

Journal of Hygienic Engineering and Design – Volume 34

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- Hygienic Engineering & Design
- Food Quality and Safety
- Food Production and Processing

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 Babenyshv, 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.*

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 Ganchovska, 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.*

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.*

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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FOOD QUALITY AND SAFETY

1. Oksana Topchii, Yevhenii Kotliar, Vasyl Pasichnjy, Irina Shevchenko, Alla Tymchuk, Yuliya Kryzhova, Alla Petryna, Dets Nadiia (2020). Antioxidant effect of fat-soluble rosemary and green tea extracts on storage period prolongation of meat paste. *Journal of Hygienic Engineering and Design, Vol. 33, pp. 3-11.*
2. Władysław Migdał, Maria Walczycka, Marzena Zając, Joanna Tkaczewska, Piotr Kulawik, Ewelina Węsierska, Łukasz Migdał (2020). **The chemical composition and quality of traditionally smoked Polish regional products, produced from of raw material obtained from native animal breed.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 12-21.*
3. Vladimira Gančovska, Angel Danev, Atanaska Bosakova-Ardenska, Petar Panayotov, Lena Kostadinova-Georgieva, Petya Boyanova (2020). **Application of thresholding algorithms in blue cheese cut surface evaluation.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 22-27.*
4. Asiat M. Abdullaeva, Larisa P. Blinkova, Boris V. Usha, Cholponkul K. Avylov, Yury D. Pakhomov, Rumiya K. Valitova, Tatiana A. Pershina, Daria B. Mitrofanova (2020). **Bacteriophages and bactericins as anti-contaminants of chicken meat products.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 28-33.*
5. Vezirka Jankuloska, Gorica Pavlovska, Ilija Karov (2020). **Assessment of adults and children exposure to pesticide residues through apple consumption.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 34-40.*
6. Dragos Mihai Lapusneanu, Daniel Simeanu, Cristina Radu-Rusu, Cecilia Pop, Alina Narcisa Postolache, Ioan Mircea Pop (2020). **Case study on the prevention and control of mycotoxin contamination in a feed mill unit.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 41-47.*
7. Krassimir Kolev, Rositsa Maksimova (2020). **Novel techniques for food traceability system.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 48-54.*
8. Rozana Troja, Erjon Troja, Orkida Shuaipi, Ranela Ceci, Elena Muca, Eltion Dhamo (2020). **Assessment of the microbiological profile of the foods of pediatric age.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 55-64.*
9. Yulian Tumbarski, Desislava Pashova, Nadezhda Petkova, Ivan Ivanov, Ivelina Deseva, Dasha Mihaylova (2021). **Effects of a bacteriocin of *Bacillus methylotrophicus* strain BM47 and pasteurization on the storage life of fresh tomato juice.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 65-75.*

10. Olga Jokanović, Božidarka Marković, Jelena Miočinović, Slavko Mirecki (2020). **Technology and quality of Kučki cheese - traditional Montenegrin brined cheese.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 76-84.*

