C4-17

Effects on Biodiversity of The Biocidal Applications in Jit Areas of The Van, Tuşba Settlement

Özgökçe F., Özgökçe, M. S., Cellat, N.

***International Symposium on Biodiversity and Edible Wild Species, BEWS2017*, 4 April 2017, Hall 2, OP.4, 11.00-12.30, Gıda Tarım ve Hayvancılık Bakanlığı, Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü, Miracle Resort Otel, Antalya**

C4-17

Symposium Program
Oral Presentations

3 April 2017		
Hall 1		
08.30-09.30	Registration	
09.30-10.00	Opening talks	
Dr. Yusuf Arslan - *President of Field Crops Department TAGEM, National Coordinator of Biodiversity for Food and Nutrition (BFN) Project*		
Assoc.Prof.Dr. Burcu Tarıkahya Hacıoğlu - *Coordinator of Biodiversity and Researches in Genetic Resources*		
10.00-10.20	Coffee break	
10.20-12.30	Keynote talks	
Nezahat Gökyiğit Botanic Garden and its activities related to plant diversity of Turkey		Adil Güner
Using Crop Wild Relative Diversity to Underpin Global Food Security		Nigel Maxted (Maxted, N., Vincent, H., Castañeda Alvarez, N., Kell, S., Magos Brehm, J.)
Wild Edible Fruits: Rich Source of Biodiversity		Sezai Ercişli
Evolutionary Studies in Brassicaceae:Molecules and Morphology meet Ecology		Klaus Mummenhoff
12.30-13.30	Lunch break	
13.30-14.00	Poster session 1	
Hall 1-Afternoon Session Chairs: Prof.Dr.Sezai Ercişli and Dr.Arzu Ünal		
14.00-15.30	Biodiversity for food and nutrition: Edible wild plant species of Aegean Region of Turkey	Tan, A, Adanacioglu, N., Karabak, S., Aykas, L., Taş, N., Taylan, T.
	Biodiversity for Nutrition and Food Project Black Sea pilot region surveys	Özbek, K., Karabak, S., Murat-Duran, R., Sarı, N., Taşcı, R., Aysar, N., Yüce-Arslan, H., Deniz, D.
	Mediterranean Region study of "Mainstreaming biodiversity conservation and sustainable use for improved human nutrition and wellbeing" Project	Tuğrul Ay, S., Çınar, A., Ayas, F., Yüksel, K., Çınar, O., Karabak, S.
	Economic and socio-cultural importance of edible wild species	Karabak, S.
	Nutritional properties of some wild edible species in Turkey	Guzelsoy, N. A., Ucurum, O., Tokat, E., Tan, A., Tugrul Ay, S., Ozbek, K.
	Foxtail lilly (*Eremurus spectabilis* M.Bieb) as priority species of biodiversity for "Food and Nutrition Project" of Turkey	Tuğrul Ay, S., Çınar, A. Ayas, F., Karabak, S., Güzelsoy, N., Uçurum, Ö.
15.30-15.50	Coffee break	
15.50-17.50	The antioxidant capacities of wild species collected from Turkey within the GEF-funded Biodiversity for Food and Nutrition (BFN) Project	Ayas, F., Yüksel, K., Çınar, O., Vuran, F. A., Tuğrul, Ay S.
	Immobilization of *Bacillus licheniformis* protease to produce cow milk not causing protein allergy	Aslan, Y., Ömerosmanoğlu, D.
	Sea beets (*Beta vulgaris* subsp. *maritima*), wild edible and home garden beets of Turkey	Tan, A, Adanacioğlu, N., Karabak, S., Aysar, N., Tan, A. Ş., Aykas, L.
	A traditional underutilized crop of Turkey: Cowpea (*Vigna unguiculata* (L.) Walp.) landraces	Kır, A., Tan, A., Adanacıoğlu, N., Karabak, S., Aysar, N.
	Research on the nutritional value of *Arum dioscoridis* (Araceae) which is used as a traditional dish 'Tirşik' in Turkey	Alpınar, A., Ayas, F.

