

Journal of Hygienic Engineering and Design – Volume 42

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HYGIENIC ENGINEERING AND DESIGN

1. Galya Hristova (2023). **Design and constructive layout of a grape press**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 3-6.
2. Amina Taha Hussein AL-Salim, Tariq Zaid Ibrahim (2023). **Study of the effect of natural factors on the production and inhibition of biofilms of *Staphylococcus aureus***. Journal of Hygienic Engineering and Design, Vol. 42, pp. 7-13.

FOOD QUALITY AND SAFETY

1. Anita Lalić, Ana Šušac, Anđela Miškić, Amir Čaušević, Daniel Maestro (2023). **Influence of substitution of water with wort on quality of light rye bread**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 17-24.
2. Alketa Shehaj, Ariola Morina, Mirvjen Shehaj (2023). **Comparing the quality characteristics of dough from wheat flours determined by alveograph**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 25-29.
3. Mentor Thaqi, Njazi Bytyqi (2023). **Effect of milking method on milk quality, yield and milking time of buffaloes**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 30-33.
4. Alma Shehu, Julian Shehu (2023). **Preliminary data on the impact of waste disposal sites on the quality of surface and groundwaters**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 34-44.
5. Munkhnasan Enkhbold, Attila Lőrincz, Majd Elayan, László Friedrich, József Surányi, Adrienn Tóth (2023). **Improvement of shelf-life of beef using lactic acid, ascorbic acid mixture and potassium sorbate**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 45-50.
6. Qausar Hamed ALKaisy, Dhia Ibrahim Jerro Al-Bedrani, Dheyaa Hatif Kadhim, Ali Mohammed Saadi (2023). **Effect of sheep's milk enrichment with dried oyster mushroom (*Pleurotus ostreatus*) powder in yogurt quality characteristics**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 51-59.
7. Milidin Bakalli, Julis Selamaj (2023). **Physico-chemical characteristics of sunflower oil in market**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 60-64.
8. Muna Abdulmohsen Abdulmajeed, Nehan Bahaaldden Jafar, Yasir Hamad Hamada (2023). **Investigation and molecular characterization of Shiga toxin- producing *E. coli* O157:H7 from meat and dairy products in Kirkuk province, Iraq**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 65-74.

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9. Loreta Vallja, Sonila Duka, Alma Shehu, Nevila Broli, Majlinda Vasjari (2023). **Characterization and distribution of phosphorous in sediments. Case study: Kune Vaini lagoon system (Lezha, Albania).** Journal of Hygienic Engineering and Design, Vol. 42, pp. 75-81.
10. Valon Durguti, Xhavit Bytyqi, Fisnik Laha, Fidan Feka, Medin Zeqiri (2023). **Determination by FAAS of some of the heavy metals and trace elements in raw cow's milk produced in Kosovo.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 82-88.
11. Sonila Shehu, Flora Qarri, Pranvera Lazo (2023). **The effect of heavy metals concentration on fish growth in Vlora Bay, Albania.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 89-95.
12. Arieta Camaj Ibrahim, Ibrahim Hoxha, Hata Dibrani Sopjani, Teuta Brahimaj, Nazmi Hasanaj, Nexhdet Shala (2023). **Aflatoxin M1 level in raw milk and uht milk consumed in Kosovo during 2021- 2022.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 96-99.
13. Hyzer Rizani, Naser Kamberi, Shkëlzim Ukaj, Magbule Rizani (2023). **Presence of *Salmonella* spp., in poultry for egg production in Kosovo.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 100-103.
14. Natalija Atanasova-Pancevska, Aleksandra Markovska (2023). **Accuracy of food label - Consumer aspects.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 104-111.