FOOD PRODUCTION AND PROCESSING

1. Samir Gharib Hafizov, Gharib Kerim Hafizov (2020). **Effect of heat treatment and pH factor on phenolic components of pomegranate juice.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 87-94.*
2. Vladimir Kaishev, Marina Litvinova, Madina Chikatueva, Elena Abakumova, Andrey Khramtsov (2020). **Study of the possibility of creating milk baths with phytomineral complex and hair shampoo based on hydrolyzed whey.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 95-100.*
3. Ivelina Ivanova, Milena Dimitrova, Galin Ivanov (2020). **Antioxidant capacity of yoghurt fortified with polyphenol extract from strawberry pomace.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 101-107.*
4. Raquel P. F. Guiné, Manuela Ferreira, Paula Correia, Elena Bartkiene, Viktória Szűcs, Monica Tarcea, Jasmina Ranilović, Maša Černelič-Bizjak, Kathy Isoldi, Ayman EL-Kenawy, Vanessa Ferreira, Dace Klava, Małgorzata Korzeniowska, Elena Vittadini, Marcela Leal, Lucia Frez-Muñoz, Maria Papageorgiou, Ilija Djekić (2020). **Analysis of food buying behavior: A multinational study framework.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 108-119.*
5. Ivanka Petrova, Nadezhda Petkova, Ivan Ivanov, Mina Todorova, Manol Ognyanov, Tatyana Bileva, Dimka Haytova (2020). **Bioactive compounds and antioxidant activity of extracts from edible flowers of *Punica granatum* and *Citrus aurantium*.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 120-129.*
6. Irina Timoshenkova, Natalia Barsukova, Elena Moskvicheva, Tatiana Pilipenko, Nadezhda Zhilinskaya, Evgeniy Irishkin, Aleksandr Moskvichev (2020). **Use of hemp flour for the production of gluten-free confectionery.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 130-137.*
7. Jonida Canaj, Amilda Ballata, Laura Shabani, Rozana Troja (2020). **Study of some physico-chemical and microbiological parameters of waste water in food industry.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 138-143.*
8. Natalija Uršulin-Trstenjak, Nives Pužaj, Melita Sajko, Zrinka Mach, Bojan Šarkanj (2020). **The health function of people with diabetes mellitus due to their diet.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 144-151.*
9. Raquel P. F. Guiné, Edite Teixeira-Lemos, Paulo Ribeiro, Marina Ferreira, Ana Margarida Oliveira, Ana Rita Teixeira, Beatriz Castro, Rute Rodrigues, Samuel Santos, Adriana Rodrigues, Andreia Santos (2020). **Development and characterization of a ewe's creamy cheese with aromatic plants.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 152-161.*

10. Valentina Dobрева, Rajna Hadjikinova, Ivanka Petrova, Georgi Dobrev, Mima Hadjikinova (2020). **Effect of maltitol on technological characteristics of pastry creams with low sugar content.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 162-168.*
11. Lidia G. Stoyanova, Helen V. Semenova (2020). **Improving training in food microbiology.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 169-175.*
12. Lalka Rangelova, Vesselka Duleva, Stefka Petrova (2020). **Legislative measures to improve the nutrition of children from kindergartens in Bulgaria.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 176-179.*
13. Hristina Panajotova, Valentina Dobрева, Boriana Zhekova, Georgi Dobrev (2020). **Immobilization of lipase produced by *Rhizopus arrhizus* on chitosan coated polygalacturonic acid beads.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 180-189.*
14. Maša Knez Hrnčič, Dragana Borjan, Taja Žitek, Andrej Golle, Željko Knez (2020). **Antimicrobial and antioxidant properties of *Origanum vulgare* extracts.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 190-194.*
15. Nadya Bozakova (2020). **Oxidative and ethological indicators in hens with vitamin C and zinc supplementation during a hot period.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 195-201.*
16. Rolandas Drejeris, Jan Zukovskis (2020). **New approach to a modeling of actions for new dietary meals creation.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 202-209.*
17. Valentina Dobрева, Boriana Zhekova, Anelia Hambarliiska, Georgi Dobrev (2020). **Purification and characterization of extracellular lipase produced on solid state fermentation by *Rhizopus arrhizus*.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 210-218.*
18. Sergey Babenyshev, Dmitriy Mamay, Andrey Bratsikhin, Alexandr Borisenko, Angelina Mamay, Sholpan Amanova (2020). **Ultrafiltration of cottage cheese whey for cleaning of nitrogenous substances.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 219-224.*
19. Tatiana Dumitra Panaite, Mihaela Saracila, Cristina Soica, Cristina Tabuc, Alexandru Vlaicu, Margareta Olteanu, Raluca Turcu (2020). **Effect of the inclusion of grape seed oil in broiler diet on the intestinal microflora balance.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 225-232.*
20. Oksana Zghurska (2020). **Strategic innovative benchmarks of Ukrainian agro-industrial enterprises in the conditions of information society.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 233-242.*
21. Sergey Babenyshev, Dmitriy Mamay, Andrey Bratsikhin, Alexandr Borisenko, Angelina Mamay, Sholpan Amanova (2020). **Concentration of cottage cheese whey permeate by nanofiltration.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 243-248.*

