



*Banat's University of Agricultural Sciences and Veterinary  
Medicine "King Michael I of Romania" from Timișoara*



**Faculty of Food Engineering**

# **BOOK OF ABSTRACT**

**Student Conference:**  
*„Life Sciences – Food Processing”*



**Editors:**

**Nicoleta Gabriela Hădărugă, Adrian Kiviș,  
Corina Iuliana Megyesi,  
Diana Veronica Dogaru, Teodor Ioan Trașcă**



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**The 7<sup>th</sup> Student Conference:  
„Life Sciences – Food Processing”  
04 July 2022**



***Section: Conference cover following topics:***

- *Food Engineering*
- *Food Control*
- *Consumer and environmental protection*

***07 July 2022***





## *General Programme*

**04 July 2022**      **Registration online**

<b>15<sup>00</sup> – 15<sup>10</sup></b>	<b>Opening of the Conference</b>
15 <sup>10</sup> – 15 <sup>20</sup>	Oral Communication OC <sub>1</sub>
15 <sup>20</sup> – 15 <sup>30</sup>	Oral Communication OC <sub>2</sub>
15 <sup>30</sup> – 15 <sup>45</sup>	Oral Communication OC <sub>3</sub>
15 <sup>45</sup> – 16 <sup>00</sup>	Oral Communication OC <sub>4</sub>
<b>16<sup>00</sup> – 18<sup>00</sup></b>	<b>Posters</b>

*„Banat’s University of Agricultural Sciences and Veterinary Medicine  
“King Michael I of Romania” from Timișoara*



## Programme

04 July 2022

Registration online

15<sup>00</sup> – 15<sup>10</sup>

Opening of the Conference

**Prof. dr. Adrian Riviş**

*Dean of the Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timișoara*

**Prof. dr. Nicoleta Gabriela Hădărugă**

*Vicedean of the Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timișoara*

### Oral Communication

15<sup>10</sup> – 15<sup>20</sup>

**OC1:** Antioxidant activity and nutritional value of the edible fruits from the *Physalis* species – a short review, **Sorina Ioana Benea, Cristina Liliana Mitroi, Laura Rădulescu, Ariana Bianca Velcirov, Corina Iuliana Megyesi, Adrian Riviş, Iulia Donatela Stefan, Raymond Nandy Szakal, Dina Gligor, Ana Maria Cretu, Călin Cureleac, Nicoleta Gabriela Hădărugă**, *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timișoara*

15<sup>20</sup> – 15<sup>30</sup>

**OC2:** Physical chemical and sensory characteristics of some autochthonous wines from the West side of Romania  
**Elena Adelina Beuran, Cristina Liliana Mitroi, Camelia Moldovan, Delia Gabriela Dumbravă, Corina Iuliana Megyesi, Sofia Georgeta Popescu, Despina Maria Bordean, Alina Ciobanu, Maria Gridan, Andreea Kallos, Larisa Rotariu, Georgiana Zaroniu, Nicoleta Gabriela Hădărugă**, *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timișoara*



15<sup>30</sup> – 15<sup>45</sup>

**OC<sub>3</sub>:** Innovative vegan food products based on common medlar (*Mespilus germanica* L.) fruits and honey  
**Iasminca Birta, Marius Ioan Cugorean, Cristina Liliana Mitroi, Laura Rădulescu, Ariana Bianca Velcirov, Corina Iuliana Megyesi, Ana Maria Cretu, Călin Cureleac, Adrian Riviș, Nicoleta Gabriela Hădărugă**

*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timișoara*

16<sup>45</sup> – 17<sup>00</sup>

**OC<sub>4</sub>:** Nutritional and sensory properties of almonds and almond-based spreadable food products

**Lorena-Iuliana Cojocariu, Elena Adelina Beuran, Iasminca Birta, Cristina Liliana Mitroi, Camelia Moldovan, Delia Gabriela Dumbravă, Maria Gridan, Andreea Kallos, Larisa Rotariu, Georgiana Zaroniu, Nicoleta Gabriela Hădărugă**

