



International Congress on Oil and Protein Crops



2-4 November, 2023

Megasaray Westbeach Hotel, Antalya, Turkey

PROTOIL 2023 CONGRESS PROGRAM



TÜRKİYE CUMHURİYETİ'NİN YÜZÜNCÜ YILI

PLENARY SESSION

THURSDAY, NOVEMBER 2ND, 2023

08 ³⁰ - 09 ⁴⁵	Registration
09 ⁴⁵ - 10 ⁰⁰	Opening Ceremony
10 ⁰⁰ - 12 ⁰⁰	OPENING SESSION: Session Chair: PROF DR. BULENT UZUN , Akdeniz University, Turkey
10 ⁰⁰ - 10 ³⁰	Prof Dr Cengiz TOKER , Vice-Rector, Akdeniz University, Turkey “ <i>Exploration, evaluation and exploitation of wild species of cool season food legumes</i> ”
10 ³⁰ - 11 ⁰⁰	Dr Vladimir MIKLIC - Novisad Research Inst, Serbia “Sunflower hybrid seed production - chalenges and perspectives”
11 ⁰⁰ - 11 ³⁰	Dr Etienne PILORGE , Terres Inovia, FRANCE – “Oil & Protein Crops Sector in Europe”
11 ³⁰ - 12 ⁰⁰	Ebru AKDAG , President of Plant Based Foods Assoc, TURKEY – “Food Processing in Oil & Protein Crops”
12 ⁰⁰ - 13 ⁰⁰	LUNCH

1 st Ses	MAIN HALL Session Chair: Prof Dr DRAGANA MLADINOVIC
1 13 ⁰⁰ -13 ³⁰	KEYNOTE SPEECH: Development of Chlorsulfuron Resistance Soybeans by EMS Mutagenesis - Rustem Ustun, <u>Bülent Uzun</u>
2 13 ³⁰ -13 ⁵⁰	Effects of Different Polyethylene glycol (PEG) Concentrations on Germination and Root Length of Soybean [<i>Glycine max</i> (L.) Merr.] - <u>Ousseini Kiemde</u> , Moin Qureshi, Birgul Guden, Engin Yol, Bülent Uzun
3 13 ⁵⁰ -14 ¹⁰	Characterization of the <i>Sclerotinia sclerotiorum</i> population on soybean and sunflower in South Africa to improve resistance breeding strategies - <u>Chrisna Steyn</u> , Carmen Meyer, Adré Minnaar-Ontong
4 14 ¹⁰ -14 ³⁰	Development of South African soybean lines with resistance to sudden death syndrome - Adré Minnaar-Ontong, Henry John Basson, Ansori Maré, Rouxlene Van Der Merwe, Chrisna Steyn
5 14 ³⁰ -14 ⁵⁰	Breeding for pod-shattering resistance in vegetable-type soybean - <u>Rouxlene Van Der Merwe</u> , Kelvin Hlatshwayo, Ansori Maré, Adré Minnaar-Ontong, Qiuying Zhang
14 ⁵⁰ -15 ⁰⁰	Discussion
15 ⁰⁰ -15 ³⁰	Coffee Break
2 nd Ses	MAIN HALL Session Chair: Dr Etienne PILORGE
6 15 ³⁰ -15 ⁵⁰	Diagnosis of agricultural practices of quinoa culture in Algerian arid regions - <u>Hassina Hafida Boukhalfa</u> , Mahdjouba Habbas
7 15 ⁵⁰ -16 ¹⁰	The nutritional value of two fodder plants (<i>Medicago sativa</i> L. and <i>Cyperus rotundus</i> L.) - <u>Farhi Kamilia</u> , Hassina Hafida Boukhalfa, Kahramen Deghnouche, Rahal Sara
8 16 ¹⁰ -16 ³⁰	Census of the Entomofauna and the Adventice Flora subservient to the culture of quinoa - <u>Farhi Kamilia</u> , Tiar Sara, Hassina Hafida Boukhalfa, Mahdjouba Habbas
9 16 ³⁰ -16 ⁵⁰	Comparative assessment of the physiological and morphological effects of an organic fertilizers versus a chemical fertilizer on green beans (<i>Phaseolus vulgaris</i> L.) - <u>Sihem Ziouche</u> , Bourahla Amel, Hizia Kelaleche
10 16 ⁵⁰ -17 ¹⁰	Development of organic soybean growing in Poland - Józef Tyburski
17 ¹⁰ -17 ²⁰	Discussion
17 ²⁰ -17 ³⁰	POSTER SESSION
20 ³⁰ -23 ³⁰	GALA NIGHT (FASIL MUSIC & TURKISH DANCE ENTERTAINMENT)