22. Yaroslava Larina, Julia Gajchynska, Oleksandr Popov (2020). **Development of egg market in Ukraine: Evaluation, forecasting and marketing solutions.** *Journal of Hygienic Engineering and Design, Vol. 33, pp. 249-259.*

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HYGIENIC ENGINEERING AND DESIGN

1. Jedsada Chaishome, Teerawat Nunak, Yutthapong Tuppadung, Taweeapol Suesut, Navaphattra Nunak (2020). **An investigation of oil residue on surface by infrared thermography.** *Journal of Hygienic Engineering and Design, Vol. 32, pp. 3-7.*

FOOD QUALITY AND SAFETY

1. Olena Sokolovska, Olena Skyrda, Olga Chatchenko, Tetiana Letuta, Havrysh Andrii (2020). **Scientific foundations of the integrated use of sweeteners and iodine-containing raw materials in confectionery technology.** *Journal of Hygienic Engineering and Design, Vol. 32, pp. 11-16.*
2. Olena Grek, Tetiana Pshenychna, Sergii Tsygankov, Oleksandr Savchenko, Olena Ochkolyaslana Ochkolyas (2020). **Fat effect of standardized milk on qualimetric indicators of protein-blueberry concentrates.** *Journal of Hygienic Engineering and Design, Vol. 32, pp. 17-22.*
3. Khaoula Bendahbia, Zakaria Abidli, Lemiae Zaazaa, Soumaia Hmimou, Sara Boukhorb, Sara Jadda, Amal Haimer, Abdelrhani Mokhtari, Abdelmajid Soulaymani, Abderrazak Khadmaoui (2020). **Antimicrobial activity of thyme honey from Morocco against pathogenic bacteria.** *Journal of Hygienic Engineering and Design, Vol. 32, pp. 23-27.*
4. Galin Ivanov, Ertugrul Bilgucu, Ivelina Ivanova, Milena Dimitrova (2020). **Effect of somatic cells count of raw milk on the carbonyl compounds and low molecular weight fatty acids formation in ayran.** *Journal of Hygienic Engineering and Design, Vol. 32, pp. 28-32.*
5. Naeem Ullah Khan, Fahad Hassan, Farah Deeba, Hafsa Yamin, Sohaib Afzaal (2020). **Critical analyses of laws relating to the management of food safety in Pakistan and way forward.** *Journal of Hygienic Engineering and Design, Vol. 32, pp. 33-40.*

FOOD PRODUCTION AND PROCESSING

1. Olena Boiko, Nataliia Vasiutkina, Oksana Kondratiuk, Iryna Stoianenko (2020). **Innovative initiatives of development of Ukrainian and South Korea industries in the period of globalization challenges.** *Journal of Hygienic Engineering and Design, Vol. 32, pp. 43-53.*