	Determination of safflower (*Carthamus tinctorius* L.) biodiesel diesel fuel mixture of common-rail system performance diesel engine effect	Özçelik, A. E., Acaroğlu, M., Aydoğan, H.
	Nutritive value and molecular identification of samphire species consumed in Turkish market	Yaprak, A. E., Sağdıçoğlu-Celep, G.
	Insects for human food: Can Africa take the lead in production and consumption?	Ayieko, M. A., Oyieke, H. A.
17.50-18.30	Poster session 2	
Hall 2 Afternoon Session Chairs: Prof.Dr.Adil Güner and Assist.Prof.Dr. Faheem Shehzad Baloch		
14.00-15.30	Conservation and protection of biodiversity in Morocco: Actual situation and perspective in the future	Haddane, B.
	Identification of conserved microRNA sequences in einkorn wheat (*Triticum monococcum* spp. *monococcum*) by small RNA sequence analysis	Ünlü, E. S., Bataw, S., Zencirci, N.
	Domestication and progenitor populations of oat wild relatives in Turkey	Dumlupinar, Z., Bisaga, M., Paczos-Grzeda, E., Langdon, T.
	Molecular characterization of Jordanian wild barley (*Hordeum spontaneum*) genotypes revealed by SSR	Shakhatreh, Y., Baum, M., Haddad, N., Ceccarelli ,S., Grando, S., Alrababah, M.
	Genetic diversity and population structure of *Populus euphratica* (Salicaceae) in Southeastern region of Turkey	Kansu, Ç. , Kaya Z.
	Vermicompost and vermiculture	Mısırlıoğlu, M., Şen, O., Temel, V.
15.30-15.50	Coffee break	
15.50-17.30	Mirza (Hacızade) Gökgöl (1897–1981) – great frontier of wheat genetic resources in Turkey	Zencirci, N.. Knüpffer, H., Karagöz, A., Garaybayova, N., Yılmaz, H., Özkan, H., Kilian, B., Hammer, K.
	In vitro plant regeneration of Libyan wild plants: Edible species (*Arbutus pavarii*) and endangered species (*Haplophyllum tuberculatum*. Forsk. juss)	Elmagrabi, A. M., Hamud, S., Abugnia, E.
	Phylogeny of the genus *Noccaea* Moench. (Brassicaceae) and a critical review of its generic circumscription	Özüdoğru, B., Özgişi K., Tarıkahya Hacıoğlu, B., Ocak, A., Mummenhoff, K.
	Conservation status of endemic and rare plants of Küre Mountains National Park (Bartın Section)	Tunçkol, B., Aksoy, N., Çoban, S., H. Zengin
	Reassessment of *Mentha* species from Kunhar River catchment using morphological and molecular markers	Ahmad, I., Ahmad, H., Khan, S. U., Razaq, A.
	An attempt to solve the taxonomic confusion of *Thlaspiceras* F.K.Mey. (*Noccaea*-Brassicaceae) complex with ISSRs	Özgişi, K., Ocak, A., Tarıkahya-Hacıoğlu B.
	Investigation of geographic origin influence on Tunisian *Citrus aurantium* L. leaves essential oil chemical composition	Ines, E., Hajer, D. , Manef, A.
17.30-18.30	Poster session 2	
4 April 2017		
Hall 1 Morning Session Chairs: Prof.Dr.Kuddusi Ertuğrul and Assist.Prof.Dr. Yasin Emre Kitiş		
09.00-10.45	Wild fruits species growing in Bolu	Muttalip Gündoğdu Sameeullah, M.
	Ethnobotanical study of local root and tuber crops in Aranayaka, Sri Lanka in relatedness to food and indigenous medicinal value	Godamulla, D., Sartaj, A.B., Samarasinghe, W.L.G., Tennakoon, T.M.C.N.

