerliyska

Role of using educational tasks in Chemistry

Radost Vassileva

Cognitive problems for developing students’ scientific literacy in their Physics education

**Section: Physics and Technical Sciences**

Lubomir Direkov

Study of residual radioactivity in fish and fishery products im-ported into Bulgaria from China, Vietnam, Japan and Norway

Peter Petrov, Darina Kaisheva, Gizo Bokuchava, Igor Papushkin Study of residual stresses during electron beam welding of al-loyed steels using neutron diffraction

Lyuben Ivanov

Improved multisoliton compressor

Vasil Milovanski, Gergana Kalpachka

Analysis of average power at simistor phase adjustment

Liliya Petrova

Stresse’s distribution in elastic isotropic semi-space with con-centrated vertical force

Liliya Petrova

Force’s lines influences in a single static undetermined beams

Anna Majchrzycka

Thermal Properties of Helium – Oxygen Mixtures

Fatima Sapundzhi, Metodi Popstoilov, Nadya Nikolova, Magdale-na Bojinova

Optimization algorithms for finding the shortest paths

**Workshop “Recent Progress in Bio-electrochemical systems”**

Tsvetomila Parvanova-Mancheva, Elena Razkazova-Velkova, Martin Martinov, Stefan Stefanov, Venko Beshkov

Sulfide and nitrate driven fuel cell. Biochemical denitrifica-tion

Elena Razkazova-Velkova, Martin Martinov, Stefan Stefanov, Venko Beschkov

Sulfide and nitrate driven fuel cell. Chemical denitrification.

Silviya Hristoskova, Ivo Bardarov, Dragomir Yankov,

Svetla Danova, Yolina Hubenova, Mario Mitov

Identification of microbial community in a Sediment Microbi-al Fuel Cell

Nina Dimcheva, Elena Horozova

Improved operational stability of a laccase-based electrode applicable in biofuel cells

Elitsa Chorbadzhiyska, Yolina Hubenova, Mario Mitov

Copper recovery combined with wastewater treatment in a Microbial Fuel Cell