*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timișoara*



## *Section: Food Engineering*

### *Posters*

- P<sub>1</sub>** Study on the evaluation of the quality of some sunflower and pumpkin seeds  
**Livia Maria Tomescu, Ariana Cseke, Delia Ivanis, Despina Maria Bordean, Diana Moigreadean, Laura Radulescu, Liana Maria Alda**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>2</sub>** Evaluation of heavy metal content in different teas varieties  
**Andreea Maria Dobrin, Mihai Milos, Nicoleta Hadaruga, Liana Maria Alda, Laura Radulescu, Despina-Maria Bordean**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>3</sub>** Evaluation of the mineral content of some teff, buckwheat and flaxseed flours  
**Marcela-Maria Cioara, Andrei-Razvan Potocean, Mariana-Atena Poiana, Liana-Maria Alda, Diana Moigreadean, Despina-Maria Bordean**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>4</sub>** Evaluation of the content of micro and macroelements in different oriental condiments  
**Alexandra Daniela Avirvarei, Alexandru Morariu, Adrian Ravis, Liana Maria Alda, Camelia Cioban, Despina-Maria Bordean**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*





- P<sub>5</sub>** Development of Technology for the Production of Sausage Produce Using Secondary Collagen-Containing Raw Materials  
**Gabriel Bujancă, Dorin Otiman, Despina Bordean, Ducu Ștef, Ioan David, Laura Rădulescu, Adrian Riviș**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>6</sub>** The influence of the atmosphere on fruit preservation methods  
**Gabriel Bujancă, Alin Mogîrzan, Ariana Velciov, Ioan David, Ducu Ștef, Alexandru Rinovetz, Adrian Riviș**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>7</sub>** Improving the organoleptic and structural-chemical properties of semi-smoked sausages  
**Gabriel Bujancă, Dorin Otiman, Ioan David, Ducu Ștef, Sofia Popescu, Ariana Velciov, Adrian Riviș**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>8</sub>** Quality of some meat dishes – Leberwurst  
**Marielena Dandu, Camelia Moldovan, Delia-Gabriela Dumbrava, Ariana Velciov, Marioara Druga**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>9</sub>** Gluten-free Banana Cheesecake  
**Dumitrescu Roxana Mihaela, Camelia Moldovan, Delia-Gabriela Dumbrava, Ariana Velciov, Marioara Druga**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*



- P<sub>10</sub>** Development and characterization of some gluten-free biscuit assortments  
**Sigrid Cimponeriu, Cristian Costescu, Andreea Rochian, Camelia Moldovan, Marioara Druga, Mirela-Viorica Popa, Ducu-Sandu Stef, Delia-Gabriela Dumbrava**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>11</sub>** The beneficial effects of raspberry jelly on the human body  
**Adrian Riviş, Gheorghe Florin Samulescu, Corina Iuliana Megyesi, Ariana-Bianca Velciov, Nicoleta Gabriela Hădărugă, Laura Rădulescu**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>12</sub>** Sensory and physicochemical characterization of an assortment of homemade salami with added nuts  
**Corina Iuliana Megyesi, Laura Rădulescu, Nicoleta Daiana Bardan, Denisa Florentina Haiduc, Nicoleta Gabriela Hădărugă, Adrian Riviş**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>13</sub>** Sensory and physicochemical characterization of some sorts of natural juices  
**Corina Iuliana Megyesi, Adrian Riviş, Denisa Florentina Haiduc, Nicoleta Daiana Bardan, Nicoleta Gabriela Hădărugă, Laura Rădulescu**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*





- P<sub>14</sub>** Characterization of Feteasca Neagra red wines from Romanian vineyards  
**Andreea-Georgiana Ancas, Mariana-Atena Poiana, Liana-Maria Alda, Despina-Maria Bordean, Diana Moigreadean**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>15</sub>** Natural alcoholic beverages using as traditional alcoholic beverages in Romania  
**Alexandra Florina Hancila, Mariana-Atena Poiana, Camelia Moldovan, Diana Moigreadean**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>16</sub>** Characterization of some Chardonnay white wines  
**Mirabela-Codruța Lațcu, Mariana-Atena Poiana, Simion Alda, Liana-Maria Alda, Diana Moigreadean**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>17</sub>** Valorization of orange waste resulting from the fruit canning industry - Orange peels jam  
**Larisa Băcărin, Călin Jianu, Ileana Cocan, Monica Negrea**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>18</sub>** Grapefruits waste valorization as nutritional jam  
**Makindu-Mabibi Didier, Ileana Cocan, Andreea Bobâlcă, Monica Negrea**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*