	Optimization of process conditions for developing yogurt-like product with *Silybum marianum*(milk thistle)	Otağ, F. B., Özer, Ç., Aytaç, A. Sağlam, F.
	Ethnobotanical study of traditional medicinal plants in and around Fiche District, Central Ethiopia	Enyew, A., Asfaw, Z., Kelbessa, E., Nagappan, R.
	Some ethnobotanical notes from Sakarya (Turkey)	Şenkardeş, İ., Bulut,İ., Doğan, A., Tuzlacı, E.
	Hulled wheats (*Triticum monoccocum* L. and *T.diccocum* Schübl.) of Turkey	Özbek, K., Tan, A., Karabak, S., Aysar, N., Aykas, L., Yildiz, A., Taşcı, R., Güner, B., Deniz, D.
	Determination of fruit characteristics of naturally grown rose hip (*Rosa canina* L.) genotypes collected from foothills of Erciyes Mountain	Uzun, A., Yılmaz, K. U., Pınar, H., Yaman, M., Büyükakkaşlar, S., Fidan, A.
10.45-11.00	Coffee break	
11.00-12.30	Methyl jasmonate plays an important role in the maintaining of blueberry fruit quality during cold storage	Öztürk, B., İslam, A., Karakaya, O., Yıldız, M., Gün, S.
	Effects of *Aloe Vera* and MAP treatments on bioactive compounds of cherry laurel fruits throughout cold storage and shelf life	Öztürk, B, Bulut, B., Karakaya, O., Uzun, S.
	Ethnobotany at the Southeastern Anatolia region	Akan, H.
	Two edible *Leucoagaricus* Species newly reported from Turkey	Uzun, Y., Acar, İ., Akata, I.
	Wild edible mushrooms species available in local markets of Black Sea Region	Akata, I.
	Household gardening with traditional African vegetables to improve diets of children and young women in East Africa	Roothaert, R., Afari-Sefa, V., Schreinemachers, P.
12.30-13.30	Lunch break	
13.30-14.00	Poster session 3	
Hall 1 Afternoon Session Chairs: Prof.Dr.Hasan Akan and Dr. Cuma Karaoğlu		
14.00-15.30	In silico based identification of organic acids and sugars transporters encoding gene families in Rosaceae family members of apple, peach and strawberry	Sameeullah, M., Gündoğdu, M., Canan, İ.
	Helabojun- A successful model of agri-food business in Sri Lanka	Weligamage, D., Kasthuriarachchi, R., Samarasinghe, W.L.G. and Hunter, D.
	Wild mushrooms as source of nutrients and nutraceuticals	Atila, F.
	Promoting use of underutilized spp. for improved nutrition and livelihood strategies for Sri Lanka	Sartaj, A.B., Samarasinghe, W.L.G., Tennakoon, T.M.C.N., Hunter, D.
	Economically important wild mushroom saffron milk cap (*Lactarius deliciosus* (L.) Gray) of Aegean Region, Turkey	Adanacioğlu, N., Tan, A., Karabak, S., Güzelsoy, N., Ayas, F., Aykas, L., Taş, N., Taylan, T.
	Molecular, morphological and phenological characterization of Cırgalan pepper genotypes grown at Central Anatolia of Turkey	Pınar, H., Gun, A.E., Uysal, E., Coskun, Ö., Coşkun, F., Yiğit, M. Dilfuruz, T. Seher Toprak, S.
15.30-15.50	Coffee break	
15.50-17.50	Phytoestrogenic effect of soybean	Altan, M.
	Effects of soybeans on Parkinson disease	Murat Açık, Funda Pınar Çakıroğlu
	Effect of St. John's Wort (*Hypericum perforatum)* on obesity	Gamze Yurtdaş, Efsun Karabudak

