



**РУСЕНСКИ УНИВЕРСИТЕТ “АНГЕЛ КЪНЧЕВ”
ФИЛИАЛ РАЗГРАД
СЪЮЗ НА УЧЕНИТЕ В БЪЛГАРИЯ - КЛОН РАЗГРАД
РЕГИОНАЛЕН АКАДЕМИЧЕН ЦЕНТЪР НА БАН - РАЗГРАД
РОТАРИ КЛУБ - РАЗГРАД
ДОМ НА НАУКАТА И ТЕХНИКАТА - РАЗГРАД**



**62-ра ГОДИШНА НАУЧНА КОНФЕРЕНЦИЯ
НА РУСЕНСКИ УНИВЕРСИТЕТ
ФИЛИАЛ - РАЗГРАД
Нови индустрии, дигитална икономика,
общество – проекции на бъдещето VI**

**03.11. - 04.11.2023 г.
Хотел Лес гр. Разград**

ПРОГРАМА

03. 11. 2023 г.

<p>09:30 – 14:00 ч. Хотел Лес - до рецепция Регистрация на участниците в конференцията</p>
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Откриване, Приветствия 11:00 ч.	КОНФЕРЕНТНА ЗАЛА https://meet.uni-ruse.bg/b/fht-4en-rjy
ПЛЕНАРНИ ДОКЛАДИ Конферентна зала 11.10 - 12.30	Професиите на бъдещето (Професии с бъдеще) <i>Проф. д-р Ангел Смрикаров</i> Русенски Университет „Ангел Кънчев“, Русе
	Хидрати и комплекси на магнезиеви сулфати - синтез, структура и свойства <i>Проф. д-р Росица Николова</i> Институт по минералогия и кристалография, БАН София
13.30 - 15.30	Заседание на секция "Химични технологии" - <i>конферентна зала</i>
	Заседание на секция "Биотехнологии и хранителни технологии" - <i>конферентна зала</i>
15.30-17.30	Постер сесия - секция "Химични технологии" конферентна зала
	Постер сесия - секция "Биотехнологии и хранителни технологии"- конферентна зала
19:00	Вечеря за участниците в конференцията Ресторант „Лес“ - вход с куверти
04. 11. 2023 г.	
09.30-12.00	Постер сесия - секция "Химични технологии" конферентна зала
	Постер сесия - секция "Биотехнологии и хранителни технологии"- конферентна зала
12.00-12.30	Награждаване на авторите на най-добрите доклади от двете секции с кристален приз "THE BEST PAPER". Закриване на конференцията.

03.11. 2023

Section "Chemical Technologies"

Sectional reports: 13.30-14.30 - conference room

Session Chair: Assoc. Prof. Temenuzhka Haralanova, PhD

FRI-LCR-1-CT(R)

01. Ceramic pigments obtained by solid-state sintering of loess with addition of Cr_2O_3
Rositsa Titorenkova, Tsvetan Dimitrov, Yana Tzvetanova, Dimitar Antonov
02. Antioxidant activity and chemical composition of extracts from an endemic plant *Sideritis syriaca*
Anife Veli, Radoslava Nikolova, Zilya Mustafa, Georgi Rusev, Lenia Gonsalvesh
03. Environmentally acceptable synthesis of magnesium bearing fertilizers
Krasimir Kossev, Nadia Petrova, Gergana Velyanova

Section "Biotechnologies and Food Technologies"

Sectional reports: 14.30-15.30 - conference room

Session Chair: Assoc. Prof. Iliana Kostova, PhD

FRI-LCR-1-BFT(R)

01. Storage stability, antioxidant and antilipid activity of seed extract from Pinot noir grape
Yavor Ivanov
02. Application of alginate
Darina Georgieva
03. Survey on informed food choices
Stanka Damyanova, Iliana Nikolova, Iliana Kostova
04. Additives in food products
Stanka Damyanova, Iliana Kostova, Iliana Nikolova

03.11. 2023, 04.11. 2023

Section "Chemical Technologies"

Poster session: 15.30-17.00 – conference room

Session Chair: Prof. Tsvetan Dimitrov, PhD

SAT-LCR-P-2-CT(R)

01. Sustainable strategy for design and management of biofuel supply chains on a Bulgarian case study
Evgeniy Ganev, Desislava Nikolova, Yunzile Dzhelil, Rayka Vladova
02. Gravimetric assessment of the effect of 2-acetyl-6-(10H-phenothiazin-10-yl)-3a,6-dihydro-1H-benzo[de]isoquinoline-1,3(2H)-dione on the corrosion behavior of steel in sulfuric acidic environment
Temenuzhka Haralanova, Christian Girginov