## ***Section: Food Control***

- P<sub>19</sub>** Obtaining and characterization of gluten-free cake – with rice and oranges  
**Răzvan Milcu, Ersilia Alexa, Ileana Cocan, Dan Radița, Monica Negrea**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>20</sub>** Studies on the nutritional characteristics of raspberry sorbet  
**Loredana Rusu, Daniela Stoin, Călin Jianu, Andreea Clipici, Monica Negrea**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>21</sub>** Design and evaluation of aperitif and flavored cake top assortments  
**Isabela Firuț, Denis Popescu, Mihaela Huh, Delia-Gabriela Dumbrava, Camelia Moldovan, Corina-Dana Misca, Diana-Nicoleta Raba, Viorica – Mirela Popa**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>22</sub>** The influence of the addition of some essential oils on the microbial load in the milk intended for the production of yogurt  
**Denis Popescu, Isabela Firuț, Mihaela Huh, Delia-Gabriela Dumbrava, Camelia Moldovan, Corina-Dana Misca, Diana-Nicoleta Raba, Viorica – Mirela Popa**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*



- P<sub>23</sub>** Nutritional utilization of *Sambucus nigra* flowers  
**Mihaela-Maria Stanciugelu, Elisabeth Spataro, Daniela-Florentina Marcu, Marius Velescu, Florina Radu, Ariana-Bianca Velciov, Antoanela Cozma, Gabriel Bujancă, Georgeta-Sofia Popescu,** *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>24</sub>** Research on the physico-chemical and sensory properties of Camembert cheese  
**Ioan Miclău, Elisabeth Spataro, Mihaela Maria Stanciugelu, Georgeta-Sofia Popescu, Florina Radu,** *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>25</sub>** Studies on the identification, control and monitoring of critical control points in the process of production of yogurt from goat's milk with 2.8% fat  
**Nicoleta Scoarță, Elisabeth Spataro, Mihaela Maria Stanciugelu, Georgeta-Sofia Popescu, Florina Radu**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>26</sub>** Dalia Cheese manufacturing technology  
**Laura Rădulescu, Adrian Riviș, Nicoleta Gabriela Hădărugă, Gabriel Bujancă, Carmen Izabela Rădulescu, Bianca Maria Laichici, Corina Iuliana Megyesi,** *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>27</sub>** Determination of the physico-chemical characteristics of homemade smoked sausages with garlic, cumin, thyme and white wine  
**Laura Rădulescu, Ariana Bianca Velciov, Liana Maria Alda, Grațian Ilie Brumar, Alexandru Florin Mittrache, Corina Iuliana Megyesi,** *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*



## ***Section: Consumer and environmental protection***

- P<sub>28</sub>** Determination of the physico-chemical characteristics of certain assortments of acidic dairy products: Sana  
**Laura Rădulescu, Adrian Riviș, Nicoleta Gabriela Hădărugă, Bianca Maria Laichici, Carmen Izabela Rădulescu, Corina Iuliana Megyesi**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>29</sub>** Lemon and ginger fig jam  
**Laura Rădulescu, Ariana Bianca Velcirov, Corina Iuliana Megyesi, Grațian Ilie Brumar, Alexandru Florin Mitrache, Despina-Maria Bordean**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>30</sub>** Study of some oils as sources of unsaturated fatty acids  
**Mădălina Stîngă, Despina Bordean, Mirela Popa, Corina Mișcă, Lavinia Ștef, Ramona Hegheduș Mîndru, Mihaela Cazacu, Ducu-Sandu Ștef**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>31</sub>** Study of some possibilities for bread quality improving  
**Ionela Dalea, Camelia Moldovan, Delia Dumbravă, Nicoleta Hădărugă, Mîndru Gabriel Hegheduș, Gabriel Bujancă, Ducu-Sandu Ștef**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*