2. Klodiola Dharmo, Rezarta Shkreli, Amilda Ballata (2020). **Fatty acid profiles and their nutritional values in human milk and infant formula.** *Journal of Hygienic Engineering and Design, Vol. 32, pp. 54-58.*
3. Tihana Sudarić, Krunoslav Zmaić, Tihomir Živić (2020). **Regional competitiveness index - the case of Croatia.** *Journal of Hygienic Engineering and Design, Vol. 32, pp. 59-68.*
4. Julia Bazarnova, Irina Timoshenkova, Svetlana Eliseeva, Svetlana Nesmelova, Sandra Muizniece-Brasava (2020). **Recycling of secondary salmon fish processing waste.** *Journal of Hygienic Engineering and Design, Vol. 32, pp. 69-73.*
5. Olena Boiko, Nataliia Vasiutkina, Oksana Kondratiuk, Iryna Stoianenko (2020). **Ukrainian-Chinese cooperation of industrial enterprises on innovative principles.** *Journal of Hygienic Engineering and Design, Vol. 32, pp. 74-89.*
6. Vesna Gojković Cvjetković, Radoslav Grujić, Željka Marjanović-Balaban (2020). **Chromatographic separation of glutenin with high molecular weight from wheat flour.** *Journal of Hygienic Engineering and Design, Vol. 32, pp. 90-99.*
7. Eleanora Zabarna, Tetiana Averikhina (2020). **The infrastructural vector development of Odessa in the coordinates of activation of tourism entrepreneurship.** *Journal of Hygienic Engineering and Design, Vol. 32, pp. 100-105.*
8. Nataliia Vasiutkina, Oleksandr Lazebnyk (2020). **Research of bottled water consumers' behaviour in Europe and Ukraine considering current economic and environmental conditions.** *Journal of Hygienic Engineering and Design, Vol. 32, pp. 106-113.*
9. Gregorij Deynichenko, Inna Zolotukhina, Dmytro Dmytrevskiy, Vitalii Chervonyi, Dmytro Horielkov, Vasyl Guzenko, Kateryna Sefikhanova (2020). **Study of the water state and phase transitions of liquid in milk-protein semi-finished products below 0 0C.** *Journal of Hygienic Engineering and Design, Vol. 32, pp. 114-119.*
10. Ivelina Deseva, Elena Koleva, Dasha Mihaylova (2020). **HPLC determination of twelve polyphenols: Application in wine analysis.** *Journal of Hygienic Engineering and Design, Vol. 32, pp. 120-126.*

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FOOD QUALITY AND SAFETY

1. Antonina Dubinina, Galina Selyutina, Tatyana Shcherbakova, Tatyana Letuta, Inna Belyayeva, Yuriy Khatskevych, Tatyana Popova, Tatyana Frolova, Valentyna Afanasieva (2020). **The effect of technological parameters on low-salted cucumbers color change under using low-temperature non-brine process of manufacture.** *Journal of Hygienic Engineering and Design, Vol. 31, pp. 3-7.*
2. Esra Tunçer, Aylin Bayindir Gümüş, Alev Keser (2020). **The assessment of nutritional values of jarred baby foods sold in supermarket in Turkey according to food label.** *Journal of Hygienic Engineering and Design, Vol. 31, pp. 8-13.*
3. Mara Mustapić, Sejad Mačkić, Nihada Ahmetović, Amra Čolić, Amela Semić, Azra Hodžić, Altaira Jažić-Durmišević (2020). **Implementation of HACCP system in hotels in the area of Split-Dalmatia county.** *Journal of Hygienic Engineering and Design, Vol. 31, pp. 14-18.*
4. Hasime Manaj, Anisa Dhroso, Rozana Troja, Ilirjan Malollari (2020). **Study of rheological properties of red wines under the heating effect.** *Journal of Hygienic Engineering and Design, Vol. 31, pp. 19-23.*
5. Karina Ilona Hidas, Csaba Németh, Judit Csonka, Anna Visy, László Friedrich, Ildikó Csilla Zeke (2020). **How does freezing in liquid nitrogen influence the reological properties of liquid egg products?** *Journal of Hygienic Engineering and Design, Vol. 31, pp. 24-30.*
6. Hristo Spasov, Valentina Dobрева, Iavor Tchobanov, Georgi Dobrev (2020). **Study of ethanol, sugar and potassium sorbate effects on *Bretanomyces intermedius* growth in white wine using response surface methodology.** *Journal of Hygienic Engineering and Design, Vol. 31, 31-36.*
7. Iryna Kyryliuk, Yevhenii Kyryliuk, Alina Proshchalykina, Sergiy Sardak (2020). **Socio-economic factors of providing quality of livestock products in Ukraine.** *Journal of Hygienic Engineering and Design, Vol. 31, pp. 37-47.*
8. Anisa Dhroso, Hasime Manaj, Elena Muca, Rozana Troja, Ilirjan Malollari (2020). **Study of physico-chemical and sensory properties of red wines from black grapes (*Vitis vinifera* L.) In different areas of Albania.** *Journal of Hygienic Engineering and Design, Vol. 31, pp. 48-52.*

