

Poster sections

Poster jury: Chair: KESZTHELYI-SZABÓ Gábor

Members: BÍRÓ István, MATUZ János, PANYOR Ágota, VARGA László, VARGA Péter

Food Science Section – Lecture room 117

| Authors | Affiliation | Title | No |
|--|--|--|------|
| ALEXE Alina-Madalina, C. Vizireanu | Food Science, Food Engineering and Applied Biotechnology Department, Faculty of Food Science and Engineering, "Dunarea de Jos" University of Galati, Romania | Optimization of the extraction process in order to isolate antioxidant compounds from walnut leaves | FS1 |
| T. Dozan, M. Benković, BAUMANN Ingrid | Faculty of Food Technology and Biotechnology University of Zagreb, Croatia | Comparison of critical particle diameters and its effect on flow ability in stevia and sucrose | FS2 |
| CIRIMBEI Michaela, C. Vizireanu | Food Science, Food Engineering and Applied Biotechnology Department, Faculty of Food Science and Engineering, "Dunarea de Jos" University of Galati, Romania | Comparison of different ratio solvent for isolation of antioxidant compounds of horseradish | FS3 |
| CVEJIN Aleksandra, Z. Zeković, J. Vladić, S. Vidović, B. Pavlić | Faculty of Technology, University of Novi Sad Serbia | Antioxidant activity, total phenolic content and total flavonoid content of Coriandrum sativum L. extracts | FS4 |
| CSAMBALIK László, A. Divéky- Ertsey, M. Ladányi, Cs. Orbán, | Department of Ecological and Sustainable Production Systems, Horticultural Faculty, Corvinus University Budapest, Hungary | Influence of abiotic disorders on nutritional values of tomato (Solanum lycopersicum) | FS5 |
| DIÓSI Gerda, M. Móré, P. Sipos | Institute of Food Science, Quality Assurance and Microbiology, Faculty of Agricultural and Food Sciences and Environmental Management, University of Debrecen, Hungary | Role of the Farinograph test in the wheat flour quality determination | FS6 |
| FEKETE Dávid, M. Stéger-Máté, V. Böhm, G. Balázs, N. Kappel | Department of Vegetable and Mushroom Growing, Faculty of Horticultural Science, Corvinus University, Hungary | Lycopin and flash color differences in grafted and non-grafted watermelon | FS7 |
| FIŠTEŠ Aleksandar, T. Došenović, D. Rakić, B. Pajin, Z. Šereš, D. Šoronja- Simović, I. Lončarević | Faculty of Technology, University of Novi Sad Serbia | Statistical analysis of the basic chemical composition of whole grain flour of different cereal grains | FS8 |
| GYÓRI Zoltán | Institute of Regional Economics and Rural Development, Faculty of Economics and Social Science of Szent István University Hungary | Comparison of N and S contents of different winter wheat samples | FS9 |
| KENESEI György, I. Dalmadi, V. Farkas, K. Pásztor-Huszár, K. Polyák-Fehér, Cs. Balla | Department of Refrigeration and Livestock Product Technology, Corvinus University of Budapest, Hungary | Effect of high hydrostatic pressure treatments on colour of berry purees | FS10 |
| GÖMÖRI Csilla, E. Nacsá-Farkas, E. B. Kerekes, S. Kocsubé, Cs. | Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Hungary | Evaluation of five essential oils for the control of food-spoilage and mycotoxin producing fungi | FS11 |

