



**"ANGEL KANCHEV" UNIVERSITY OF RUSE
RAZGRAD BRANCH
HOUSE OF SCIENCE AND TECHNOLOGY RAZGRAD
REGIONAL ACADEMIC CENTER OF BAS RAZGRAD
UNION OF SCIENTISTS IN BULGARIAN BRANCH RAZGRAD**



**SCIENCE CONFERENCE
WITH INTERNATIONAL PARTICIPATION**

**04.11. - 05.11.2016
Central Hotel Razgrad**

PROGRAM OVERVIEW

04.11.2016

09:30 – 14:30

Central Hotel Razgrad - next to the Reception desk
Registration of the conference participants

11:00

LARGE CONFERENCE ROOM

Opening Ceremony Key note address 11:00		
PLENARY SESSION 11.15 - 13.00	CARBON NANOTUBE-CACO₃ NANOPARTICLE COMPOSITES FOR AMPEROMETRIC BIOSENSORS Prof. Eleonora-Mihaela Ungureanu PhD University "Politehnica" of Bucharest, Romania	
	USE OF PLEUROTUS MUSHROOM SUBLIMATED POWDER IN EUROPE. USE OF MUSHROOM POWDER IN SEMI- MANUFACTURED FOOD IN FAST COOKING Martin Neshev Razgrad, Bulgaria	
13.00 - 14.00	<i>Coffee Break (Lobby bar)</i>	
14.00 - 16.30	Meeting of the section "Biotechnology and Food Technologies " - Room 23	
	Poster session: Section "Chemical Technologies" - Room 21	
19:00	Conference dinner – "Mimoza" complex - Razgrad	
05.11.2016	9.30 - 11.30	Meeting of the section " Chemical Technologies " - Room 23
	9.30 - 11.30	Poster session: section "Biotechnology and Food Technologies "" - Room 21
	11.30	Awarding the authors of the best reports from two sections with a crystal award "THE BEST PAPER". Closing remarks

04.11.2016

Section " Biotechnologies and Food Technologies "
Sectional reports: 04.11. 2016 14.00-16.30 – room 23
Session Chair: N. Ivanova

FRI-23-1-BFT(R)

- 01 Investigating the impact of bacterial enzyme preparation with collagenase activity on the protein fraction of boiled sausages
D. Indzhelieva
- 02 Nutritional properties of eincorn wheat (*triticum monococcum L.*) - review
G. Nakov, V. Stamatovska, L. Necinova, N. Ivanova, S. Damyanova
- 03 Modernization and upgrade of laboratory equipment for analysis of foodstuffs
Z. Zlatev
- 04 Reodynamical theory of viscous-elastic system deforming
V. Goots, O. Gubenia, O. Guts

Section "Chemical Technologies"
Poster session: 04.11.2016 14.00-16.30 – room 21
Session Chair: Ts. Dimitrov

FRI-21-P-CT(R)

01. Study on the mechanical resistance enhancement of porcelain body formulation by binders addition
E. Barrachina, I. Calvet, D. Fraga, S. Kozhukharov, J. Carda
02. Theoretical anharmonic vibrational spectroscopy of nucleosides. guanosine and its mono- and dehydrated complexes in gas-phase
N. Markova, N. Stoyanova, V. Enchev, L. Pejov
03. Influence of NaH₂PO₂ content on the compositional and morpho-logical characteristics of NiCoP coatings deposited at room temperature and potentiostatic conditions
K. Ignatova, Y. Marcheva, S.Kozhukharov
04. Rice husks ash porous structure dependence on the nature of activation reagent and combustion temperature
L. Gonsalvesh-Musakova, S. Pavlov, M. Tavlieva, V. Georgieva
05. Surface Zn - inclusion in phosphate treated cerium conversion coatings deposited on AA2024-T3 aircraft alloy
S. Kozhukharov, C. Girginov, I. Avramova, M. Milanes
06. Obtaining of wear resistant materials
I. Markovska, T. Michalev, S. Yaneva, A. Apostolov
07. Humidity sensing properties of sensors based on Ti-Zr-Ce-O surface layers prepared via a sol-gel method
Z. Nenova, S. Kozhukharov, N. Nedev, T. Nenov
08. Influence of external electric field on the tautomeric equilibrium of 2-carbamido-1,3-indandione: UV-VIS and theoretical investigation
V.Enchev, I. Angelov, I. Filipova, N. Markova, L. Pejov, I. Buchvarov, A. Trifonov
09. Hardening glass ceramics with low thermal expansion
V. Goleus, A. Nosenko, A. Zaychuk, A. Amelina, N. Ilchenko, Ts. Dimitrov, Y. Bondarenko
10. Biogenic magnetite/activated carbon composite electrodes for electrochemical capacitors in aqueous electrolyte
S. Veleva, Ch. Girginov, A. Stoyanova