- P<sub>32</sub>** Sensory and physical-chemical evaluation of gluten-free bread obtained from rice flour and chestnut flour  
**Daniela Stoin, Cadrin Nicolescu, Ileana Cocan, Calin Jianu, Ariana Velciov, Marina-Florina Gociu, Ruth Gal, Mariana-Atena Poiana**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>33</sub>** Sensory and physical-chemical evaluation of gluten-free biscuits obtained from coconut flour and rice flour, enriched with cranberry powder  
**Daniela Stoin, Cornelia Pesamosca, Mariana-Atena Poiana, Ileana Cocan, Monica Negrea, Ariana Velciov, Iulia Mihai, Roxana Rus, Ersilia Alexa**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>34</sub>** Quality and sensory analysis of some Romanian blonde and dark beer products  
**Liviu Dobândă, Florina Diana Filip, Iasminca Birtea, Marius Ioan Cugerean, Cristina Liliana Mitroi, Laura Rădulescu, Alexandru Rinovetz, Gabriel Bujancă, Camelia Moldovan, Delia Gabriela Dumbravă, Nicoleta Gabriela Hădărugă, Marioara Druga**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>35</sub>** Sensory analysis and halogen drying of some cereal flakes marketed in Romania  
**Florina Diana Filip, Liviu Dobândă, Iasminca Birtea, Marius Ioan Cugerean, Cristina Liliana Mitroi, Laura Rădulescu, Corina Iuliana Megyesi, Adrian Riviș, Alexandru Rinovetz, Gabriel Bujancă, Nicoleta Gabriela Hădărugă**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*



- P<sub>36</sub>** Salami type innovative vegan meat substitute product - obtaining and evaluating the protective quality  
**Andreea Rochian, Cristian Costescu, Camelia Moldovan, Mirela-Viorica Popa, Marioara Druga, Diana-Nicoleta Raba, Nicoleta-Gabriela Hadaruga, Delia-Gabriela Dumbrava**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>37</sub>** Monitoring the technological process of manufacture of rye bread, evaluating its quality indicators  
**Răzvan Ilie Boboescu, Ramona Cristina Hegheduș – Mîndru, Florin Alexandru Pârvu, Cristian Gottvald, Dorina Ionela Curuți, Ioana Luciana Burcă, Teodor Ioan Trașcă, Ducu Sandu Ștef, Gabriel Hegheduș – Mîndru**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>38</sub>** Comparisons regarding the load with trace elements of some dehydrated vegetables taken from the western part of Romania  
**Mihaela Cazacu, Ramona Cristina Hegheduș – Mîndru, Ducu Sandu Ștef, Milan Alexandru Ciușdic, Alexandru Nicolae, Radu-Alexandru Rîmpu, Laurențiu Cserveneak, Raul Dănciulescu, Teodor Ioan Trașcă, Gabriel Hegheduș – Mîndru**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>39</sub>** Comparisons regarding the quality indicators of some types of honey taken from the western part of Romania  
**Milan Alexandru Ciușdic, Mihaela Cazacu, Ramona Cristina Hegheduș – Mîndru, Alexandru Rinovetz, Alexandru Nicolae, Radu-Alexandru Rîmpu, Laurențiu Cserveneak, Raul Dănciulescu, Bogdan Petru Rădoi, Gabriel Hegheduș – Mîndru**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*