FOOD PRODUCTION AND PROCESSING

1. Amal Sabbar Abdul-Hussien Alzamili, Dhia Ibrahim Jerro Al-Bedrani (2023). **The role of inulin as a fat replacer in the low-fat Oshari-like cheese physicochemical, textural and sensory properties.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 115-123.
2. Elmedina Bajgora, Denis Celcima (2023). **Student information system in the pre-university school in Kosovo.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 124-129.
3. Medin Zeqiri, Valon Durguti, Suzana Aliu, Fidan Feka, Ylli Biçoku (2023). **Performance of dairy farms in Kosovo during the Covid 19.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 130-137.
4. Nadya Bozakova, Magdalena Oblakova (2023). **Ethological and biochemical studies in broilers with the addition of essential oils of rosemary, lavender and oregano.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 138-145.
5. Igor Grujić, Branko Latinović, Radoslav Grujić (2023). **Opportunities of ICT support to management systems in food companies in the Balkan countries.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 146-154.
6. Elena Hošková, Iveta Zentková (2023). **Consumption of fruit and vegetables and the body mass index.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 155-161.
7. Veronika Valková, Hana Ďúranová, Lucia Galovičová, Petra Borotová, Nenad L. Vukovic, Milena Vukic, Miroslava Kačániová (2023). **Antifungal activity of *Salvia sclarea* essential oil against *Penicillium* spp. strains determined by disc diffusion and vapor contact methods.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 162-169.

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8. Jelena Bakrač, Ivana Gazikalović, Nevena Luković, Jelena Mijalković, Nataša Šekuljica, Zorica Knežević-Jugović (2023). **Production of xylanase using wheat bran by submerged fermentation by *Thermomyces lanuginosus***. Journal of Hygienic Engineering and Design, Vol. 42, pp. 170-176.
9. Elena Kravchenko, Oksana Karashchuk (2023). **Households' food consumption priorities research in the Covid-19 conditions**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 177-189.
10. Gábor Gyarmati (2023). **Cross-country analysis of onion trade in EU and Balkan countries**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 190-196.
11. Radin Tzonev, Radka Goranova-Spasova (2023). **Eating disorders and non-alcoholic fatty liver disease - A socially significant problem in the modern world**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 197-202.
12. Nevila Broli, Majlinda Vasjari, Sadik Cenolli, Loreta Vallja, Sonila Duka, Alma Shehu (2023). **Electrochemical determination of antibiotics at nano-modified carbon paste electrode**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 203-209.
13. Biljana Evrosimovska, Daniela Veleska Stevkovska, Vesna Jurukova Šotarovska (2023). **Guide bone regeneration with platelet rich fibrin for optimal implant placement: An overview and a case report**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 210-215.
14. Sonja Rašeta, Sanda Stanivuković, Biljana Kukavica, Marina Antić (2023). **Biochemical characteristics of tomato landraces from gene bank of Republic of Srpska**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 216-221.
15. Igor Grujić, Branko Latinović, Radoslav Grujić (2023). **Viewpoint of management about the application of integrated management systems in food companies**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 222-229.
16. Vezir Januzi, Lumturi Sena, Njazi Bytyqi (2023). **Determination of optimal concentration of organic selenium on egg production in laying hens**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 230-233.
17. Petru Alexandru Vlaicu, Tatiana Dumitra Panaite, Violeta Nour, Raluca Paula Turcu, Gabriela Maria Cornescu, Petruta Visinescu (2023). **Egg physical characteristics, fatty acid profile and health lipid indexes of stored eggs from hens fed diets supplemented with mixtures of flaxseed meal and carotenoids**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 234-241.
18. Milka Stijepić, Radoslav Grujić, Nikolina Malinović, Ilija Stijepić (2023). **Physicochemical and microbiological properties of probiotic yoghurt enriched with inulin and honey**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 242-250.
19. Majlinda Vasjari, Nevila Broli, Sadik Cenolli, Valbona Aliko, Ledia Vasjari, Gerta Hajdaraj, Caterina Faggio (2023). **Development of ferritin electrochemical immunosensor based on CPE modification**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 251-256.
20. Anila Mitre, Merije Elezi, Iris Markja, Aleksander Kaso (2023). **Study on homocysteine level and its relationship with levels of vitamin B12 and B9 in a group of Albanian population**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 257-262.

