

Journal of Hygienic Engineering and Design – Volume 41

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HYGIENIC ENGINEERING AND DESIGN

1. Albana Jano, Valbona Hoxha, Alketa Lame, Efrosini Kokalari (2022). **Test of inhibition efficiency of pineapple crown extract as green inhibitor for two kinds of low alloy carbon steel in acidic media.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 3-7.*

FOOD QUALITY AND SAFETY

1. Tatjana Pavlova, Zlatin Zlatev, Marija Menkinoska, Tatjana Blazevska, Zora Uzunoska (2022). **Nutritional status and lifestyle as factors for obesity and malnutrition in adolescents in Macedonia.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 11-22.*
2. Katarína Fatrcova-Sramkova, Tunde Jurikova, Marianna Schwarzova (2022). **Changes in selected health and nutritional parameters of preschool aged children influenced by the Covid-19 pandemic.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 23-30.*
3. Asiat M. Abdullaeva, Larisa P. Blinkova, Yury D. Pakhomov, Rumiya K. Valitova, Tatiana A. Karachina, Yuliya V. Ambrazheevich, Valentina G. Lobanova (2022). **The use of retrospective analysis of microbial poultry products contamination and detection of viable non-culturable bacterial contaminants for food infection combating.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 31-38.*
4. Vladimir Andreevski, Petar Damceski, Stefan Pejkovski (2022). **Pulmonary cachexia - A review of malnutrition in patients with advanced lung diseases and strategies for diet therapy.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 39-57.*
5. Monika Cukovic, Natalija Ursulin-Trstenjak, Valentina Novak, Ivana Herak, Dean Salamon (2022). **Information of the general population about blood type diet in the field Republic of Croatia.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 58-63.*
6. Maryna Mardar (2022). **Design and development of consumer-oriented products through the method of quality function deployment.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 64-70.*
7. David Vitez, Natalija Uršulin-Trstenjak, Melita Sajko, Damir Poljak, Ivana Doldek Šarkanj (2022). **Application of NRS 2002 method in nutritional risk assessment of elderly patients hospitalized in Varaždin general hospital.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 71-75.*

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8. Larisa Bal-Prylypko, Mykola Nikolaenko, Marija Zheplinska, Volodymyr Vasylyv, Mikhailo Mushtruk (2022). **Comparative data on the content of harmful impurities in honey on the example of Ukrainian standards and foreign documents.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 76-83.*
9. Matus Kysel, Silvia Farkasova, Veronika Stefunova, Lucia Zelenakova, Jana Ziarovska (2022). **Investigation of qualitative indicators of a functional creamy vegetable spread during storage.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 84-89.*
10. Fidan Feka, Smajl Rizani, Agran Halimi, Suzana Aliu, Pajtim Bytyci (2022). **The role of temperature in the sustainability of packaged potato products.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 90-92.*
11. Petra Vadovicova, Katarína Fatrcova-Sramkova, Marianna Schwarzova (2022). **Eating habits of adults in Slovakia during the Covid-19 pandemic.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 93-102.*
12. Endrit Hasani, Barbara Csehi, Adrienn Toth, Istvan Dalmadi, Gyorgy Kenesei (2022). **Development of innovative hurdle systems using minimal processing techniques for meat preservation.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 103-111.*
13. Zainab Hassan Abdul Hussein Al-Zarfy, Dhia Ibrahim Jerro Al-Bedrani (2022). **Study the effect of adding Arabic gum as a fat replacer on quality characteristics of low-fat processed cheeses.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 112-119.*
14. Indrit Loshi, Valon Shala, Astrit Bilalli, Burel Cenaj (2022). **Consumption of fast-acting carbohydrates and their impact on the diet of different age groups in the Peja region.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 120-123.*
15. Sergei Kalachev, Irina Makhotina, Anna Plakhotnik, Yuri Belkin, Assel Izembayeva (2022). **The role of drinking water in the human diet and the quality of bottled drinking water.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 124-135.*
16. Arianeta Nura, Emine Daci Zejnnullahi, Luljeta Ajdini, Suzana Aliu (2022). **Determining the safety and quality of packaging in soft drinks based on microbiological indicators and the impact on the economic cost.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 136-140.*
17. Sonila Duka, Loreta Vallja, Majlinda Vasjari, Alma Shehu, Nevila Broli (2022). **Nitrates levels in commercial bottled drinking water of Tirana, Albania and human health risks.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 141-148.*
18. Romina Koto, Luziana Hoxha, Irena Duka, Doriana Bode Xhulaj, Mirela Lita (2022). **Water quality and heavy metals content of Erzeni River in Albania.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 149-155.*
19. Albana Tahiri, Gilberta Hadaj (2022). **Innovation, education and knowledge transfer, through language components on extracurricular projects, in preschool education, for maintaining public health and nutrition.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 156-161.*
20. Romina Koto, Luziana Hoxha, Aida Bani (2022). **Analysis of water quality, heavy metals and nutrient of Karavasta lagoon using gis assessment of ecological risk.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 162-169.*