- P<sub>40</sub>** Comparisons regarding the evaluation of the quality indicators of some mineral waters sold in the supermarkets in Timisoara  
**Laurențiu Cserveneak, Milan Alexandru Ciușdic, Mihaela Cazacu, Ramona Cristina Hegheduș – Mîndru, Daniel Bogdan Platon, Andreea Annemarie Kiss, Alexandru Nicolae, Radu-Alexandru Rîmpu, Raul Dănciulescu, Gabriel Hegheduș – Mîndru,** *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
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**Alexandru Nicolae, Radu-Alexandru Rîmpu, Laurențiu Cserveneak, Milan Alexandru Ciușdic, Mihaela Cazacu, Alexandru Rinovetz, Gabriel Hegheduș – Mîndru, Raul Dănciulescu, Bogdan Petru Rădoi, Ramona Cristina Hegheduș – Mîndru,** *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>42</sub>** Monitoring the technological process of manufacturing some sausages, evaluating their quality indicators  
**Florin Alexandru Pârvu, Ramona Cristina Hegheduș – Mîndru, Cristian Gottvald, Dorina Ionela Curuți, Ioana Luciana Burcă, Ilie Răzvan Boboescu, Alexandru Rinovetz, Teodor Ioan Trașcă, Gabriel Hegheduș – Mîndru**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>43</sub>** Comparisons regarding the evaluation of the quality indicators of some natural fruit juices sold in supermarkets in Timisoara  
**Radu-Alexandru Rîmpu, Laurențiu Cserveneak, Milan Alexandru Ciușdic, Mihaela Cazacu, Daniel Bogdan Platon, Andreea Annemarie Kiss, Alexandru Nicolae, Gabriel Hegheduș – Mîndru, Ramona Cristina Hegheduș – Mîndru**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*



- P<sub>44</sub>** Study on the obtaining and characterisation of a meat product processed by baking  
**Marius Andronache, Ersilia Alexa, Monica Negrea, Iulia Cuzma, Ileana Cocan**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>45</sub>** Study on the production and characterization of canned pork and beef  
**Iulia Cuzma, Ersilia Alexa, Daniela Stoin, Monica Margan, Ileana Cocan**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>46</sub>** Study on the obtaining and characterization of hamburger meat paste  
**Nicoleta Rădulescu, Monica Negrea, Diana Oprețescu, Ileana Cocan**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>47</sub>** Vitamins - nutrients in functional foods  
**Andrei – Marius Gherman, Emanuela – Diana Gherman, Georgeta – Sofia Popescu, Andreea – Annemarie Kiss, Alexandru – Erne Rinovetz, Adrian Riviș, Ariana- Bianca Velciov, Nicoleta – Gabriela Hădărugă**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>48</sub>** Studies on the nutritional principles of red kidney beans  
**Robert Rece, Diana-Lenuța Vîrsta, Alessandra Zarif – Gyulnar, Georgeta – Sofia Popescu, Laura Rădulescu, Alexandru Rinovetz, Maria Drugă, Adrian Riviș, Ariana Velciov, Nicoleta – Gabriela Hădărugă**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*



- P<sub>49</sub>** Nutritional and sensory evaluation of a product with high nutritional value  
**Alessandra Zarif – Gyulnar, Robert Rece, Alexandru Murariu, Georgeta – Sofia Popescu, Alexandru Rinovetz, Maria Drugă, Adrian Riviș, Ariana Velciov, Nicoleta – Gabriela Hădărugă**  
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P<sub>50</sub>** The pear jam. The capitalizing on the nutritional potential of *Pyrus Communis* fruits  
**Elisabeth Spataro<sup>1</sup>, Daniela-Florentina Marcu<sup>2</sup>, Mihaela-Maria Stanciugelu<sup>3</sup>, Nicoleta G. Hădărugă<sup>4</sup>, Maria Ionela Spafiu<sup>4</sup>, Camelia Elena Stoianovici<sup>4</sup>, Florina Radu<sup>4</sup>, Ariana Bianca Velciov<sup>4</sup>, Mariana Atena Poiana<sup>4</sup>, Georgeta Sofia Popescu<sup>4</sup>**  
<sup>1</sup>*Faculty of Biology, Babes- Bolyai University, Street Gheorghe Bilașcu 44, Cluj-Napoca, 400015 Romania;* <sup>2</sup>*“1 Decembrie 1918” University of Alba Iulia, Str. Unirii nr. 15-17, 510009 – Alba Iulia, Romania;* <sup>3</sup>*Faculty of Sciences, "Lucian Blaga" University of Sibiu, 5-7 Ion Ratiu Street, Sibiu, 550012, Romania;* <sup>4</sup>*Faculty of Food Engineering, University of Life Sciences „King Michael I” from Timisoara, Calea Aradului 119, Timișoara, 300645 Romania*