9. Dilyana Gradinarska-Ivanova, Daniela Mitreva, Petya Hadzhiyska, Katya Valkova-Yorgova, Ivelina Ivanova (2020). **Evolution of safety and quality aspects of dry-cured ham during aging under natural climatic conditions.** *Journal of Hygienic Engineering and Design, Vol. 31, 53-60.*

FOOD PRODUCTION AND PROCESSING

1. Sergey P. Babenyshev, Andrey A. Bratsikhin, Vladimir E. Zhidkov, Dmitriy S. Mamay, Muhamadjon Nurullo, Dmitriy S. Khokha (2020). **Research of the secondary milk raw materials purification from protein components by natural polysaccharides.** *Journal of Hygienic Engineering and Design, Vol. 31, pp. 63-68.*
2. Vesna Bogdanovska Mircheska, Ljubica Karakashova, Natasha Ristovska, Biljana Noveska Petrovska, Zoran Karatashev (2020). **Lycopene and its antioxidant properties in the prevention of chronic illnesses and cancer.** *Journal of Hygienic Engineering and Design, Vol. 31, pp. 69-72.*
3. Aylin Bayindir-Gümüş, Esra Tunçer, Alev Keser (2020). **Health and nutrition literacy levels affect diabetes mellitus management.** *Journal of Hygienic Engineering and Design, Vol. 31, pp. 73-81.*
4. Georgi Dobrev, Boriana Zhekova, Valentina Dobрева (2020). **Purification and characterization of extracellular β -xylosidase produced by *Aspergillus niger* B03.** *Journal of Hygienic Engineering and Design, Vol. 31, pp. 82-87.*
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- Food Quality and Safety
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2. Katya Velichkova, Ivaylo Sirakov (2019). **The effect of diet supplemented with *Lemna minuta* Kunth extract on technological parameters, blood parameters and meat quality in rainbow trout (*Oncorhynchus mykiss* W.) cultivated in aquaponic recirculation system.** *Journal of Hygienic Engineering and Design, Vol. 28, pp. 22-27.*
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HYGIENIC ENGINEERING AND DESIGN

1. Andrey Vladimirovich Blinov, Andrew Georgievich Khramtsov, Anastasia Alexandrovna Blinova, Alexander Vladimirovich Serov, Konstantin Vasilevich Kostenko, Alexander Alexandrovich Kravtsov, Julia Jurevna Snezhkova (2019). **Detergent-disinfectant agent based on colloidal silver stabilized by quaternary ammonium compounds for the dairy industry.** *Journal of Hygienic Engineering and Design, Vol. 27, pp. 3-11.*

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Journal sections:

- Hygienic Engineering and Design
- Food Quality and Safety
- Food Production and Processing

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3. Vegim Zhaku, Sheqibe Beadini, Nexhbedin Beadini, Besir Murtezan (2019). **Combination of Maca, Korean ginseng extract and antioxidant therapy for male with oligoasthenozoospermia: Case study**. *Journal of Hygienic Engineering and Design, Vol. 26, pp. 28-35.*
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2. Veronika Majova, Michal Jablonsky, Andrea Skulcova, Katarina Ondrigova (2019). **Delignification of pulp with two ternary deep eutectic solvents: urea-acetamide-glycerol and malic acid-proline-lactic acid.** *Journal of Hygienic Engineering and Design, Vol. 26, pp. 76-80.*
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7. Silvana Pasovska, Trajko Miceski (2019). **Tobacco production and some of its positive and negative effects.** *Journal of Hygienic Engineering and Design, Vol. 26, pp. 105-112.*
8. Rozana Troja, Majlinda Vasjari, Alda Kika (2019). **The implementation of “NETCHEM” platform and Open Educational Resources (OER) in food sciences.** *Journal of Hygienic Engineering and Design, Vol. 26, pp. 113-117.*
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Journal sections:

- Food Quality and Safety
- Food Production and Processing

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2. Milkica Grabež, Vesna Rudic Grujic, Nihada Ahmetovic, Budimka Novaković (2018). **Sodium content and the most important dietary sources of sodium in a sample of student population.** *Journal of Hygienic Engineering and Design, Vol. 25, pp. 44-48.*

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4. Gordana Šebek (2018). **Chemical and pomological characteristics of fruit of some commercial pear cultivars grown in conditions of Bjelo Polje.** *Journal of Hygienic Engineering and Design, Vol. 25, pp. 56-61.*
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6. Petra Strizincova, Ales Haz, Alexandra Sladkova, Igor Šurina (2018). **Total phenolic content in spruce bark.** *Journal of Hygienic Engineering and Design, Vol. 25, pp. 69-74.*
7. Andrea Škulcová, Michal Jablonsky (2018). **Properties and thermal behavior of deep eutectic solvents based lactic acid.** *Journal of Hygienic Engineering and Design, Vol. 25, pp. 75-80.*
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9. Mirjana Bojanić Rašović (2018). **The importance of transmission tick-borne encephalitis through milk of infected animals.** *Journal of Hygienic Engineering and Design, Vol. 25, pp. 87-90.*
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Journal sections:

- Hygienic Engineering and Design
- Food Quality and Safety
- Food Production and Processing

HYGIENIC ENGINEERING AND DESIGN

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1. Alena Hejtmánková, Tereza Michlová, Hedvika Dragounová, Nela Maroušková, Magdaléna Bártová (2018). **Influence of somatic cell count on Cl, Na and K content in small ruminant milk.** *Journal of Hygienic Engineering and Design, Vol. 24, pp. 11-20.*
2. Ajda Moškrič, Jernej Bubnič, Maja Ivana Smodiš Škerl, Janez Prešern (2018). **Potential positive effects of hop beta acids on parasitic mite Varroa destructor control in honey bee colonies.** *Journal of Hygienic Engineering and Design, Vol. 24, pp. 21-28.*

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2. Judit Csonka, László Friedrich, Klára Pásztor-Huszár, Anna Visy, Karina Hidas, Ildikó Zeke (2018). **Suggestions on further development of high-protein egg-based sweet pies.** *Journal of Hygienic Engineering and Design, Vol. 24, pp. 39-43.*
3. Natalija Uršulin-Trstenjak, Nives Kosalec, Davor Levanić (2018). **Complementary feeding of infants in northwest Croatia.** *Journal of Hygienic Engineering and Design, Vol. 24, pp. 44-54.*
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9. Zuzana Sztankoova, Jana Rychtarova, Marketa Borkova, Alena Svitakova, Michal Milerski (2018). **Polymorphism and association of the FASN gene with milk production traits in Czech sheep population.** *Journal of Hygienic Engineering and Design, Vol. 24, pp. 84-89.*
10. Jelena Jovanović, Andrea Stefanović, Nataša Šekuljica, Zorica Knežević-Jugović (2018). **Production of wheat gluten hydrolysates with improved functional properties: Optimization of operating parameters by statistical design.** *Journal of Hygienic Engineering and Design, Vol. 24, pp. 90-100.*

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Journal sections:

- Hygienic Engineering and Design
- Food Quality and Safety
- Food Production and Processing