3 RD Ses	FRIDAY, NOVEMBER 3 RD , 2023	
09 ³⁰ -12 ⁰⁰	MAIN HALL Session Chair: Prof Dr Rouxlene Van Der MERWE	
11 09 ³⁰ -10 ⁰⁰	KEYNOTE SPEECH: Toward Development of Climate Resilient Varieties: Genome-Wide Association Analysis for Heat Tolerance in Chickpeas - <u>Bunyamin Tar'An</u>	
12 10 ⁰⁰ -10 ²⁰	Expanding the Genetic Base of Flax for Improvement of Biotic and Abiotic Stress Tolerance - <u>Xinjie Yu</u>	
13 10 ²⁰ -10 ⁴⁰	Novel and simple crossing technique in oil seed crop sesame (<i>Sesamum indicum</i> L.) <u>Sirisha A.b.m.</u> , Tulasi Lakshmi T, Haseena Banu Sk, Saritha R	
10 ⁴⁰ -10 ⁵⁰	Enhancing Sesame Productivity for Livelihood and Economic Improvement in Sudan - <u>Mohammed Elsafy</u> , Amro Babiker Hassan, Tilal Sayd Abdelhalim, Eva Johansson	
10 ⁵⁰ -11 ¹⁰	Coffee Break	
14 11 ¹⁰ -11 ³⁰	Tests for the cultivation of sunflower in the agro-climatic conditions of Latvia - <u>Ievgen Lebedenko</u> , Pēteris Lakovskis, Sanita Zute	
15 11 ³⁰ -11 ⁵⁰	Investigation of Different Light Models in Speed Breeding for Developing Accelerating Generation Time and Development in Pea - <u>Ayşe Nuran Çil</u> , Durdane Mart, Dilek Tekdal, Meltem Türker, Zeynep Üçdağ	
11 ⁵⁰ -12 ⁰⁰	Discussion	
12 ⁰⁰ -13 ⁰⁰	LUNCH	
13 ⁰⁰ -19 ⁰⁰	CONGRESS CITY TOUR	