	Carob bean (*Ceratonia siliqua* L.) and it's products	Pazır, F, Alper, Y.
	Coffee and type-2 Diabetes Mellitus	Başpınar, B., Özçelik, A. Ö.
	Rosemary (*Rosmarinus officinalis* L.) and cancer	Ayşe Nur Songür, Funda Pınar Çakıroğlu
	Two new edible wild plant species from Karaman province (Turkey): *Ornithogalum lanceolatum* Labill and *O. neurostegium* Boiss&C.I. Blanche ex Boiss (Asparagaceae)	Ertuğrul, K., Tugay, O.
	Emergence, growth behaviour and nutritional quality of *Capparis decidua* under drought stress	Younus, M., Nouman, W., Zubair, M., Manzoor, S., A.
17.50-18.30	Poster session 4	
20.00-24.00	Gala Dinner	
Hall 2 Morning Session Chairs: Prof.Dr.Yeşim Yalçın Mendi and Dr.Necla Taş		
09.00-10.45	An interesting gypsum endemic: *Alyssum nezaketiae* Aytaç & H. Duman and its conservation	Sahin, B., Oya, G.
	In vitro screening for salt tolerance in some citrus rootstocks	Pınar, H., Seday, U., Altunoz, D., Unlu, M., Uzun, A.
	Morphological characterization of Turkish sorghum (*Sorghum bicolor* L.) landrace	Kaplan, M., Temizgül, R., Yılmaz, M. F., Kale, H., Kardeş, Y. M., Tal, E., Akar, T.
	Nuclear DNA content and ploidy variation in *Phleum* L. populations collected from Mountanious Regions of Eastern Turkey.	Göçmen, D. B., Savaş-Tuna, G., Şahin, B., Tuna, M.
	Nature of Cilo-Sat (Hakkâri) Mountains and It's plant biodiversity	Fırat, M.
	Estimation of biodiversity of Eastern Black Sea mixed forests	Mısır, N., Şatıroğlu, S.
	Physical and biochemical changes of sorrel (*Rumex acetosella* L.) plant preserved under different temperature conditions	Seçmen, T., Onursal, C. E., Güneyli, A., Erbaş, D.
10.45-11.00	Coffee break	
11.00-12.30	Molecular characterization of natural *Pancratium maritimum* L. populations by RAPD and SSR markers	Bilgen, B.B., Elibol, C.
	Preservation and micropropagation of *Cyclamen* species using biotechnological methods	İzgü, T., Sevindik, B., Tütüncü, M., Çürük, P., Şimşek, Ö., Kaçar, Y. A., Mendi Y. Y.
	Microprogation studies of *Arum italicum* Miller	Ahmed, H.A.A., Uranbey, S.
	Morphological and chemical diversity in landraces of cultivated aromatic plants in Turkey	Telci, İ.
	Exploitation of groundnut and sesame collections in Southern Turkey	Yol, E.
	Effects on biodiversity of the biocidal applications in jit areas of The Van, Tuşba Settlement	Özgökçe F., Özgökçe, M. S., Cellat, N.
12.30-13.30	Lunch break	
13.30-14.00	Poster session 3	
Hall 2 Afternoon Session Chairs: Prof.Dr.Klaus Mummenhoff and Dr. Barış Özüdoğru		
14.00-15.30	The three main questions of endemism: why, how and where? The geodatabase of the endemic plants of Turkey	Şenkul, Ç., Kaya, S.
	An alternative natural wastewater treatment method for improvement of water quality and conservation of biodiversity in-streams	Tunçsiper, B.
	Ecological features and diversity and of *Suillus* species in Turkey	Akata, I.

