

## International Competition of Student Scientific Works “Black Sea Science 2022”

### Results for the field of “Food Science and Technologies”

| Place | Country    | Institution   | Work Title  | Author(s)                               | Supervisor(s)                          | Score |
|-------|------------|---|---|---|--|-------|
| I     | Serbia     | Faculty of Technology,<br>University of Novi Sad          | ISOLATION OF BIOACTIVE COMPOUNDS FROM HEMP ( <i>Cannabis sativa</i> L.) BY CONVENTIONAL AND NOVEL EXTRACTION TECHNIQUES | Sanja Milošević                         | Branimir Pavlič                        | 96    |
| I     | Ukraine    | Sumy National Agrarian<br>University                      | RESEARCH OF INDICATORS OF QUALITY AND SAFETY OF MAYONNAISE ON THE BASIS OF HEMP OIL AND PROTEIN ISOLATE                 | Ivan Prykhodko,<br>Svitlana Girichenko, | Anna Helikh, Olha<br>Vasylenko         | 96    |
| II    | Ukraine    | Odesa National Technological<br>University                | FUNCTIONAL FOOD INGREDIENTS BASED ON ORGANIC COMPLEXES OF BIOMETALS WITH COMPOUNDS OF POSTBIOTIC ORIGIN                 | Alexander Sirotyuk                      | Antonina Kapustian                     | 96    |
| II    | Kazakhstan | Almaty Technological<br>University                        | MONITORING OF DIFFERENT PUMPKIN VARIETIES FOR PECTIN PRODUCTION   | Aibike Berik, Bayan<br>Sovetzhanova     | Sanavar Azimova                        | 95    |
| II    | Ukraine    | National Academy of the<br>National Guard of Ukraine      | IMPROVEMENT OF RYE-WHEAT BREAD TECHNOLOGY BY APPLYING SUSPENSION NANO SUPPLEMENT  | Ivan Chobotar, Sofiia<br>Chumachenko    | Iryna<br>Tsykhanovska,<br>Lydiia Tovma | 94    |
| III   | Moldova    | Technical University of Moldova                           | DEVELOPMENT OF TECHNOLOGY FOR THE PRODUCTION OF NON-ALCOHOLIC BEVERAGE WITH NATURAL VINEGAR AS A NATURAL CONSERVANT     | Pavel Andronic,<br>Margarita Bem        | Alina Boistean                         | 93    |
| III   | Ukraine    | National University of Life and<br>Environmental Sciences | TECHNOLOGY OF MOUSSE PRODUCTS FROM HYDROBIONTS  | Alona Ternova                           | Menchynska Alina                       | 91    |
| III   | Ukraine    | National University of Food<br>Technologies               | IMPROVING THE EFFICIENCY OF THE FUNCTIONAL MECHATRONIC MODULE FOR LIQUID FOODSTUFFS                                     | Denys Kozik                             | Lyudmila<br>Krivoplyas-<br>Volodina    | 90    |
| III   | Ukraine    | Odessa National Academy of<br>Food Technologies           | PSYLLIUM GEL AS A SUBSTITUTE FOR FAT IN THE COOKIES TECHNOLOGY  | Maryna Bozhko                           | Kateryna<br>Khvostenko                 | 88    |