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| Vágvölgyi, J. Krisch | | | |
| KOTOGÁN Alexandra , A. Sója, T. Papp, Cs. Vágvölgyi, M. Takó | Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Hungary | Lipase production of <i>Mortierella echinosphaera</i> | FS12 |
| LONČAR Biljana , V. Filipović, M. Nićetin, V. Knežević, L. Pezo, D. Plavšić, L. Šarić | Faculty of Technology University of Novi Sad, Serbia | Microbiological profile of fish dehydrated in two different osmotic solutions | FS13 |
| B. Lončar, V. Filipović, NIĆETIN Milica , V. Knežević, L. Pezo, D. Plavšić Lj. Šarić | Faculty of Technology University of Novi Sad, Serbia | Evaluation of mass transfer kinetics and efficiency of osmotic dehydration of pork meat | FS14 |
| MARIK Tamás , Cs. Várszegi, L. Kredics, Cs. Vágvölgyi, A. Szekeres | Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Hungary | Mass spectrometric investigation of alamethicin | FS15 |
| MÓRÉ Mariann , G. Diósi, Z. Győri, P. Sipos | Institute of Food Science, Quality Assurance and Microbiology, Faculty of Agricultural and Food Sciences and Environmental Management, University of Debrecen, Hungary | Investigation of rheological properties of winter wheat varieties during storage | FS16 |
| NÉMETH Csaba , I. Zeke, P. Póti L. Argüello Castillo, L. Friedrich, | Capriovus Ltd; Hungary, Corvinus University of Budapest, Szent István University | High Hydrostatic Pressure: can we trust public datas? | FS17 |
| PROFIR Alina G. , C. Vizireanu | Food Sci. Food Eng. Applied Biotechnol. Dep., Faculty of Food Sci. Eng. "Dunărea de Jos" Univ. of Galati, Romania | Sensorial analysis of a functional beverage based on vegetable juice | FS18 |
| N. M. Hromiš, V.L. Lazić, ŠUPUT Danijela Z. , S. Z. Popović, V. M. Tomović | Faculty of Technology, University of Novi Sad Serbia | Improvement of water vapor barrier properties of chitosan collagen laminated casings using beeswax | FS19 |
| SZABÓ-NAGY Andrea , E. Gyimes, A.Véha | Institute of Food Engineering, Faculty of Engineering, University of Szeged, Hungary | Aluminium toxicity in winter wheat | FS20 |
| SZABÓ P. Balázs , E. Gyimes, A. Véha | Institute of Food Engineering, Faculty of Engineering, University of Szeged, Hungary | Examine the connection between the debranning time and the kernel hardness by wheat | FS21 |
| SZALÓKI-DORKÓ Lilla , F. Légrádi, L. Abrankó, M. Stéger-Máté | Department of Food Preservation, Faculty of Food Science, Corvinus University of Budapest, Hungary | Effects of food processing technology on valuable components in elderberry (<i>Sambucus nigra</i> L) varieties | FS22 |
| SZEKERES Márta , Á. Horváth, T. Kegyes, F. Somogyvári | Department of Medical Microbiology and Immunobiology, Faculty of Medicine, University of Szeged, Hungary | Optimization of the mastermixes | FS23 |
| SZÉKELY Dóra , A. Csighy, M. Stéger- Máté, J. Monspart-Sényi | Department of Food Preservation, Faculty of Food Science, Corvinus University of Budapest | Analysis of heavy metal accumulation food with X-ray fluorescence spectrometry | FS24 |
| TAREK Mohamed , J. Tarek-Tilistyák, J. Jekő | Agricultural and Molecular Research and Service Institute, College of Nyíregyháza, Hungary | Fortification of cottage cheese based dessert products by dried Jerusalem artichoke | FS25 |