03. Waste to biofuel: utilization of waste dairy scum for sustainable synthesis of biodiesel - Bulgarian scale
Desislava Nikolova, Evgeniy Ganey, Yunzile Dzhelil, Konstantina Galcheva
04. Comparative study of abrasives content in toothpaste
Iliana Nikolova, Stanka Damyanova
05. Comparison and evaluation of different theoretical methods for constructively sizing of cyclones
Desislava Koleva
06. Peculiarities in the sizing of reactors with stirring devices during an exothermic reaction
Desislava Koleva
07. Investigation of the structure of garnet pigments obtained from pure and waste raw materials by using of electron paramagnetic resonance
Fila Yovkova, Adriana Georgieva, Tsvetan Dimitrov, Mariela Minova
08. Comparative physicochemical analysis of mineral, mountain and spring waters from Bulgaria
Nedialka Valcheva, Iliana Nikolova
09. Application of natural additives to metalworking fluids based on aqueous emulsions of vegetable or modified vegetable oils - A review
Vasil Kopchev
10. Overview of the possibilities of replacing mineral base oils in metal working fluids with vegetable oils and their derivatives
Vasil Kopchev
11. Features of coordination of shrinkage processes of ceramic masses and engobe coatings in brick production
Olena Khomenko, Tsvetan Dimitrov
12. Features of bioglass technology for bone tissue regeneration
Olena Khomenko, Illia Prokhorenko, Tsvetan Dimitrov
13. Effect of the temperature during the polymerization step on the characteristics of the obtained microcapsules from different essential oils in the microencapsulation process by in situ polymerization
Stanislav Bayryamov
14. Effect of the microencapsulation time on the characteristics of the obtained microcapsules from different essential oils by in situ polymerization process
Stanislav Bayryamov
15. Biodiesel synthesis from low quality raw materials using sulfomass as a catalyst
Stanislav Bayryamov, Vasil Kopchev, Stefano Danev
16. Micro-infrared and raman spectroscopy applied for studying ancient pigments
Rositsa Titorenkova
17. Study on the biological degradation of polylactic acid in various environments
Miroslava Valchanova, Antonia Ilieva, Dimitrina Kiryakova

18. IR and NMR spectra of some isoquinoline derivatives of 1,8-naphthalic anhydride
Marin Marinov, Dobromir Tsonev, Iliana Nikolova
19. Microbiological characteristic of mineral, mountain and spring waters from Bulgaria
Nedialka Valcheva, Iliana Kostova, Iliana Nikolova
20. Study on the effect of nano-additives in the low-temperature synthesis of corundum ceramics
Adriana Georgieva, Fila Yovkova, Krasi Panayotova

03.11. 2023, 04.11. 2023

Section "Biotechnologies and Food Technologies"

Poster session: 09.30-12.00 - conference room

Session Chair: Prof. Stanka Damyanova, DSc

SAT–LCR-P-2-BFT(R)

01. Trends in the sales of food supplements and otc products
Mariya Koleva, Momchil Lambev
02. Effect of blackcurrant press flour on the main characteristics of bread
Toncho Kolev
03. Molecular diffusion coefficient of tannins in ethanol extracts of white oregano (*Origanum heracleoticum* L.) cultivated in Bulgaria
Ira Taneva, Violeta Paskova, Krasimira Dobрева
04. Thermodynamic and kinetic investigation of sunflower O/W emulsions with addition of citral
Vanya Gandova
05. Characteristics of drinking water from the region of Sliven
Vanya Prodanova-Stefanova
06. Chemical composition of processed fennel fruits and their application in feed mixtures. 1. Protein and aminoacids
Milen Dimov, Milena Nikolova
07. Dietary fiber content of wheat bread enriched with non-traditional types of flour
Dana Stefanova, Denka Zlateva
08. Different ways to produce biogas
Ivan Angelov, Venko Beschkov
09. Chitosan – obtaining and application
Martina Pencheva
10. Alginate general characteristics and properties
Darina Georgieva, Iliana Nikolova
11. Technological characteristics of grapes and wine from the introduced white wine clones Albana P4 and Prosecco ESAV 19
Tatyana Yoncheva, Zdravko Nakov

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”