	Gymnopus members determined in Hakkari Province	Acar, İ., Uzun, Y., Akata, I.
	The sociability-density status of *Cyclotrichium niveum* (Boiss.) Manden.&Scheng. endemic species showing natural distribution in Adıyaman Province and the comparison of different locality populations in terms of essential oil contents	İnan, M., Tel, A. Z.
	Plant and habitat richness of Iraq	Khedır Galalay, A.M., Uzun, A.
15.30-15.50	Coffee break	
15.50-17.50	Assessment of wild edible plants for antidiabetic activity via inhibition of a-amylase enzyme	Özek, G.
	Determination biological activity and active substances of local endemic *Laserpitium carduchorum* Hedge & Lamond (Apiaceae-Umbelliferae)	Erez, M.E., Pınar, S. M., Dalar, A., Fidan, M., Eroglu, H.
	Enzyme inhibition and free radical scavenging activities of wild collected *Thymbra sintenisii* Bornm. et Aznav. subsp. *sintenisii* Bornm. et Aznav. from Turkey	Özek, T., Yur, S., Yıldız, G., Tekin, F., Göger F., Özek, G.
	Some bioactive properties of five wild mushroom species collected from Trabzon	Yılmaz, A., Yıldız, S., Kılıç, C., Can, Z., Sesli, E.
	Comparative vegetative anatomy of some *Carthamus* L. (Asteraceae) species grown in Turkey	Tüzün, C. Y., Tarıkahya-Hacıoğlu, B., Arslan, Y., Subaşı, İ., Bülbül, A. S.
	Durum wheat in central Fertile Crescent; Biodiversity, characterization and utilization	Baloch, F.S., Alsaleh, A., Çiftçi, V., Nadeem, M.A., Cömertpay, G., Aktaş, H., Özkan, H., Hatipoğlu, R.
	Determination of in vitro multiplication efficiency of some selected *Pyrus elaeagrifolia* genotypes from Turkey	Uzun, A., Pınar, H., Yiğit, M. Coşkun, Ö. F., Gün, A. E. Dilfuruz, T., Uysal,E.
	Genetic diversity and transferability of bread wheat SSR markers to wheatgrass (*Agropyron intermedium* (Host) P.Beauv.)	Cömertpay, G., Avci, M., Özpinar, H., İnal, İ., Hatipoğlu, R., Özkan, H.
17.50-18.30	Poster session 4	
20.00-24.00	Gala Dinner	
5 April 2017		
Hall 1 Morning Session Chairs: Prof.Dr.Temel Özek and Müslime Tanrıseven		
09.00-10.45	Ethnobotanical and ecological characteristics of some taxa commonly used in medical, aromatic plant biodiversity of the Central Black Sea Section	Karaer, F., Kutbay, H. G., Terzioğlu, S. Özenli, B., Sarioğlu, A.
	The Edible Plants Database of Turkey (TUGBIV 2.0)	Bellikci-Koyu, E., Ege, M. A., Ozturk, B.
	Botanical and ecological characteristics of natural *Lamiaceae* taxa in the Central Black Sea Section (Amasya, Çorum, Tokat, Samsun) and medical, aromatic uses	Karaer, F., Kutbay, H. G., Sarıoğlu, A., Özenli, B.
	Medicinal usage of some important weed species in Turkey	Kitiş, Y. E., Selçuk, F., Öztürk, G.
	Assessment of phenolic content and amino acid profile in wild edible mushroom *Trametes versicolor* by UPLC-ESI-MS/MS	Kıvrak, Ş.
	Two new poisonous macrofungi record for the mycobiota of Turkey	Akçay, M.E., Uzun, Y.

	An ethnobotanical studying on edible wild plants of Northwestern of Iran	Yücel, E., Hashemi, Z.
10.45-11.00	Coffee break	
11.00-12.30	A valuable patrimony that is neglected at human nutrition: Grass pea (*Lathyrus sativus* L.)	Arslan, M.
	Prioritization of wild and neglected fruit species in Sri Lanka using fruit selection index and species distribution modeling for agro ecological zone based promotion	Ratnayake, R.S.S., Samarasinghe, G., Liyanage, A.S.U., Kariyawasam, C.S., Gunarathne, D.K.
	Opportunities to use certain plants endemic to Trabzon and environs in landscape planning	Şahin, E. K., Bekar, M., Güneroğlu, N.
	Comparative evaluation of proximate composition of fruits of bitter gourd *(Momordica*) and eggplant (*Solanum*) species grown in Sri Lanka	Kulasinghe, A., Nadeeshai, H., Samarasinghe, G., Silva, R., S. Wimalasiri, S., Madhujith, T.
	Seed fatty acid compositions and chemotaxonomy of the wild safflower (*Carthamus* L.-Asteraceae) species of Turkey	Arslan,Y., Tarıkahya-Hacıoğlu, B.
	An underutilized species of Cucurbitaceae family: bottle gourd [*Lagenaria siceraria (Molina) Standl.*]	Denli, N., Yetişir, H., Oluk, C. A.
12.30-13.30	Lunch break	
13.30-14.00	Poster session 5	
Hall 1 Afternoon Session Chairs: Dr.Ayfer Tan and Dr.Özlem Mavi İdman		
14.00-15.30	Wild edible plants of Erciyes Mountain (Kayseri-Turkey)	Aksoy, A., Albayrak S.
	Ethnobotanical properties of Tosya district (Kastamonu, Turkey) geophytes	Tuttu, G., Abay, G., Yıldırımlı, Ş.
	Genetic diversity evaluation of cactus pear (*Opuntia* sp.) genotypes selected from Adana Province	Tütüncü, M., Küden, A. B
	How can we develop a sustainable model for utilisation of Einkorn and Emmer wheat biodiversity of Turkey?	Tekin, M., Akar, T.
	Economic value analysis and sustainable use of biodiversity	Demir, A.
	Adventitious bud regeneration technique for the cultivation and domestication of wild species of economically important agarwood (*Aquilaria hirta*)	Ibrahim, R.
15.30-15.50	Coffee break	
15.50-17.30	Cocklebur (*Xanthium strumarium* L.) plant benefits from different viewpoint	Uskutoglu, T., Cesur, C., Cosge-Senkal, B. , Yaman, C.
	Variation in antioxidant attributes and phenolics composition within different parts of *Capparis spinosa* and *Capparis decidua* harvested in low and high rainfall season	Gull, T., Sultana, B., Anwar, F., Nouman, W., Sher, M.
	Determination of essential oil proportion and composition, and drog herba yield of some medicinal and aromatic plants	Tekin F., Avcıoğlu B., Çınar O., Efe A.
	Echogeography and breeding achievement of wild *Cicer* species in Turkey	Adak A., Sari, D., Sari, H., Toker, C.
	Survey of local food plants and dietary diversity of small-scale cocoa farmers in Sulawesi and Sumatra and its implications for a large-scale nutrition project	Pawera, L. , Tumova,B., Hunter, D.
	Composition analysis of selected leafy vegetables grown in Sri Lanka	Kulasinghe, A., Nadeeshai, H., Samarasinghe, G., Silva, R., S. Wimalasiri, S., Madhujith, T.