3 RD Ses	SATURDAY, NOVEMBER 4 TH , 2023	
09 ³⁰ -12 ⁰⁰	MAIN HALL Ses Chair: Prof Dr Leonardo VELASCO	ONLINE HALL 2 Ses. Chair: Assoc Prof Dr Necmi BEŞER
16 09 ³⁰ -10 ⁰⁰	KEYNOTE SPEECH: Production Methods of Virgin Coconut Oil: The Impact on Nutrients & their Biological Activities- <u>Kun Harismah</u> , Necmi Beser, Rois Fatoni, Mahmoud Mirzaei, Kun Arsanti Dewi	Preparation of CuO-TiO ₂ Binary Nanocomposites for the Superior Photocatalytic Degradation of Rhodamine B: Morphological and Structural Properties - <u>Nazli Turkten</u> , Yeliz Akpınar, Yunus Karatas
17 10 ⁰⁰ -10 ²⁰	In rural areas internet connection problems and solution recommendations experienced in the process of using smart agriculture methods in olive farming - <u>Hande Uçar Özkan</u> , Muzaffer Kerem Savran, Serkan Kaptan, Izzet Sağlam	Effects of Different Salt Doses on Seedling Growth and Relative Water Content of Sunflower (<i>Helianthus annuus</i> L.) - Ömer Çevik, Mehtap Gürsoy, Seher Karaman, <u>Emrullah Culpan</u>
18 10 ²⁰ -10 ⁴⁰	Global policy to eliminate trans fats by 2023 and the situation of packaged food in Turkey - <u>Necattin Cihat İçyer</u> , Nesrin Kuran	Neglected and Underutilized a Crop in Turkey: Linseed (<i>Linum usitatissimum</i> L.) - <u>Emrullah Culpan</u>
19 10 ⁴⁰ -10 ⁵⁰	Valorization of local natural resources in livestock feed in arid regions of Algeria - <u>Kahramen Deghnouche</u>	Recent Advances in the Use of Agricultural-Based Materials for Wastewater Treatment - <u>Nazli Turkten</u> , Yunus Karatas
10 ⁵⁰ -11 ¹⁰	Coffee Break	Coffee Break
20 11 ¹⁰ -11 ³⁰	Dietary Intervention of Betalains from <i>Amaranthus viridis</i> for Detoxification of Environment-Induced Oxidative Stress - <u>Rahat Naseer</u>	Prediction of prion-like protein domains in irradiated and control samples of the pea seedlings - <u>Namik Rashydrov</u> , Natalia Kutsokon
21 11 ³⁰ -11 ⁵⁰	Phytochemistry and antioxidant activity of <i>Ceratonia siliqua</i> L. Seeds extracts - <u>Belhattab Rachid</u> , Boukezzoula Hasna, Rebbaj Fadia	Variability of <i>Amaranthus cruentus</i> L. cv. Pribina PBA and CDDP profiles under the treatment of heavy metals - <u>Dagmar Moravčíková</u> , Silvia Farkašová, Jana Žiarovská
11 ⁵⁰ -12 ⁰⁰	Discussion	Discussion
12 ⁰⁰ -13 ⁰⁰	LUNCH	LUNCH
4 th Ses	MAIN HALL Session Chair: Prof Dr Bunyamin TAR'AN	ONLINE HALL 2 Session Chair: Dr Abdulkadir AYDOĞAN
22 13 ⁰⁰ -13 ³⁰	Functional Properties of Starch extracted from landraces of Algerian Pearl Millet using various techniques, including wet milling and Ultrasound - <u>Bouhallel Sarra</u> , Sara Legbedj, Boubekeur Nadjemi	Genetic structure and variability parameters of <i>Lathyrus sativus</i> L. European collection - <u>Barbara Pipan</u> , Creola Brezeanu, Sofia Petrova, Lovro Sinkovič, Marina Antić, Penelope Bebeli, Miguel A. Pinheiro De Carvalho, Aleksandra Savić, Ana Marjanović Jeromela, Silvia Strajeru, Marina Burlyaeva, Vladimir Meglič
23 13 ³⁰ -13 ⁵⁰	Extraction and characterisation of milk thistle seed protein: An optimization study - <u>Fatih Bozkurt</u> , Muhammed Özgölet, Zeynep Hazal Tekin Çakmak, Salih Karasu, Osman Sagdıç	The effect of adding canola oil to diesel fuel on engine power, fuel consumption, and emissions - Erdal Tunçer, <u>Dinçer Akal</u> , Taşkın Tez, Ayşegül Efendioğlu, Mustafa Acar
24 13 ⁵⁰ -14 ¹⁰	Physical Chemistry Analysis, Anatomical Study and Antioxidant Activity of <i>Rosmarinus officinalis</i> - Souad Djellali, <u>Rachid Sahraoui</u>	Change of protein and tryptophan amount in fresh, dry, and canned seeds of some peas genotypes - <u>Reyhan Aydın</u> , Hatice Bozoğlu
25 14 ¹⁰ -14 ³⁰	Chemical composition of essential oil from medicinal plant and anti microbial activity - <u>Chouitah Ourida</u>	Yield Enhancement of water stressed chickpea genotypes by inoculation with rhizobia - Sabrina Khensous
26 14 ³⁰ -14 ⁵⁰	Assessing the nutritional value of forage plants in arid regions of Algeria - <u>Kahramen Deghnouche</u> , Hassina Hafida Boukhalfa & Farhi Kamilia	Soil fertility, productivity and carbon stocks of different oil palm (<i>Elaeis guineensis</i>) hybrids in Tungabhadra Command Area of Karnataka - <u>Sanjeevreddi Reddi (Normal)</u>

27 14 ⁵⁰ -15 ¹⁰	Combining ability analysis of sunflower genotypes for yield traits under adverse environment - <u>Wajid Ali Jatoi</u> , Majid Hussain Kaleri & Shahnaz Memon	The effect of plant extracts of <i>Satureja calamintha nepeta</i> , <i>Thymus vulgaris</i> and <i>Eucalyptus globulus</i> on the olive psyllid <i>Euphyllura olivina</i> Costa (Homoptera: Psyllidae) - <u>A. Guessab</u> , M., Elouissi, F. Lazreg (Normal)
15 ¹⁰ -15 ²⁰	Discussion	Discussion
15 ²⁰ -16 ⁰⁰	POSTER SESSION	
16 ⁰⁰	CLOSING OF THE CONGRESS	

POSTER SESSION

All posters will be exhibited e poster during the congress in the main hall as well as in the internet as online.