HYGIENIC ENGINEERING AND DESIGN

1. Biljana Gorgeska, Andonela Janeva, Ivana Iceva, Dino Karpicarov, Antonela Velkova, Viktorija Krzovska, Ana Dimitrova, Natali Delipetrova (2018). **Structure and physicochemical properties of antiseptics and disinfectants in relation to their activity.** *Journal of Hygienic Engineering and Design, Vol. 23, pp. 3-7.*
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3. Tuomo Eskelinen, Anna-Maria Saarela, Johanna Kantala (2018). **Innovation process to design new staff restaurant services.** *Journal of Hygienic Engineering and Design, Vol. 23, pp. 25-29.*
4. Valeria Gagliu (2018). **Triticale crop and contamination with mycotoxins under the influence of climate change - global study.** *Journal of Hygienic Engineering and Design, Vol. 23, pp. 30-45.*
5. Brane Novakovic, Radoslav Grujic (2018). **The specifics of the insurance system to protect food from intentional contamination in the production of powdered food products.** *Journal of Hygienic Engineering and Design, Vol. 23, pp. 46-53.*

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2. Dasha Mihaylova, Aneta Popova (2018). **Non-traditional grains for a balanced diet.** *Journal of Hygienic Engineering and Design, Vol. 23, pp. 64-71.*
3. Fani Gulevska, Sasko Martinovski (2018). **Nutritive marketing and analysis of consumption behaviour for honey.** *Journal of Hygienic Engineering and Design, Vol. 23, pp. 72-80.*
4. Zora Uzunoska, Tatjana Kalevska, Viktorija Stamatovska, Katerina Belichovska, Daniela Belichovska, Daniela Nikolovska Nedelkoska, Tatjana Blazevska (2018). **Vegetable consumption and bone mineral density in females.** *Journal of Hygienic Engineering and Design, Vol. 23, pp. 81-90.*
5. Ewa Błaszczyk-Bębenek, Paweł Jagielski, Małgorzata Schlegel-Zawadzka (2018). **Characteristics of energy drink consumption among adolescents from southern Poland.** *Journal of Hygienic Engineering and Design, Vol. 23, pp. 91-98.*
6. Januz Duraj, Vangjel Ceroni (2018). **Biochemical indicators in serum influenced by the downer syndrome in dairy cows.** *Journal of Hygienic Engineering and Design, Vol. 23, pp. 99-102.*
7. Gordana Šebek (2018). **Privilege of selected biotypes of wild apples (*Malus sylvestris* Miller) for the production of generative rootstocks.** *Journal of Hygienic Engineering and Design, Vol. 23, pp. 103-113.*
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Journal sections:

- Hygienic Engineering and Design
- Food Quality and Safety
- Food Production and Processing

HYGIENIC ENGINEERING AND DESIGN

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2. Rreze Gecaj, Bajram Berisha, Flutura Ajazi, Skënder Muji (2018). **Detection of ingredients in salami and sausages from different brands sold in Kosovo market by PCR.** *Journal of Hygienic Engineering and Design, Vol. 22, pp. 18-24.*
3. Gjore Nakov, Viktorija Stamatovska, Nastia Ivanova, Stanka Damyanova, Tzonka Godjevargova, Daliborka Koceva Komlenić (2018). **Physicochemical characteristics of functional biscuits and *in vivo* determination of glucose in blood after consumption of functional biscuits.** *Journal of Hygienic Engineering and Design, Vol. 22, pp. 25-32.*
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1. Igor Penkov (2018). **Intelligent system and equipment for greenhouses monitoring.** *Journal of Hygienic Engineering and Design, Vol. 22, pp. 41-46.*
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6. Ales Haz, Michal Jablonsky, Veronika Majova, Andrea Skulcova, Petra Strizincova (2018). **Comparison of different extraction methods for the extraction of total phenolic compounds from spruce bark.** *Journal of Hygienic Engineering and Design, Vol. 22, pp. 72-75.*
7. Michal Jablonsky, Veronika Majova, Andrea Skulcova, Ales Haz (2018). **Delignification of pulp using deep eutectic solvents.** *Journal of Hygienic Engineering and Design, Vol. 22, pp. 76-81.*