	Physico chemical and biological properties of essential oils of some aromatic and medicinal plants domesticated in the northern of Morocco	Zantar, S., Toukour, E., Benicha, M., Ssebbagh, C., Chabbi, M., Faiz, C., Boujnah, M., Laglaoui, A., Bakkali, M.
Hall 2 Morning Session Chairs: Prof.Dr.Ahmet Aksoy and Şenay Boyraz Topaloğlu		
09.00-10.45	Assesment of genetic diversity among some Asparagus species using rDNA ITS and screening for total phenolic content	Altıntaş, S., Pakyürek, M., Şensoy, S., Erez, M. E., İnal, B.
	Genetic characterizations of *Salix alba* population in the longest river ecosystem in Middle Anatolia	Degirmenci, F. Ö, Acar P., Kaya Z.
	Determination of the economic value of halophite endemic species in the Tuz Lake surroundings: *Hypericum salsugineum*	Demir,A., Tekşen, M., Baysal-Furtana, G., Tıpırdamaz, R.
	Honey forests as conservation and protection of forest biodiversity in Turkey	Bekar, M., Acar, C.
	Influence of geographical variation on *Thymelaea hirsuta* L. collected from different Tunisian areas: yield and chemical families	Yahyaoui, M., Bouajila, J., Abderrabba, M.
	Essential oil composition of *Opopanax* genus grown in Turkey	Yüce Babacan, E., Paksoy, M. Y.
	Distribution of the duckweed species in Turkey	Coşkun, Ö. F., Aydın, D., Pınar, H.
10.45-11.00	Coffee break	
11.00-12.15	Stem anatomical characterization of the genus *Grammosciadium* DC. (Apiaceae) in Turkey	Karakaya, M. A., Ulusoy, F., Mavi-İdman D. Ö., Bani, B.
	Molecular and phytochemical studies on two endemic species: *Ajuga postii* Briq. and *Ajuga relicta* P.H.Davis (Lamiaceae) from Turkey	Sönmez, E., Köse, Y.B.
	Assessment of phenolic profile and cytotoxic effects of *Thymelaea hirsuta* L. grown of different geographic origin	Yahyaoui, M., Bouajila, J., Abderrabba, M.
	In vitro spore culture of some fern species in Turkey	İzgü, T., Tütüncü, M., Sevindik, B., Tagipur, E. M., Çürük, P., Yılmaz, Ö., Kaynak, G., Mendi, Y.Y.
	Genotoxic effects of nicosulfuron herbicide used in corn (*Zea mays* L.) agriculture	Poyraz, İ. E.
12.15-13.30	Lunch break	
13.30-14.00	Poster session 5	
Hall 2 Afternoon Session Chairs: Nigel Maxted and Assoc.Prof.Dr. Burcu Tarıkahya Hacıoğlu		
14.00-15.30	Establishment of the first protected area system for wild rice relatives in Sri Lanka: best practices, tools and lessons learnt	Ratnayake, R.S.S., Liyanage, A.S.U., Samarasinghe, G., Kariyawasam, C.S., Jayasinghe, M.U.K.
	The taxonomical revision of the genus *Reseda* L. (Resedaceae) in Turkey	Çilden, E., Yıldırımlı, Ş.
	Phylogenetic relationship of six *Astragalus* sections based on ITS (Internal Transcribed Spacer) regions of genomic DNA	Ateş, M. A., Karaman-Erkul, S., Önde, S., Aytaç, Z., Kaya, Z.
	Determination of genetic diversity of Turkish red pine (*Pinus brutia* Ten.) and aleppo pine (*Pinus halepensis* Mill.) populations by chloroplast simple sequence repeats	Kaya, N., Kurt, Y., Çengel, B., Velioğlu, E., Daniels, R. R., Grivet, D., Matinez, S. G.
	Molecular phylogeny of Turkish willows (*Salix* L., Salicaceae)	Acar, P., Degirmenci, F.Ö., Kaya, Z.