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|  | Ukraine    | Mykolayiv National Agrarian University       | AMELIORATION OF CREATION TECHNOLOGY OF MEAT PRODUCTS FROM BROILER POULTRY CARCASSES  | Irina Shumylova                                    | Olena Petrova                          | <b>87</b> |
|  | Ukraine    | State biotechnology university               | TECHNOLOGY OF PASTILLE CONFECTIONERY WITH THE USE OF PHYSIOLOGICAL AND FUNCTIONAL INGREDIENTS  | Olena Korabel                                      | Maya Artamonova                        | <b>87</b> |
|  | Ukraine    | National University of Pharmacy              | DEVELOPMENT OF A NEW COSMETIC PRODUCT IN THE FORM OF CREAM   | Yuliia Shevchuk                                    | Halyna Slipchenko                      | <b>87</b> |
|  | Ukraine    | State Biotechnological University            | DEVELOPMENT OF A DUPLEX PCR FOR DETECTION OF GENOMES OF <i>BIFIDOBACTERIUM SPP.</i> AND <i>LACTOBACILLUS SPP.</i> AS A QUALITY CONTROL OF FERMENTED MILK PRODUCTS AND PROBIOTICS | Anastasiia Bondarenko                              | Polina Yurko                           | <b>87</b> |
|  | Ukraine    | Odessa National Academy of Food Technologies | MODERN METHODS FOR GRAIN AND FLOUR QUALITY ASSESSMENT  | Anna Kovalchuk, Yana Beltsova                      | Olha Voloshenko, Nataliya Khorengy     | <b>87</b> |
|  | Ukraine    | Odessa National Academy of Food Technologies | USE OF EXTRACTS FRUIT AND BERRY POMACE IN THE TECNOLOGY OF BEVERAGE AND SYROPS   | Ziuzko Kateryna, Silina Polina, Trofimenko Valeria | Suhachenko Tetiana                     | <b>87</b> |
|  | Ukraine    | Odessa National Academy of Food Technologies | TECHNOLOGY OF PASTA ENRICHED WITH NATURAL PIGMENTS   | Kateryna Korniiichuk                               | Lubov Telejenko                        | <b>84</b> |
|  | Ukraine    | Odessa National Academy of Food Technologies | DEVELOPMENT OF YOGHURT DESSERT FOR FEMALE ATHLETES   | Zlata Podolian                                     | Nataliia Tkachenko                     | <b>84</b> |
|  | Ukraine    | Chernihiv Polytechnic National University    | THE USE OF RYE FLOUR LEAVEN FOR MILK FERMENTATION  | Liudmyla Shcherba                                  | Viktoriiia Cheliabiieva                | <b>83</b> |
|  | Kazakhstan | Baishev University, Aktobe                   | STUDY OF SWEET POTATO HYBRIDS IN THE CONDITIONS OF THE AKTOBE REGION OF THE REPUBLIC OF KAZAKHSTAN   | Zhumaeva Ayim, Zhantorenova Kamila                 | Buktybayeva Aksyrga, Buktybayeva Samal | <b>82</b> |
|  | Ukraine    | National University of Pharmacy              | DEVELOPMENT OF THE COMPOSITION OF THE COMBINED FUNCTIONAL PRODUCT BASED ON SYMBIOTIC STARTER OF LACTIC AND PROPIONIC ACID BACTERIA   | Michailo Lavrentiev                                | Olha Kaliuzhnaia                       | <b>81</b> |