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21. Zainab Hassan Abdul Hussein Al-Zarfy, Dhia Ibrahim Jerro Al-Bedrani (2023). **A study of the effect of partial replacement of fat with WPC on the chemical, sensory and texture properties of low-fat processed cheese.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 263-270.
22. Iryna Tkachuk, Mariana Kobelia, Olha Popelo, Artur Zhavoronok, Olena Vinnychuk (2023). **Modelling financial influence of political and oligarchic interests of governed-sponsored enterprises on the creation and implementation of the financial policy in the state.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 271-279.
23. Edlira Baraj, Kledi Xhaxhiu, Rajmonda Totoni, Luis Felipe Hax Niencheski, Besnik Baraj (2023). **Factorial design as a tool for the assessment of matrix interference.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 280-285.
24. Ilmije Vllasaku, Julijana Tomovska (2023). **Determination of antioxidant activity in milk extracts by the method inhibition of hydrogen peroxide.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 286-293.
25. Faten Noori Abed Mula Abed, Farah Yousif Gaddawi, Hadeel Tariq Al-Shalash (2023). **Effect of microwave radiation on the ability of *Saccharomyces cerevisiae* to produce toxins.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 294-300.
26. Laura Binxhija (2023). **On route to health education diagnosing healthy eating habits among adolescents.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 301-306.
27. Blagoja Dashtevski, Aneta Mijoska, Marjan Petkov, Nadica Janeva, Sonja Gegovska-Zajkov, Oliver Zajkov, Maja Bogdanovski, Tatjana Arsova, Monika Dashtevska (2023). **Difference in retention force of approximate guide surfaces between conventional and CAD/CAM removable partial dentures.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 307-314.
28. Marija Zheplinska, Larisa Bal-Prylypko, Mykola Nikolaenko, Volodymyr Vasylyv, Mikhailo Mushtruk, Natalija Slobodyanyuk, Liubov Shablii (2023). **Exploration of drying process of beets.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 315-320.
29. Mohammed Wasfi Mustafa, Omar Dheyaa Mohammed, Ali Mohammed Saadi (2023). **Impact of acetic acid on milk yield, composition, and some blood parameters in Awassi ewes at different stages of lactation.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 321-327.
30. Azhar Majed Ibraheem, Omar Dheyaa Almallah (2023). **Study the effect of adding different levels of black raisin juice pomace on the hematological, biochemical and growth characteristics of Awassi sheep.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 328-331.
31. Gafur Xhabiri, Ibrahim Hoxha, Majlinda Sana, Besiane Hoxha (2023). **Effect of the addition of bran mixtures on dough rheology, correlation between different rheological equipment and bread properties.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 332-338.
32. Hussein Razaq Al Sultani, Mahdi Hassan Hussain (2023). **Extraction of fiber from apple peels and pomace to fortify the yoghurt product and its use for diabetic patients and weight loss.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 339-351.
33. Abdyl Sinani, Majlinda Sana (2023). **Survey of hydrothermal processes in the flour-making properties of some soft wheat varieties that are cultivated in our country and abroad.** Journal of Hygienic Engineering and Design, Vol. 42, pp. 352-356.

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34. Mufail Salihaj, Emine Daci Zejnnullahi, Diellon Salihaj (2023). **Determination of the amount of vitamin C and vitamin A in the crop of pepper in physiological and technical ripening**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 357-360.
35. Ayad Abdulsattar Ali, Firas Tahir Maher, Shihab Ahmed Al-Bajari (2023). **Green biosynthesis of silver nanoparticles from *Taraxacum officinale* roots plant and studying its antiviral properties to Coronavirus (Sars-Cov-2) infected lung cells**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 361-369.
36. Rolandas Drejeris, Mindaugas Samuolaitis (2023). **Intelligent decision support system for choice the best food storage technology**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 370-377.
37. Tymur Ishchejkin, Viktoriia Skrypnyk, Hanna Kostovyat, Tetiana Krakhmalova, Olha Dashko (2023). **Smart financial and personnel design of accounting of innovative agribusiness in the conditions of managing changes in the digital economy**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 378-387.
38. Tetyana Lepeyko, Olena Oviechkina, Mariana Shkoda, Lesya Babiy, Iryna Goncharenko (2023). **The security aspect of the modeling of financial monitoring and accounting of the innovation cluster economic activity**. Journal of Hygienic Engineering and Design, Vol. 42, pp. 388-398.

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