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21. Majlinda Sana, Abdyl Sinani, Gafur Xhabiri (2022). **The water quality of some sources in Albania and their influence on the dough rheology.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 170-175.*

FOOD PRODUCTION AND PROCESSING

1. Marianna Schwarzova, Katarina Fatrcova-Sramkova, Tunde Jurikova (2022). **Consequences of the Covid-19 pandemic on the eating habits of school-aged children in Slovakia.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 179-189.*
2. Inna Salo, Svitlana Cheremisina, Volodymyr Rossokha, Marina Mohilova, Natalia Romanchenko (2022). **The formation of effective demand in the food market of Ukraine.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 190-197.*
3. Kimete Lluga-Rizani, Smajl Rizani, Vanesa Pajaziti, Sonata Kazlauskaite (2022). **Morphological variability of *Primula veris* L. (*Primulaceae*) plant species.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 198-202.*
4. Njazi Bytyqi, Attila Bai, Balogh Péter, Eroida Mehaj, Ardit Sertolli (2022). **Analysis of consumers' preferences for local cheese in Kosovo applying conjoint choice analysis.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 203-210.*
5. Inna Irtysheva, Anatoly Nosar, Yevheniia Boiko, Marianna Stehnei, Iryna Kramarenko, Kostyantyn Zavhorodnij (2022). **The multiplier effect of investment and innovation support for the development of transport and logistics systems: Foreign experience and practice for Ukraine.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 211-219.*
6. Elena Eftimova, Nikola Pacinovski, Natasha Mateva (2022). **Ovchepolian sheep - Bred in Macedonia.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 220-225.*
7. Marietta A. Aslanova, Olga K. Derevitskaya, Anna L. Bero, Natalya E. Soldatova (2022). **Antioxidant activity of functional ready-to-eat products for cancer patients.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 226-231.*
8. Rita Loloci, Ornedá Gega, Menada Petro (2022). **The role of the school psychologist during the pandemic period.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 232-239.*
9. Miroslav Juracek, Maria Kaluzova, Daniel Biro, Branislav Galik, Milan Simko, Michal Rolinec, Ondrej Hanusovsky, Eva Mixtajova, Stanislava Drotarova (2022). **Fermentation quality of rye silage after microbial additive supplementation.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 240-244.*
10. Kseniia Sieriebriak, Olexander Krasnoshtan, Svitlana Bebko, Anna Kononenko, Olha Batrak, Pavlo Dudko, Roman Kozhushko, Olena Palchuk (2022). **Financial planning of innovative entrepreneurs in the system of institutional environment and public administration.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 245-254.*
11. Manjola Kulici, Lejla Shehu, Kristaq Kume, Arbenita Hasani (2022). **Local differentiation of Albanian honeybee populations during different periods.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 255-259.*

