

## Journal of Hygienic Engineering and Design – Volume 34

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### HYGIENIC ENGINEERING AND DESIGN

1. Oana M. Dumitru, Elena L. Ungureanu, Corneliu S. Iorga, Gabriel Mustățea (2021). **Overall migration aspects for plastic food contact materials with food simulants using SPSS statistics.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 3-8.*

### FOOD QUALITY AND SAFETY

1. Afërdita Dinaku, Amilda Ballata, Rozana Troja, Laura Shabani (2021). **Evaluation of microbiological quality of fruit juice (from a single fruit).** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 11-14.*
2. Biljana Lončar, Milica Nićetin, Vladimir Filipović, Violeta Knežević, Lato Pezo, Danijela Šuput, Tatjana Kuljanin (2021). **Osmotic dehydration in sugar beet molasses-food safety and quality benefits.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 15-20.*
3. Petya Ivanova, Boryana Brushlyanova, Gabor Zsivanovits, Stoil Zhelyazkov (2021). **Changes in epiphytic microflora of cherry fruit stored at non-chilling and chilling temperatures.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 21-25.*
4. Ivaylo Sirakov, Katya Velichkova, Desislava Slavcheva-Sirakova (2021). **The Proviotic® supplemented diet on growth performance, biochemical blood parameters and meat quality of common carp (*Cyprinus carpio* L.) and growth of lettuce (*Lactuca sativa*) cultivated in aquaponics.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 26-30.*
5. Paula M. R. Correia, Raquel P. F. Guiné, Melania C. Rodrigues, Rita Mendes (2021). **Influence of temperature and packaging materials in ewe's cheeses storage.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 31-38.*

### FOOD PRODUCTION AND PROCESSING

1. Sergey Babenyshev, Dmitriy Mamay, Andrey Bratsikhin, Elena Drofa, Oksana Prikhodchenko, Angelina Mamay, Liliya Semenova (2021). **Determination of optimal freeze-drying modes of cottage cheese whey permeate as a semi-finished product in the production for enteral nutrition products.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 41-45.*
2. Aleksandra Šmitran, Ljiljana Božić, Mirjana Đermanović, Ljubica Bojanić, Dijana Jelić (2021). **Nanocomposite (clay based) as a suitable carriers for bioactive molecules: Stability and antimicrobial aspect.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 46-51.*

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3. Milica Nićetin, Lato Pezo, Biljana Lončar, Vladimir Filipović, Violeta Knežević, Jelena Filipović, Danijela Šuput (2021). **Sugar beet molasses as osmotic solution for improving antioxidative potential of herbs.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 52-59.*
4. Angel Danev, Vladimira Gančovska, Atanaska Bosakova-Ardenska, Petar Panayotov, Petya Boyanova, Lena Kostadinova-Georgiev (2021). **Possibilities for Beaten cheese cut surface evaluation using images processing.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 60-65.*
5. Relja Suručić, Aleksandra Šmitran, Dragana Gajić, Ljiljana Božić, Marina Antić, Valentina Topić-Vučenović, Nina Umičević, Vesna Antunović, Dijana Jelić (2021). **Phytosynthesis of zinc oxide nanoparticles with acetonic extract of flowers of *Geranium robertianum* L. (*Geraniaceae*).** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 66-70.*
6. Valentina Dobрева, Hristo Spasov, Georgi Dobrev (2021). **Ethanol, sugar and potassium sorbate effects on *Zygosacharomyces bailii* growth in white wine using response surface methodology.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 71-76.*
7. Liudmila Nilova, Svetlana Malyutenkova (2021). **The influence of plant ingredients on the composition of antioxidants in bakery products.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 77-82.*
8. Zdravko Manev, Nadezhda Petkova (2021). **Investigation of the influence of the component composition on the rheological characteristics of pear fruit jam.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 83-87.*
9. Mirjana Bojanić Rašović, Vučeta Jaćimović (2021). **The importance and measures of protection of honey bees from infestation with *Aethina tumida* (with a special focus on Montenegro).** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 88-96.*
10. Jana Žiarovská, Lucia Zamiešková, Jana Bilčíková, Lucia Zeleňáková, Jozef Sabo, Miroslava Kačaniová (2021). **Comparative analysis of allergenic chitinase expression in grape varieties.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 97-101.*
11. Paula M. R. Correia, Raquel P. F. Guiné, Mariana Fonseca, Luís Batista (2021). **Analysis of textural properties of gluten free breads.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 102-108.*
12. Anna Bannikova, Zyainitdinov Damir, Anna Bituykova, Aleksandr Evteev, Alexey Blinohvatov, Ivan Evdokimov (2021). **Characterization and encapsulation of polyphenols and xylooligosaccharides from oat bran in whey protein-maltodextrin complex coacervates.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 109-118.*
13. Jelena Mitrović, Nada Nikolić, Ivana Karabegović, Miodrag Lazić, Ljubiša Nikolić (2021). **Nettle (*Urtica dioica* L.) seed oil: Extraction, chemical characterisation and antioxidant activity.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 119-123.*
14. Ariola Devolli, Merita Stafasani, Edlira Shahinasi, Frederik Dara, Hikmete Hamiti (2021). **Determination of vitamin C content in commercial fruit juices by volumetric and spectrophotometric methods.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 124-131.*