#	TITLE AND AUTHORS	
1	Phytochemistry and antioxidant activity of <i>Ceratonia siliqua</i> L. Pulp extracts - <u>Belhattab Rachid</u> , Benabas Nourelhouda, Faid Ouarda	
2	Evaluation of phytosanitary pressure in cereal growing in an arid region - <u>Hassina Hafida Boukhalfa</u> , Naoual Guehiliz, Kahramen Deghnouche	
3	Content essential macronutrients in the organs of sunflower (<i>Helianthus annuus</i>) - hybrid Deveda depending on the main tillage system - Margarita Nankova 1,2, Nina Nenova	
4	Improvement of bean concentration in the organs of winter wheat varieties depending on the agricultural production system - Margarita Nankova 1,2, Atanas Atanasov	
5	Uses of post-harvest residues and their influence on grain productivity and grain physical properties of winter wheat - Margarita Nankova 1,2, Iliya Iliev	
6	Evaluation of the yield performances of some hybrid sunflower varieties under water and dry conditions - Ibrahim Mehmet Yilmaz 1,2, Samet Saglam, Bayram Serkan Cabar, Veli Pekcan, Ersan Çan	
7	Post-harvest residue treatment effect on the winter wheat productivity - Margarita Nankova 1,2, Iliya Iliev	
8	Seed yield and protein content in some Bulgarian sunflower hybrids - Nina Nenova 1,2	
9	Control of pollen beetle (<i>Meligethes aeneus</i> F.) in oilseed rape using insecticide lambda-cyhalothrin - Slavica Vukovic 1,2, Dragana Sunjka, Sanja Lazic, Antonije Zunic, Dragana Boskovic	
10	Role of post-harvest residue treatment on the wheat productivity, flour properties and bread-making qualities - Sonya Doneva 1,2, Iliya Iliev, Margarita Nankova	
11	Valorization of Olive cake, an Olive Oil Industry by Product, in the Diet of Growing Rabbits - Zahia Dorbane 1,2, Nacima Zirmi-Zembri, Azeddine Mouhous, Dahia Saidj, Si Ammar Kadi	
12	Valorization of Olive Oil Industry Byproduct, Olive Cake, in the Diet of Japanese Quail: Impact on zootechnical performance and health status - Zahia Dorbane 1,2, Dahia Saidj, Azeddine Mouhous, Nacima Zirmi-Zembri, Romeissa Ait Issad, Moula Nassim, Hakima Korteby Mefti, Si Ammar Kadi	
13	In vitro, molecular docking and toxicity prediction of Pine resin extract - Elkolli Meriem 1,2	
14	Evaluation of biological activity of crude extracts from plant used in traditional medicine - Halmi Sihem 1,2, Madi Aicha, Beroual Katiba, Benlakssira Bouchra Souheila	
15	Phytochemical and pharmacological profile of phenolic extracts of pomegranate peel (<i>Punica granatum</i>) - Harchaoui Lilya 1,2, Ouafi Saida, Meguelatti Hassina, Saad Somia	
16	Stereological analysis of the sunflower root seedling - Jadranka Luković 1,2, Aleksandra Rada, Sandra Cvejić, Anna Galinski, Jelena Jocković, Kerstin Nagel, Dunja Karanović, Dragana Miladinović, Laana Zorić	
17	<i>Urtica dioica</i> L., Algerian wild plant with hypoglycemic effect - Madi Aicha 1,2, Halmi Sihem, Zeghad Nadia, Maameri Zineb, Noui Amira, Belkhiri Abdelmalik	
18	Diverse methods to evaluate the antioxydant effect of plant extract - Madi Aicha 1,2, Halmi Sihem, Zeghad Nadia, Maameri Zineb, Noui Amira, Belkhiri Abdelmalik	
19	Antibacterial activity of <i>Carthamus caeruleus</i> plant extracts - Merouani Nawel 1,2, Boukhebt Habiba, Belhattab Rachid	
20	Chromatographic analysis and hypoglycemic activity of two medicinal plants - <u>Ouafi Saida</u> , Harchaoui Lilya, Meguelatti Hassina, Saad Somia	
21	An invasive weed of crops: <i>Oxalis pescaprae</i> – Saouli Nacira 1,2, Hamamid Selma	
22	Effect of Climate Variables on Sunflower Yield in the Republic of Moldova - Maria Duca, Steliana Clapco 1,2, Rodion Domenco	
23	Determining the contribution of the environmental factors in the variation of sunflower seed yield by multivariate analysis - Maria Duca 1, Ana Mutu, Angela Port, Steliana Clapco 2, Ion Gisca	
24	The accumulation of proline and soluble sugars under the low temperatures in some grass and legume meadow in teh semi arid region Setif, Algeria species - Tedjari Nassima 1,2, Charefddine Mouffek	
25	Biochemical, transcriptional and fluorescence spectroscopy analysis of fatty acids in seeds of camelina cultivars grown in organic intercropping system - Marina Marcheva 1,2, Mariana Petkova, Vanya Slavova, Vladislav Popov	
26	Exceptional amaranth seeds - Monika Szabóová 1,2, Monika Lisinovičová, Andrea Hricová	
27	Characterization and antioxidant study of apricot kernel vegetable oil extracted by cold pressing - Saida Touzouirt 1,2, Narimene	