11. Study on the corrosion inhibition of stainless steel X5CrNi18-10 by D Panthenol 75% W in chlorine-containing media
M. Ilieva
12. The impact of raw materials on the properties alumomagnesium spinel obtained by sintering
O. Karasyk, V. Goleus, Ts. Dimitrov, A. Korolenko
13. Chemical stepwise solution phase synthesis of a tetra-ribonucleotide agcu, in directions from the 5'→3' as well as 3'→5' terminus, using a modification of the h-phosphonate chemistry
S. Bayryamov
14. Influence of the ceramic slurry characteristics by forming of porous ceramics using a replication method
G. Kolchakova, S. Koruderlieva, I. Chomakov, M. Ivanova
15. Bio-electrochemical process of nitrogen and phosphorus removal from water
Y. Dimitrova, G. Peeva, V. Nenov
16. A study on the corrosion of mild steel in a solution with added organic compound
T. Haralanova, M. Ilieva, Ch. Girginov
17. Study on the structure and properties of samarium selenite by density functional theory
R. Yankova, S. Genieva, M. Stancheva, G. Dimitrova
18. Study on the kinetics of thermal degradation after uv irradiation of polyethylene oxide films containing cobalt (III) acetylacetonate additive
M. Tavlieva, D. Kiryakova, A. Atanassov
19. Study of the potential of salvage of industrial waste alumo oxides to be used in refractory manufacture
M. Ivanova, S. Koruderlieva, B. Bogdanov, G. Kolchakova
20. Theoretical model of formation of a zone of chemical contamination with hydrogen sulfide as a result of an accident
P. Atanasova, S. Nedkova, S. Naydenova
21. Installation desing for degradation of waste from "Aurubis Bulgaria"AD
D. Georgiev, D. Rusev, I. Gradinarov
22. Studies in the synthesis of glass-ceramics materials doped with rare earths
Y. Hristov, I. Ivanov
23. Co(II) complexes of 4- and 5-nitro-substituted heteroaryl cinnamoy derivatives
I. Nikolova, M. Marinov, A. Dimitrov, P. Marinova, N. Stoyanov
24. Synthesis and study of Co-doped willemite ceramic pigments
Ts. Dimitrov
25. Equilibrium constant calculation of a chemical reaction by computer processing of thermodynamic data
T. Haralanova, Ch. Girginov, A. Dishliev

05.11.2016

Section "Chemical Technologies"

Sectional reports: 05.11. 2016 09.30-11.30– room 23

Session Chair: M. Stancheva

SAT-23-1-CT(R)

01. System analysis and design of optimal supply chan for biofuels
E. Ganev, Y. Dzhelil, D. Dobrudzhaliev
02. Wastewater treatment with natural zeolite of the clinoptilolite type
T. Michalev, I. Markovska, S. Yaneva
03. Influence of small modifying additives on properties enamel coatings
O. Ryzhova, M. Khokhlov
04. On the anode influence over the performance of microbiological fuel cell
R. Koleva, B. Midyurova, H. Yemendzhiev, V. Nenov

- 05. Synthesis and study of garnet ceramic pigments
Ts. Dimitrov, M. Doynov, M. Stancheva
- 06. Studying of interaction between melt of sodium metaphosphate and dross was formed in the process of the hot deformation
A. Cheremysynova, Y. Kozlov, I. Sknar, L. Petrenko

Section " Biotechnologies and Food Technologies "
Poster session: 05.11. 2016 09.30-11.30 – room 21
Session Chair: N. Ivanova

SAT-21-P- BFT(R)

- 01. The problem of criterion analysis of play-technological systems of packaging lines
L. Kryvoplias – Volodina, O. Gavva
- 02. The need for insurance of the food industry in the European Union
M. Arych
- 03. Proper nutrition - the foundation of health and longevity
G. Shcherbakova
- 04. Influence of thermal conditions of formation of products from the dough to the quality of finished products
V. Rachok, V. Telychkun, Y. Telychkun, S. Stefanov, T. Yanakiev, A. Semimitchev
- 05. Processing to prevent the appearance of pinking in sparkling wines
I. Melnik, A. Kuchukhidze, P. Mitev, N. Stoyanov
- 06. Verification of BDS en ISO 9308-1:2014 water quality. Enumeration of *Escherichia coli* and coliform bacteria - part 1: membrane filtration method
D. Ivanova, G. Grigorova
- 07. Antimicrobial activity of *Bacillus methylotrophicus* 47 against phyto-pathogenic fungi
R. Denkova, B. Goranov, D. Teneva, Z. Denkova, H. Marinov, G. Kostov
- 08. Biochemical and molecular-genetic identification of *Lactobacillus* strains of human origin
D. Dimbareva, R. Denkova, D. Teneva, B. Goranov, Z. Urshev, Z. Denkova, G. Kostov
- 09. Resistance of probiotic lactobacilli, bifidobacteria and propionic acid bacteria strains to preservatives applied in cosmetic formulations
B. Goranov, R. Denkova, D. Teneva, D. Dimbareva, Z. Denkova, G. Kostov
- 10. Chemical composition of essential oil from *stachys cretica* subsp. Bulgarica rech. fil.
S. Damyanova, A. Stoyanova, T. Atanasova, P. Bozov
- 11. Chemical composition, antioxidant and antimicrobial activities of extracts from sage (*salvia officinalis* L.).
S. Mollova, S. Damyanova, I. Kostova, A. Stoyanova
- 12. Fluorescent microscopic analysis of bovine blood neutrophils by QDS labe-led anti-bovine neutrophil elastase antibody
Z. Becheva, K. Gabrovska, Ts. Godjevargova
- 13. Analysis of additives in soft drinks
M. Petrova, I. Ivanova, S. Damyanova, N. Ivanova
- 14. Amplifiers of taste in meat products
M. Petrova, I. Ivanova, S. Damyanova, N. Ivanova, I. Mustafov
- 15. Basic processes for surface treatment of stainless steel in conjunction with hygienic design of process equipment for the food industry
G. Angelova, S. Stefanov, S. Atanasova
- 16. Advanced and innovative methods for freezing of food products
D. Gospodinov, D. Avdjiev, G. Mihailov

ATTENTION !

**Author/s of the best report and a young scientist
in each section will be awarded by the Rector
with Certificate and Crystal PRIZE**

“THE BEST PAPER”

