Journal of Hygienic Engineering and Design – Volume 40

Journal sections:

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

HYGIENIC ENGINEERING AND DESIGN

1. Vitalii Ponomarenko, Andrii Sliusenko, Dmytro Liulka, Sviatoslav Lementar, Inna Forostiuk, Mykola Yakymchuk (2022). **Process of sugar solutions sulfitation in terms of hygienic requirements for equipment operation.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 3-12.*

2. Vladimira Ganchovska (2022). **Program for automatically division an image into set number of equal rectangular regions of interests.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 13-16.*

FOOD QUALITY AND SAFETY

1. Lucia Zeleňáková, Silvia Jakabová, Marek Šnirc, Jana Žiarovská, Ivana Mezeyová (2022). **Determination of nitrates in lettuce (*Lactuca sativa* var. *capitata*) from various producers by ion-selective electrode.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 19-26.*

2. Anatoly Telnov, Viktoriya Hurochkina, Svitlana Reshmidilova, Iryna Yepifanova, Andrii Yakivchenko (2022). **Ergodesing as a method for the design of the quality of products on the basis of benchmarking.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 27-35.*

3. Anar Kabylda, Fariza Sagyntay, Auelbek Iztaev, Nurzhan Muslimov (2022). **Investigation of the influence of non-traditional raw materials on the rheological properties of dough in the production of gluten-free pasta.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 36-40.*

4. Amira M. El-Baz, Abbas O. Toliba, Gehan A. El-Shorbagy (2022). **Effect of edible coating on the shelf-life and quality of apple (*Malus demestica* L.) During cold storage.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 41-49.*

5. Alketa Shehaj, Lefter Muxhaj (2022). **Evaluation of physico-chemical parameters of fresh pasta prepared with different recipes.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 50-55.*

6. Nazym Alzhaxina, Zhanat Tuyakbayeva, Nurzhan Muslimov (2022). **Study of the fatty acid composition of linseed oil for the production of fat compositions.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 56-60.*

7. Anar Kabylda, Fariza Sagyntay, Auelbek Iztaev, Nurzhan Muslimov (2022). **Study of the influence of starch on the quality indicators of gluten-free pasta.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 61-66.*

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8. Nazym Alzhaxina, Askhat Dalabayev, Kuralai Zhunussova, Nurzhan Muslimov (2022). **Determination of 3-MCPD and glycidyl esters in vegetable oils.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 67-72.*

9. Zhanat Tuyakbayeva, Nazym Alzhaxina, Zhansaya Zhadrassyn, Magzhan Matay, Nurzhan Muslimov (2022). **Investigation of qualitative indicators of a functional creamy vegetable spread during storage.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 73-78.*

10. Lucia Zeleňáková, Lucia Benešová (2022). **Long-term changes in the epidemiology of foodborne intoxication in Slovakia for past 20 years.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 79-87.*

11. Khalaf Nahar Ahmad, Ziad Tariq Samir, Adil Abdulrahman Mustafa, Ali Mohammed Saadi (2022). **Estimation of the effectiveness of lactic acid bacteria in reducing the concentrations of mycotoxins contaminating goat milk.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 88-93.*

12. Valbona Hoxha, Albana Jano, Kozeta Vaso, Enkela Poro, Edlira Tako (2022). **An overview of the water quality of the Tirana river, Albania.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 94-100.*

FOOD PRODUCTION AND PROCESSING

1. Karyna Svidlo, Liudmyla Karpenko, Liudmyla Mamchenko, Tetiana Kolisnychenko (2022). **Technology of minced products from hydrobionts and poultry meat for health purposes.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 103-113.*

2. Nurzhan Muslimov, Askhat Dalabaev, Abdymanap Ospanov, Abilkhan Sadibaev, Almaz Moldakarimov (2022). **Changes in the carbohydrate-amylase complex germination of cereal crops.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 114-118.*

3. Olena Aksonova, SergeyGubsky, Natalia Murlykina, Natalia Otroshko (2022). **Development of vitamin D3-fortified dairy sour cream desert.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 119-131.*