	Zeggane, Foudil Rahal, Abdelhamid Abdennouri
28	Protein and Sugar contents, Alkaline DMSO superoxide radical scavenging and antihemolytic potentials of hydroalcoholic extract of watermelon - Amel Bouaziz 1,2, Saliha Djidel, Nihad Berghouth, Assia Assia Bentahar, Saliha Dahamna , Seddik Khennouf
29	Characterization of some corn genotypes in terms of production and protein content - Agapie Alina Laura 1,2
30	Protein and Sugar contents, Alkaline DMSO superoxide radical scavenging and antihemolytic potentials of hydroalcoholic extract of hawthorn fruits - Amel Bouaziz 1,2, Nihad Berghouth, Assia Assia Bentahar, Saliha Djidel, Seddik Khennouf, Saliha Dahamna
31	Insight into radiation developed amaranth seed - analysis of starch and starch-related genes - <u>Andrea Hricová</u> , Monika Lisinovičová, Monika Szabóová
32	Sugar and protein contents, superoxide anion radical scavenging and antihemolytic activities of ethanolic extract of apples (<i>Malus domestica</i> Borkh) - Assia Bentahar 1,2, Nihad Berghouth, Amel Bouaziz, Saliha Djidel, Seddik Khennouf, Saliha Dahamna
33	Evaluation of protein and sugar contents and in vitro antioxidant activity of quince ethanolic extract - Assia Bentahar 1,2, Nihad Berghouth, Amel Bouaziz, Saliha Djidel, Seddik Khennouf, Saliha Dahamna
34	Evaluation of protein and sugar contents and in vitro antioxidant activity of melon ethanolic extract - Assia Bentahar 1,2, Saliha Djidel, Nihad Berghouth, Amel Bouaziz, Seddik Khennouf, Saliha Dahamna
35	Screening of antibacterial activity of <i>Allium sativum</i> - garlic proteins - Chergui Achour 1,2, Nezla Soraya, Titouche Yacine
36	Quality indices variation in seeds of some hemp genotypes - Ciprian Buzna 1,2, Marinel Nicolae Horablaga, Urda Camelia, Anca Panda, Luana Sabo, Florin Sala
37	Evaluation of Anti-inflammatory Activity of Olive oil in paw and intestine of Albino female mice - <u>Lynda Aïnouz</u> , Sofiane Boudjellaba, Fatma Amira Hani, Asma Belkadi, Zineb Benlagha, Sara Kassouri, Mohamed Zaouani
38	Biological activity and efficiency in food preservation of <i>Thymus vulgaris</i> extracts - <u>Rachid Sahraoui</u> , Souad Djellali , Afafe Annane
39	Anti-inflammatory and analgesic effect of ethanolic extract of <i>Citrus reticulata</i> - Saliha Djidel 1,2, Amel Bouaziz, Assia Bentahar, Nihad Berghouth , Seddik Khennouf
40	Anti-inflammatory and analgesic activities of ethanolic extract of <i>Citrus sinensis</i> - Saliha Djidel 1,2, Assia Assia Bentahar, Nihad Berghouth, Amel Bouaziz, Seddik Khennouf, Saliha Dahamna
41	Variation in Seed Protein Content Among Traditional Varieties of Bambara Groundnut (<i>Vigna subterranean</i> (L) Verdc) in South Africa - Eastonce T. Gwata 1,2
42	L-Asparaginase production by <i>Streptomyces hydrogenans</i> CA04 isolated from the Djurdjura Mountain in Algeria: Optimization using Box Behnken Design (BBD) - Chergui Achour 1,2, Houali Karim, Imessaoudene Ali, Kecha Mouloud
43	Phytopathology and molecular investigation of resistances to bacterial and fungal pathogens in common bean mutant and breeding lines - Ivan Kiryakov, Mariana Petkova, Sibel Aziz 1, Veselina Masheva, Fatma Sarsu, Nasya Tomlekova 2
44	Drought stress tolerance in common bean mutant and breeding lines: Physiology and proteomics response - Sibel Aziz 1, Petko Mladenov, Ulku Guler, Bora Onat, Sébastien Planchon, Elena Topalova, Veselina Masheva, Ivan Kiryakov, Jenny Renaut, Bekir Salih, Fatma Sarsu, Nasya Tomlekova 2