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12. Antonina Verhun, Olena Lozhachevska, Maksym Mishchenko, Olena Budiakova, Stefania Vyshnevskaya, Alla Ivanyshyn, Viktoriia Skrypnik (2022). **Management of logistics design of secure development of innovative industrial, agricultural and tourist enterprises in the conditions of martial law.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 260-273.*
13. Galiya Hristova, Petya Veleva (2022). **Investigation of essential oil extraction from lavender (*Seuthopolis* variety) by hydrodistillation according to the process duration.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 274-277.*
14. Amal Sabbar Abdul-Hussien Alzamili, Dhia Ibrahim Jerro Al-Bedrani (2022). **Study the impact of adding xanthan gum as a fat replacer on the quality characteristics of low-fat Oshari-like cheese.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 278-287.*
15. Luziana Hoxha, Romina Koto (2022). **Principal component analysis (PCA) of physico-chemical characteristics in different native Albanian fig varieties (*Ficus carica* L.).** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 288-296.*
16. Oksana Zghurska, Lina Melnichuk, Yaroslava Larina, Tetiana Somkina, Ulia Remez, Kalyna Lutsii, Hennadii Khmurkovskiy, Inna Basha, Olena Shaporenko (2022). **Multifactorial forecast modeling of agro-industrial enterprises' profitability in the process of implementing diversification strategies.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 297-304.*
17. Smajl Rizani, Ismet Babaj, Kimete Lluga - Rizani, Berat Durmishi (2022). **The impact of grafted seedlings on the yield and fruit quality of pepper Somborka cultivar (*Capsicum annuum* L.) Under common open field conditions.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 305-308.*
18. Dijana Blazhekovikj - Dimovska, Stojmir Stojanovski (2022). **Distribution of *Argulus foliaceus* (Crustacea, Argulidae) in fish from Macedonian waters.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 309-313.*
19. Petra Vadovicova, Katarína Fatrcova-Sramkova, Marianna Schwarzova (2022). **Eating habits of adults in Slovakia during the Covid-19 pandemic.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 314-323.*
20. Svetlana Panasenko, Elena Kravchenko, Oksana Karashchuk, Anastasiya Boykova, Anastasiya Nikanorova (2022). **Patterns and models of different generations' consumer preferences when choosing food.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 324-338.*
21. Ristina Siti Sundari, Reny Hidayati, Farhan Ahmad, Rilla Tresnadola Tarigan (2022). **Consumer behavior in consuming original catfish shredded as nutritious processed fish.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 339-345.*
22. Taliat Bielialov (2022). **Optimization of innovation processes at industrial enterprises under the conditions of the martial law.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 346-354.*
23. Ehsan ul Haque, Sohaib Afzaal, Asim Parvez, Muhammad Shakeel Hanif, Akbar Hayat, Tehseen Ashraf, Fiaz Hussain, Imtiaz Ahmad Warraich, Faraz Ahmad, Muhammad Asim (2022). **Post-harvest diseases, disorders and blemishes of kinnow (*Citrus reticulata* Blanco); their control and management strategies.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 355-362.*

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24. Svitlana Sytniakivska, Nataliia Seiko, Nadiia Pavlyk, Tetiana Borovyk, Nadiia Yurkiv, Serhii Tereshchenko, Ilona Rozhko (2022). **Methods of evaluation of the latest educational technologies: Marketing aspect.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 363-374.*
25. Quasar Hamed ALKaisy, Ashwaq Kadhim Rahi (2022). **Desirable physical and rheological properties of yogurt produced with a traditional starter compared to different commercial starters.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 375-380.*
26. Viktoriia Pidhurska, Yaroslava Larina (2022). **Analysis of the Covid-19 pandemic's impact on the Ukrainian confectionery market.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 381-395.*
27. Lidiia Kostyrko, Lyudmila Zaitseva, Tetiana Solomatina, Ruslan Kostyrko, Eleonora Chernodubova (2022). **Financial security of the development of energy companies: Analysis, evaluation, priorities.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 396-406.*
28. Enis Dalo, Lebriz Uslu Besli, Hazbije Sahiti, Ezel Uslu (2022). **In vitro antioxidant effect of sesame oil seed on the protection of proteins from carbonylation and desialylation in human blood serum.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 407-411.*
29. Olena Boiko, Nataliia Vasiutkina, Svetlana Marchenko, Oksana Kondratiuk (2022). **Implementation of the experience of Asian countries in the creation and development of innovatively active enterprises in Ukraine.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 412-421.*
30. Oksana Zghurska, Tetiana Somkina, Olena Korchynska, Khrystyna Shparyk, Vira Fomishyna, Ruslan Ohorodnyk, Inna Kucherenko (2022). **Analysis of dynamic processes of military goods export based on the methods of mathematical control theory.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 422-432.*
31. Karina Grigoryan, Vardui Hovsepyan, Armen Thrchounyan, Mariam Sargsyan (2022). **Antibacterial activity of *Geotrichum candidum* Link metabolites against pathogenic bacteria.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 433-442.*
32. Emine Daci Zejnnullahi, Mufail Salihaj, Medin Zeqiri (2022). **Economic effect of land fragmentation on farm productivity.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 443-447.*
33. Frederik Dara, Elfrida Dishmema, Arbër Qoshja, Silvana Mustafaj (2022). **Analysis and prediction of covid-19 using SIR and SEIR models in Albania.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 448-455.*
34. Albana Tahiri, Manjola Kulici, Arbenita Hasani (2022). **Interdisciplinary projects, fusing of standards in the field of food sciences with the competence of thinking and speaking in preschool.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 456-463.*
35. Galina Nikolova, Yanka Karamalakova, Magdalena Oblakova, Veselina Gadjeva, Nasko Vasilev (2022). **Role of oxidative stress biomarkers in the assessment of metabolic status in the ruminant.** *Journal of Hygienic Engineering and Design, Vol. 41, pp. 464-471.*

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