4. Nurzhan Muslimov, Askhat Dalabaev, Aigul Timurbekova, Abilkhan Sadibaev, Almaz Moldakarimov, Yerman Spandiyarov (2022). **Changes in the protein-protease complex of germinated grains of leguminous crops.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 132-138.*

5. Sang Thanh Nguyen, Man Van Viet Le, Anh Kim Hoang (2022). **Effects of acetic acid, 5-hydroxymethylfurfural (hmf) and ferulic acid combinations on ethanol fermentation of immobilized *Kluyveromyces marxianus* in calcium alginate gel.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 139-147.*

6. Nutsuda Sumonsiri, Sakonwan Takjirawut, Kanistha Serepong (2022). **Physicochemical properties of chocolate brownies enriched with black jasmine rice flour.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 148-154.*

7. Nurzhan Muslimov, Abdymanap Ospanov, Askhat Dalabaev, Aigul Timurbekova, Almaz Moldakarimov (2022). **Changes in lipase activity during germination of oil seeds.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 155-159.*

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8. Madina Sultanova, Khamza Abdrakhmanov, Nurtore Akzhanov, Aigerim Saduakas, Aida Nurysh (2022). **Features of biologically active substances of walnut shell.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 160-164.*

9. Rahmi Nurdiani, Yessy Aprilia Susanti Hutabalian, Abdul Aziz Jaziri, Nurul Huda (2022). **Characteristics of active packaging from starry triggerfish (*Abalistes stellaris*) gelatin with the addition of mangrove *Rhizophora apiculata* leaf extracts.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 165-173.*

10. Svitlana Yermak, Larysa Frolova, Tetiana Koriavchenkova, Bohdan Kotov (2022). **Assessment of the socio-economic effectiveness of enterprises inclusive development under the risk-oriented management conditions.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 174-183.*

11. Madina Sultanova, Khamza Abdrakhmanov, Nurtore Akzhanov, Aigerim Saduakas, Aida Nurysh (2022). **Investigation of factors influencing the process of extracting antioxidant substances from walnut shells.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 184-190.*

12. Oksana Zghurska, Mykola Malik, Viktoriia Baidala, Tetiana Somkina, Stepan Kubiv, Ina Huzhavina, Andrii Sukhostavets, Anna Kulik, Alina Zakharzhevska (2022). **Modelling the influence of the environmental factor on ensuring the sustainability of Ukraine's food security.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 191-200.*

13. Anatoliy Tryhuba, Myroslava Vovk, Bohdan Batyuk, Nataliia Bogdanova, Oksana Proskurovych, Nataliia Golomsha, Roman Voloshyn, Olga Holomsha, Andriy Sava (2022). **Improving the quality of management in the system of forecasting milk procurement in communities usage the technology of neutron networks.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 201-209.*

14. Amina Hrković-Porobija, Lejla Velić, Benjamin Čengić, Amel Ćutuk, Pamela Bejdić (2022). **Influence of vegetation on the fatty acid composition of sheep's milk from the Livno area.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 210-214.*

15. Mihajlo Petrovski, Kiro Papakoca, Sofija Carceva-Salja, Ljuica Proseva, Sandra Atanasova (2022). **Influence of xerostomia on diet and nutrition among institutionalized elderly.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 215-220.*

16. Yuliya Dulyanska, Luísa Cruz-Lopes, Bruno Esteves, José Vicente Ferreira, Idalina Domingo, Maria João Lima, Paula M. R. Correia, Manuela Ferreira, Anabela Fragata, Maria João Barroca, Aida Moreira da Silva, Raquel P. F. Guiné (2022). **Evaluation of the antioxidant activity of extracts obtained form cherry seeds.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 221-226.*

17. Martina Hudecová, Peter Šedík, Ľudmila Nagyová (2022). **Consumption and offer of honey on the Slovak market.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 227-232.*

18. Omar Awaied Ahmed, Khazaal Shaban Abdullah (2022). **Impact of adding oats on the chemical, rheological, microbiological and sensory assessment of yogurt.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 233-238.*