45	Proteome effect of drought stress in pepper mutant lines - <u>Nasya Tomlekova</u> , Christof Lenz, Krum Bardarov, Ivelin Pantchev, Atanas Atanassov
46	Expanding Genetic Variability and Trait Improvement of Staple Crops: Insights from IFVCNS sunflower, wheat and Brassicas programs - Ana Marjanović Jeromela 1,2, Ankica Kondić-Špika, Sandra Cvejić, Dragana Trkulja, Svetlana Glogovac, Aleksandra Radanović, Dragana Rajković, Dragana Miladinović
47	Evaluation of hybrid forms, originated from wild <i>Helianthus</i> species on some biochemical characteristics - <u>Daniela Valkova</u> , Nina Nenova
48	The drought effect on leaf SPAD value of sesame (<i>Sesamum indicum</i> L.) accessions - Moin Qureshi, Engin Yol 1,2
49	The study on the variability of productive and qualitative components of some mustard genotypes - Gabriela Gorinoiu 1,2, Alexandru Popovici, Alina Ruja, Agapie Alina Laura, Petru Rain, Ciprian Buzna
50	Cytogenetic study of some species of medicago genus - <u>Halmi Sihem</u> , Madi Aicha, Beroual Katiba, Benlakssira Bouchra Souheila
51	Using of heterosis selection in peanuts (<i>Arachis hypogaea</i> L.) - Stanislav Stamatov, Veselina Masheva 1, Katya Uzundzhaliyeva 2
52	Using of heterosis selection in sesame (<i>Sesamum indicum</i> L.) - Stanislav Stamatov, Veselina Masheva 1, Katya Uzundzhaliyeva 2
53	Breeding and agronomic comparison between spring and winter varieties of <i>Camelina sativa</i> in Italy - Martina Ghidoli 1,2, Filippo Geuna, Sara Frazzini, Stefano De Benedetti, Alessio Scarafoni, Luciana Rossi, Roberto Pilu
54	Genome-Wide Association Studies of Salinity Tolerance in Mungbean at the Vegetative and Reproductive Stage - Md Shahin Iqbal 1,2, Candy M Taylor, Lukasz Kotula, Al Imran Malik, William Erskine
55	Polimorphism of grain storage proteins in triticale lines of CIMMYT origin - Sonya Doneva 1,2, Hristo Stoyanov
56	Overview on the Romanian soybean quality - Urda Camelia 2, Rezi Raluca 1, Negrea Adrian
57	The impact of perennial flower strip on the colonization of winter rape plant by selected pest and beneficial species - Jolanta Kowalska 1,2, Krzymińska Joanna
58	Monovarietal oils from millennial olive trees in Tunisia - Sameh Mnasri, Olfa Saddoud Debbabi, Fathi Ben Amar, Maria Dellino, Cinzia Montemurro, Monica Marilena Miazzi 1,2
59	Fatty acid composition and yield components of hemp (<i>Cannabis sativa</i> L.) genotypes of different origins cultivated in Latvia - Inga Morozova 1,2, Veneranda Stramkale, Larisa Cernova
60	The challenge of breeding for reduced off-flavour in faba bean ingredients - Antonio Lippolis 1,2, Luisa Trindade

61	Improvement of bean plant traits by induced mutagenesis - Ariana Ylli 1,2, Malvina Kodhelaj
62	Safflower: A source of beneficial floral tea - Aybatsha Zhubanysheva 1,2, Anuar Zhubanyshev, Svetlana Didorenko, Yerlan Zhatkanbayev, Kanagat Baymagambetova
63	Legumes in terms of sustainable agricultural practices for global warming and climate change - <u>Abdulkadir Aydođan</u> , Elif Atasayar, Havva Vildan Kiling, Ersin Kavlak, Murat Balaban, Fazıl Düşünceli
64	SSR markers linked to corolla color and nuclear-male sterility in safflower - Yamen A. S. Hamdan, <u>Leonardo Velasco</u> , Begoña Pérez-Vich