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| TAREK-TILISTYÁK Judit , M. Juhász-Román, M. Tarek, J. Jekő | Agricultural and Molecular Research and Service Institute, College of Nyíregyháza, Hungary | Effect of oilseed press cake on bread quality | FS26 |
| VIDÁCS Anita , J. Krisch, Cs. Vágvölgyi | Institute of Food Engineering, Faculty of Engineering, University of Szeged, Hungary | Disinfection action of some essential oils on stainless steel | FS27 |
| Zs. Hovorka-Horváth, VÉHA Antal | Institute of Food Engineering, Faculty of Engineering, University of Szeged, Hungary | The colour characteristics of winter wheat grits with different grain size | FS28 |
| VÉHA Antal , P. B. Szabó, T. Bartók, E. Gyimes | Institute of Food Engineering, Faculty of Engineering, University of Szeged, Hungary | Milling technological experiments to reduce Fusarium toxin contamination on wheat | FS29 |
| ZANZEN Ulrike , G. L. Bovenkamp, K.S. Krishna, J. Hormes, A. Prange | Microbiology and Food Hygiene, Niederrhein University of Applied Sciences, Germany | Antibacterial behavior of copper and silver ions against food contaminating bacteria | FS30 |
| KNEZEVIC Violeta , V. Filipović, B. Čurčić, M. Nićetin, T. Kuljanin, L. Lević, L. Pezo | University of Novi Sad, Faculty of Technology | Re-use of osmotic solutions | FS31 |

ICoSTAF posters – Economics – Meeting room

| Authors | Affiliation | Title | No |
|--|--|--|-----|
| GÓSI János , J. Gál | Institute of Economics and Rural Development, Faculty of Engineering, University of Szeged Hungary | Economy and politics in Hungary during 2 nd Orban government period | EC1 |
| LENDVAI Edina , A. Dobay | Institute of Economics and Rural Development, Faculty of Engineering, University of Szeged Hungary | Investigation of demand and supply of glutenfree product in Szeged | EC2 |
| LENDVAI Edina , J. Gál, Á. Panyor | Institute of Economics and Rural Development, Faculty of Engineering, University of Szeged Hungary | Students' habits in fast food restaurants | EC3 |
| SZÚCS Viktória , Á. Fülöp, R. Juhász | Food Science Research Institute, Department of Technology and Food Chain Inspection National Agricultural Research and Innovation Centre, Hungary | Impact of the media on the risk perception of food additives: results of focus group interviews | EC4 |
| ZSÓTÉR Brigitta , R. Kaliczka | Institute of Economics and Rural Development, Faculty of Engineering, University of Szeged, Hungary | Examinations carried out in relation to the shopping habits and satisfaction of costumers in the shops of Coop Szeged Ltd. | EC5 |
| FERENCZ Árpád , M. Nótári | Faculty of Horticulture, Collage of Kecskemét, Hungary | Consumer judgment of the price of traditional foods | EC6 |

ICoSTAF posters – engineering – Meeting room

| Authors | Affiliation | Title | No |
|---|--|---|------|
| ALEXA Vasile , S. Ratiu., I. Kiss | Faculty of Engineering Hunedoara, Department of Engineering & Management, University Politehnica Timisoara, Romania | Laboratory assembly for analysis of fuel injection systems in the modern internal combustion engines | EN1 |
| BESSENYEI Kornél , Z. Kurják, J. Beke | Institute for Process Engineering, Faculty of Mechanical Engineering, Szent István University Hungary | Prediction of the energetic properties of drying process using ANN model | EN2 |
| BÉRCESI Gábor , K. Petróczki | Department of Metrology, Faculty of Mechanical Engineering, Szent István University, Hungary | Energetic examination of air-water heat pump for modeling purposes | EN3 |
| FABULYA Zoltán | Institute of Economy and Rural Development, Faculty of Engineering University of Szeged, Hungary | Analysis of the load-efficiency graph of the boiler | EN4 |
| FARKAS Ferenc | Technical Institute, Faculty of Engineering University of Szeged, Hungary | Developing of risk analysis methodologies | EN5 |
| FORGÁCS Endre , A. Vecseri | Department of Technology, Faculty of Engineering, University of Szeged Hungary | Examination of different shaft coupling configuration errors with SPM and spectral analysis methods | EN6 |
| P. Korzenszky, G. Bércesi, L. Bense, GÉCZY Gábor | Department of Metrology Institute of Process Engineering, , Faculty of Mechanical Engineering, Szent István University, Gödöllő, Hungary | Ideal opportunities for air to water heat pump application | EN7 |
| GOGOLÁK László , I. Füstner, Sz. Pletl | Subotica Tech, Subotica, Serbia University of Szeged, Department of Informatics, Szeged, Hungary | Wireless sensor network based localization in industrial environments | EN8 |
| SÁROSI József | Technical Institute, Faculty of Engineering, University of Szeged Hungary | Study on viscoelastic behavior of pneumatic muscle actuator | EN9 |
| SIKOLYA László , I. Kalmár, E. Kalmár Vass | Institute of Technological and Agricultural Engineering, College of Nyíregyháza, Hungary | Technological development goals, results and possibilities in extension of Amaranthus production in Hungary | EN10 |
| SZUCHY Péter , J. Solticzky, Z. Szabó | Technical Institute, Faculty of Engineering, University of Szeged Hungary | Comparing analysis of a specified pressure vessel's design methods | EN11 |
| VARGA-SIMON Erika , M. Örvös | Technical Institute, Faculty of Engineering, University of Szeged Hungary | Influence of hydrodynamic force at convective drying | EN12 |