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|  | Ukraine        | Odesa State Agrarian University   | PECULIARITIES OF <i>HETERODERA AVENAE</i> WOLL MONITORING IN THE CONDITIONS OF THE SOUTHERN STEPPE OF UKRAINE    | Inna Balan, Veronika Voznyk                              | Inna Gulaeva                                       | <b>79</b> |
|  | Ukraine        | Odesa State Agrarian University   | THE INFLUENCE OF VARIOUS TYPES OF DEFROSTING ON THE QUALITY INDICATORS OF MEAT RAW MATERIALS                     | Yuliia Mazurenko, Zlata Shnurovenko                      | Zhanna Koreneva, Kateryna Rodionova                | <b>78</b> |
|  | Ukraine<br>USA | National University of Life and Environmental Sciences of Ukraine<br>D. Spencer Institute of California | IMPROVING THE TECHNOLOGY OF YEAST DOUGH MADE IN AN ACCELERATED WAY   | Anastasiya Shven   | Svitlana Popova, Larysa Hopkalo, Yuliya Korchagina | <b>77</b> |
|  | Ukraine        | Cherkasy State Technological University   | NUTRITION OF TOURISTS WHILE TREKKING: REALIA AND PERSPECTIVES  | Yevhenii Adamenko, Vladyslav Chyhyryk                    | Svitlana Bieliaeva, Olena Starinets                | <b>73</b> |
|  | Ukraine        | Odessa National Academy of Food Technologies  | STUDY OF THE FERMENTATION MECHANISM OF THE SYMBIOTIC ORGANISM KOMBUCHA IN A NON-TRADITIONAL NUTRIENT MEDIUM      | Dmytro Kolchak   | Tetiana Afanasieva                                 | <b>73</b> |
|  | Ukraine        | Odessa National Academy of Food Technologies  | THE USE OF CHITOSAN TOGETHER WITH VEGETABLE OIL FOR THE PREPARATION OF CUTLETS FROM SURIMI                       | Sanyuk Andrey  | Didukh Gennadij                                    | <b>72</b> |
|  | Ukraine        | Kyiv National University of Trade and Economics   | TECHNOLOGIES OF DRINKABLE PORRIDGE FOR SPECIAL NUTRITION OF PEOPLE WITH LACTOSE MALABSORPTION AND CELIAC DISEASE | Maksym Heyko, Sofiia Koziya                              | Natalia Prytul'ska, Yuliia Honchar                 | <b>70</b> |
|  | Kazakhstan     | Baishev University  | BOTANICAL ORIGIN OF HONEYS SELECTED IN APIARIES OF DIFFERENT REGIONS OF THE REPUBLIC OF KAZAKHSTAN               | Beibit Zhansaya  | Zhanar Kalybekova, Astragul Kozhabergenova         | <b>69</b> |
|  | Kazakhstan     | Almaty Technological University   | RESEARCH ON THE USE AND SAFETY OF PECTIN SUBSTANCES OBTAINED FROM VEGETABLE RAW MATERIALS IN BREAD PRODUCTION    | Kasymzhanova Zeynep, Tursynbek Aikerim, Shakhieva Zamira | Zheldybayeva Ainur                                 | <b>69</b> |
|  | Ukraine        | Kherson State Agrarian and Economic University  | PRODUCTION OF COMBINED MEAT-CONTAINING PRESERVES OF A FUNCTIONAL DIRECTION                                       | Viktoriiia Radchenko, Svyatoslav Vereshko                | Iryna Riapolova, Igor Chernyshov                   | <b>66</b> |

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|  | Ukraine    | Vinnytsia National Agrarian University  | IMPROVEMENT OF CHEESE PRODUCTION TECHNOLOGY WITH HIGH TEMPERATURE OF SECOND HEATING USED  | Tatiana Bondarchuk, Victoria Kosenko | Alla Solomon                             | <b>57</b> |
|  | Ukraine    | Vinnytsia trade and economics institute, Kyiv National trade and economics university | DEVELOPMENT OF WHEY DRINK TECHNOLOGY  | Bilokur Bogdan                       | Fialkovskaya Larisa                      | <b>53</b> |
|  | Kazakhstan | Baishev University  | DETERMINATION OF PHYSICO-CHEMICAL COMPOSITION OF MILK IN ENDOMETRY OF COWS                | Kubataeva Aishagul                   | Sharipova Aigerim, Baktygalieva Assemgul | <b>52</b> |
|  | Kazakhstan | Almaty Technological University   | DEVELOPMENT OF TECHNOLOGY FOR THE PRODUCTION OF HARDENED ICE CREAM FROM FOOD CONCENTRATES | Sarah Ratova                         | Shambulova Gulnara Hasanbekovna          | <b>50</b> |
|  | Kazakhstan | Almaty Technological University   | DEVELOPMENT OF TECHNOLOGY FOR THE PRODUCTION OF COFECTIONERY PRODUCTS FROM MELON CROPS    | Brindyukova A.A., Petrenko Y.A.      | Tlevlessova D.A.                         | <b>46</b> |
|  | Kazakhstan | Baishev University  | THE RESEARCH COMMON CARPS IN THE EMBA RIVERS' OF AKTOBE REGION, BAYGANIN AREA             | Akmurzin Meirim                      | Sharipova Aigerim                        | <b>25</b> |