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Journal sections:

- Hygienic Engineering and Design
- Food Quality and Safety
- Food Production and Processing

HYGIENIC ENGINEERING AND DESIGN

1. Lars Andre Langoeyli Giske, Ola Jon Mork, Emil Bjoerlykhaug (2017). **Improving cleanability by innovating design.** *Journal of Hygienic Engineering and Design, Vol. 21, pp. 3-9.*

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FOOD PRODUCTION AND PROCESSING

1. Alexander Bavyko (2017). **Nutritional value and safety of aquaculture products in Ukraine.** *Journal of Hygienic Engineering and Design, Vol. 21, pp. 41-49.*
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6. Olena Fomina, Olena Zyza (2017). **Economic behavior and environmental ethics in the context of sustainable development.** *Journal of Hygienic Engineering and Design, Vol. 21, pp. 77-82.*
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8. Gjore Nakov, Daliborka Koceva Komlenić, Viktorija Stamatovska, Ana Šušak, Marko Jukić (2017). **Influence on time of baking and different role of barley flour on the colour of the biscuits.** *Journal of Hygienic Engineering and Design, Vol. 21, pp. 90-95.*
9. Svitlana Yermak (2017). **Problems of innovative activity development at food industry enterprises of Ukraine.** *Journal of Hygienic Engineering and Design, Vol. 21, pp. 96-102.*
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Journal sections:

- Hygienic Engineering and Design
- Food Quality and Safety
- Food Production and Processing

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- Food Quality and Safety
- Food Production and Processing

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FOOD QUALITY AND SAFETY

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Journal sections:

- Hygienic Engineering and Design
- Food Quality and Safety
- Food Production and Processing

HYGIENIC ENGINEERING AND DESIGN

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Journal sections:

- Hygienic Engineering and Design
- Food Quality and Safety
- Food Production and Processing

HYGIENIC ENGINEERING AND DESIGN

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FOOD QUALITY AND SAFETY

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Journal sections:

- Hygienic Engineering and Design
- Food Quality and Safety
- Food Production and Processing

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FOOD PRODUCTION AND PROCESSING

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- Hygienic Engineering and Design
- Food Quality and Safety
- Food Production and Processing

HYGIENIC ENGINEERING AND DESIGN

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Journal sections:

- Hygienic Engineering and Design
- Food Quality and Safety
- Food Production and Processing

HYGIENIC ENGINEERING AND DESIGN

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1. Biljana Curcic-Trajkovska, Dzengis Jashar (2016). **Our food and the accompanying person(s).** *Journal of Hygienic Engineering and Design, Vol. 14, pp. 13-18.*
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Journal sections:

- Food Quality and Safety
- Food Production and Processing

FOOD QUALITY AND SAFETY

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3. Suzana Stojanovska, Julijana Tomovska (2015). **Factors influence to formation of acrylamide in food.** *Journal of Hygienic Engineering and Design, Vol. 13, pp. 10-15.*
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- Food Production and Processing

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- Food Quality and Safety
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- Hygienic Engineering and Design
- Food Quality and Safety
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Journal sections:

- Hygienic Engineering and Design
- Food Quality and Safety
- Food Production and Processing

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2. Frank Moerman (2014). **Antimicrobial materials, coatings and biomimetic surfaces with modified microtopography to control microbial fouling of product contact surfaces within food processing equipment: Legislation, requirements, effectiveness and challenges.** *Journal of Hygienic Engineering and Design, Vol. 7, pp. 8-29.*
3. Tadeusz Matuszek (2014). **Equipment surfaces preparation vs. Food structure.** *Journal of Hygienic Engineering and Design, Vol. 7, pp. 30-33.*

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