ICoSTAF posters - Environmental Technique and Biotechnology – Lecture room 117

| Authors | Affiliation | Title | No |
|---|---|---|------|
| BAJIĆ Bojana , J. Dodić, Z. Rončević, J. Grahovac, S. Dodić, D. Vučurović, I. Tadijan | Department of Biotechnology and Pharmaceutical Engineering, Faculty of Technology, University of Novi Sad, Serbia | Biosynthesis of xanthan gum on wastewater from confectionary industry | BT1 |
| HODŪR Cecília , M. Ábel, D. Vitay, Zs. László, G. Keszthelyi- Szabó | Department of Process Engineering, Faculty of Engineering, University of Szeged, Hungary | Combined membrane separation for enzyme recovery | BT2 |
| L. Szabó, HOVORKA-HORVÁTH Zsuzsanna | Department of Process Engineering, Faculty of Engineering, University of Szeged, Hungary | Investigation of colour agent content of paprika powders with added oleoresin | BT3 |
| KUKIĆ Dragana , ŠĆIBAN Marina , M. Klačnja, J. Prodanović | Faculty of Technology, University of Novi Sad Serbia | Adsorption capacities of different lignocellulosic materials for copper ions | BT4 |
| LUKIĆ Nataša Lj. , I. M. Šijački, M. S. Tokić, P.S. Kojić, D. Lj. Petrović | Department of Chemical Engineering, Faculty of Technology, University of Novi Sad, Serbia | Mixing time in a draft tube airlift reactor with alcohol solutions | BT5 |
| MILJIĆ Uroš , V. Vučurović, R. Razmovski, V. Puškaš, M. Ačanski, K. Pastor | Department of Biotechnology and Pharmaceutical Engineering, Faculty of Technology, University of Novi Sad, Serbia | Optimisation of thermo-chemical hydrolysis of kitchen waste for ethanol production using response surface methodology (RSM) | BT6 |
| SZÉLPÁL Szilárd , B. Faragó, J. Csanádi, Zs. László, G. Keszthelyi-Szabó, C. Hodúr | Department of Process Engineering, Faculty of Engineering, University of Szeged, Hungary | Examination of bioactive materials by vibratory shear enhanced process | BT7 |
| TADIJAN Ivana , J. Grahovac, J. Dodić, M. Grahovac, S. Maširević, D. Vučurović, S. Dodić | Department of Biotechnology and Pharmaceutical Engineering, Faculty of Technology, University of Novi Sad, Serbia | Effect of carbon sources on the production of the biofungicide by <i>Streptomyces hygroscopus</i> | BT8 |
| VÁRSZEGI Csaba , L. Manczinger, L. Vidács, I. Radulov, L. Nita, Cs. Vágvölgyi, L. Hatvani | Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Hungary | The complete degradation of acetanilide by a consortium of microbes isolated from river Maros (Mures) | BT9 |
| VUČUROVIĆ Vesna M. , R.N. Razmovski, U.D. Miljić, V.S. Puškaš, M.M. Ačanski, K.A. Pastor | Department of Biotechnology and Pharmaceutical engineering, Faculty of Technology, University of Novi Sad, Serbia | Thermo-acid pretreatment of starch based kitchen waste for ethanol production | BT10 |