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15. Gergana Nikolova Balieva (2021). **Veterinary students' perceptions on animal welfare animal rights and veganism influence their consumer preferences for purchasing animal products.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 132-137.*
16. Matija Domaćinović, Ivana Prakatur, Ivan Miškulin, Daniela Čačić Kenjerić, Vatroslav Šerić, Berislav Prakatur, Maja Miškulin, Frane Čačić Kenjerić (2021). **The effects of propolis supplementation on weight gain, feed conversion and selected biochemical blood parameters of broilers.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 138-143.*
17. Angel Danev, Teodora Yaneva, Atanaska Bosakova-Ardenska, Radoslava Gabrova, Angel Angelov (2021). **Software development for objective automatic counting of lactic acid bacterial colonies grown in MRS agar.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 144-149.*
18. Tatiana Belemets, Irina Radziyevska, Nataliia Yushchenko, Uliana Kuzmyk, Vasyl Pasichnyi, Oksana Kochubei-Lytvynenko, Nataliia Frolova, Ivan Mykoliv, Olga Korablova (2021). **Impact of vegetable oils on the fatty acid composition of a milk-containing curd product.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 150-160.*
19. Renata Kolláthová, Branislav Gálik, Miroslav Juráček, Ondrej Hanušovský, Daniel Bíro, Michal Rolinec, Milan Šimko (2021). **The impact of the year of harvesting, drying and lyophilization on the mineral profile of grape pomace.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 161-166.*
20. Katarína Fatrcová-Šramková, Marianna Schwarzová, Eva Tvrdá, Miroslava Kačániová (2021). **A body shape index - ABSI in relation to the prevention of civilization diseases in females.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 167-175.*
21. Marianna Schwarzová, Katarína Fatrcová-Šramková, Natália Sabová, Miroslava Kačániová, Eva Tvrdá (2021). **Comparison of body composition analysis and fat free mass using air displacement plethysmography versus bioelectrical impedance analysis.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 176-181.*
22. Aleksei Lodygin, Maria Bogorovskaya, Ksenia Morozova (2021). **Study of protein enricher effect on lactic acid bacteria biochemical activity and fermentation products composition.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 182-185.*
23. Ivana Gazikalović, Jelena Jovanović, Nataša Šekuljica, Nevena Luković, Sonja Jakovetić Tanasković, Zorica Knežević-Jugović (2021). **Optimization of submerged fermentation conditions for gluten-degrading enzyme production using *Bacillus subtilis* isolate.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 186-191.*
24. Jelena Jovanović, Sonja Jakovetić Tanasković, Nataša Šekuljica, Ivana Gazikalović, Andrea Stefanović, Sanja Grbavčić, Nevena Luković, Zorica Knežević-Jugović (2021). **Extraction of phenolic compounds from agro-industrial wastes and evaluation of their antioxidative potential.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 192-202.*
25. Artiona Laze, Federica Pasini, Valentina Arapi, Evelina Ceca, Lato Pezo, Vjollca Gjini, Maria Fiorenza Caboni (2021). **Evaluation of tocopherols and tocotrienols in Albanian cultivars.** *Journal of Hygienic Engineering and Design, Vol. 34, pp. 203-208.*

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26. Andrey Vladimirovich Blinov, Konstantin Vasilevich Kostenko, Alexey Alexeevich Gvozdenko, David Guramievich Maglakelidze, Alexey Borisovich Golik, Andrey Ashotovich Nagdalian, Elena Nikolaevna Statsenko, Natalya Nikolaevna Nikulnikova, Danil Mihaylovich Remizov, Marina Nikolaevna Verevkina, Sergey Nikolaevich Povetkin (2021). **Study of stabilization of selenium nanoparticles by polysaccharides**. *Journal of Hygienic Engineering and Design*, Vol. 34, pp. 209-216.

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