19. Tetiana Kharchuk, Iryna Tarasenko, Liudmyla Chip, Lesia Sakun, Svitlana Bebko, Olena Palchuk, Bogdan Yatsykovskyy, Tymur Ishchejkin (2022). **Modeling the concept of managing changes of the smart economy and financial stability of entrepreneurship under martial law.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 239-249.*

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21. Yulian Tumbarski, Mariyana Topuzova, Mina Todorova (2022). **Food industry applications of propolis: A review.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 257-265.*

22. Ekaterina Sergeevna Shigina, Irina Sergeevna Polyanskaya, Valentina Leonidovna Popova (2022). **Metabiotics in fermented milk product.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 266-269.*

23. Khanlar Makhmudov, Olena Taran-Lala, Nelia Volkova, Olena Mykhailova, Svitlana Pysarenko, Oleksandr Sen (2022). **Modeling of the design of agricultural resource-saving clusters in the conditions of a threat to national security and a special legal regime.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 270-278.*

24. Viktoriia Voronina, Tetiana Voronko-Nevidnycha, Nataliia Klymenchukova, Anatolii Chynchyk, Mariana Shkoda (2022). **Strategic management of enterprises competitive advantages of innovation-oriented economy branches.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 279-285.*

25. Tzvetelin Dessev, Vesela Chalova, Ivelina Desseva, Rosen Chochkov, Magdalena Stoyanova, Petya Ivanova (2022). **A study on the possibility of using selected plant proteins as substitutes of animal proteins in forming and stabilizing food foams.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 286-293.*

26. Halyna Zelinska, Uliana Andrusiv, Alina Protsyshyn, Olga Vyshnevska, Olena Dovgal, Halyna Sydor (2022). **Innovative development of Ukraine: Competitiveness of enterprise staff in the context of globalization changes.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 294-303.*

27. Svitlana Vasylchak, Uliana Petrynyak, Liliia Loiak, Raisa Zagnybida, Olena Khomiv, Iryna Hnatenko (2022). **State regulation of employment in the labor market of territorial communities in the conditions of innovative development of entrepreneurship: Aspects of management.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 304-311.*

28. Viktor Dubishchev, Nataliia Makarenko, Olena Lozhachevska, Tamara Navrotska, Olga Melnyk, Olha Mantalyuk, Oleksii Prokopenko, Larysa Kapinus (2022). **Assessment of the efficiency of the implementation of the competitive strategy of logistic activity management of agricultural enterprises in the conditions of the online market.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 312-319.*

29. Olena Lopushynska, Victoria Melnik, Hanna Didur, Svitlana Bazyvoliak, Vira Kosovska, Oksana Shaida (2022). **Forecasting the efficiency of the management of resource-saving development of agricultural enterprises.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 320-331.*

30. Elena Varaksina, Olena Savenko, Olena Nihmatova, Viktoriia Skrypnyk, Tetiana Kolesnyk, Tamara Ivanova, Victor Rudyka, Olena Ovcharuk (2022). **Positioning of entrepreneurial systems of the organic products production in the conditions of globalization and innovative economics: Managerial aspect.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 332-345.*

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32. Ievgen Ovcharenko, Olga Khodakivska, Larysa Sukhomlyn, Olena Shevchenko, Iryna Lemeshenko, Andrii Martynov, Mykola Zos-Kior, Iryna Hnatenko, Sergiy Michkivskyy, Liudmyla Bilyavska (2022). **Spatial organization management: Modeling the functioning of eco-clusters in the context of globalization.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 351-356.*

33. Li Wei, Nataliia Klietsova, Nataliia Volchenko, Nataliia Petrova, Tetyana Kharchenko (2022). **Teacher competency model in human resource management: International economic and legal experience in Chinese universities under digitalization.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 357-368.*

34. Lidiia Kostyrko, Tetyana Solomatina, Ruslan Kostyrko, Eleonora Chernodubova, Nataliia Riazanova (2022). **System of balanced indicators as a tool for forming a financial strategy in combination with the competitive strategy of agricultural enterprises.** *Journal of Hygienic Engineering and Design, Vol. 40, pp. 369-376.*

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