Students' posters – corridor of the Institute of Economics and Rural Development

Poster jury:

Chair: HODÚR Cecília, Members: FARKAS Ferenc, HOMOLYA György, ŠEREŠ Zita

| <i>Authors</i> | <i>Affiliation</i> | <i>Title</i> | <i>No</i> |
|--|---|--|-----------|
| BÁLÓ Robert | Faculty of Engineering, University of Szeged, Hungary | Analysing and improving the energy efficiency of a canteen | S1 |
| BLESKANJ Viktor | Faculty of Technology, University of Novi Sad, Serbia | Quality of the wastewater in the sugar industry | S2 |
| BUBNJEVIC Nikolina | Faculty of Technology, University of Novi Sad, Serbia | Dairy wastewater | S3 |
| FILIPOVIC Smiljka | Faculty of Technology, University of Novi Sad, Serbia | Nitrate removal from wastewater by biological denitrification | S4 |
| FORRAI István | Faculty of Engineering, University of Szeged, Hungary | Measuring dielectric parameters of continuous flowing fluids | S5 |
| FORRAI Sándor József | Faculty of Engineering, University of Szeged, Hungary | Injury elimination device preparation of rivers and channels in case of oil pollution | S6 |
| HÖRÖMPŐ Miklós | Faculty of Engineering, University of Szeged, Hungary | Modernization of an office cooling and heating system | S7 |
| ILIC Jelena, NIKOLOVSKI Branislava, HROMIŠ Nevena, LAZIĆ Vera | Faculty of Technology, University of Novi Sad, Serbia | Water consumption for emulsification process: environmental impact | S8 |
| KEKOVIĆ Petar | Faculty of Technology, University of Novi Sad, Serbia | Potential of starch stillage for biogas production | S9 |
| KÉRI Albert | Faculty of Engineering, University of Szeged, Hungary | Investigation of membrane separation combined with UV radiation and heterogeneous photo catalysis | S10 |
| KOCSIS Lajos | Faculty of Engineering, University of Szeged, Hungary | The effect of ozone pre-treatment for the membrane filtration of oil content waste waters | S11 |
| KOPANJA Aleksandra | Faculty of Technology, University of Novi Sad, Serbia | Wastewater treatment from wheat starch industry | S12 |
| LOVÁSZI Zita | Faculty of Engineering, University of Szeged, Hungary | Comparative study on the antimicrobial effects of fresh garlic and commercial garlic extracts | S13 |
| MÉSZÁROS Andor Tibor | Faculty of Engineering, University of Szeged, Hungary | Comparison of domestic pig, mangalitzta and boar meat quality | S14 |
| MÉSZÁROS Vivien | Faculty of Engineering, University of Szeged, Hungary, | Microwave energy based biodiesel production | S15 |
| MOLNAR Igor | Faculty of Technology, University of Novi Sad, Serbia | Colorants removal by ultrafiltration from the intermediate products from sugar production | S16 |

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| PAPP Anita | Faculty of Engineering, University of Szeged, Hungary | Food safety in the public awareness – survey among high school students | S17 |
| UNCANIN Milica | Faculty of Technology, University of Novi Sad, Serbia | LCA method in environment protection | S18 |
| ZORJAN Jana | Faculty of Technology, University of Novi Sad, Serbia | Biodisel – ecological fuel | S19 |