	Nuclear DNA content and chromosome number analyses in *Silene bolanthoides* Quézel, Contandr. & Pamukç., an endangered endemic species in flora of Turkey	Çördük, N. , Yücel, G., Akıncı, N., Karabıyık, F. Ç., Tuna, M., Esen, O.
15.30-15.50	Coffee break	
15.50-18.05	Determination of some characteristics of cocksfoot (*Dactylis glomerata* L.) populations collected from natural areas of Eskişehir for breeding purposes	Erdogdu, I., Sever, A.L., Aygun, C., Tuna, M.
	Identification and utilization of resistance to watermelon chlorotic stunt viral disease in the wild relatives of watermelon in Sudan	Omara, R. S., Babikir, İ. H. E., Omara, S. K., Babiker, A. A., Ghanim, A. M. A.
	Determination of genetic relationship among some Emmer wheat and Einkorn lines selected from different provinces of Turkey	Tekin, M., Cengiz, M. F., Canci, H., Coskun, I., Aksoy A., Akar T.
	Possibility of the use embryo culture technique to improve resistant lines against *Plasmodiophora brassica* Wor. via interspesific hybridization between *Brassica* species (*Brassica oleraceae* L.x*Brassica rapa* L.)	Kurt, O., Demir, A.
	A comparative investigation on the *in vitro* biological activities of subextracts from the aerial parts of *Daphne oleoides* Schreb. subsp. *oleoides*	Atay Balkan İ., Taşkın T., Doğan H. T., Deniz İ., Akaydın G., Yesilada E.
	Physico-chemical properties of fig seed (*mor güz-sarı lop*) and seed oils collected from different locations in Aydın province in Turkey	Duman, E., Yazıcı, A. S.
	Anatomical features of tomato (*Lycopersicon esculentum* Mill.) grown under hydroponic culture	Tuylu, M., Tuylu, G. İ., Söylemez, S., Büyükkartal, H. N.
	The effect of gibberellic acid treatments on the fruit quality of strawberry cv. Seascape in Bolu	Gündoğdu, M., Berk, S., Sameeullah, M.
	The potential antimicrobial activities of some endemic plants in Turkey	Benli, M.

INTERNATIONAL SYMPOSIUM ON BIODIVERSITY AND EDIBLE WILD SPECIES

ACCEPTED ABSTRACTS

Abstract Title	Corresponding Author	Country	University/Institution	Presentation Type (O :Oral, P :Poster)
Determination Of Safflower (*Carthamus tinctorius* L.) Biodiesel Diesel Fuel Mixture Of Common-Rail System Performance Diesel Engine Effect	A. Engin Özçelik	Turkey	Selcuk University	**O**
Effect of aqueous extract of Acacia raddiana Savi on germination of Retama retaem (Fabaceae)	A. Hannani	Algeria	Université Kasdi Merbah	**P**
Biodiversity and medicinal folk recipes of Gymnospermic flora for livelihood security of Malam Jabba Valley, Hindukash Rang, Swat, Pakistan	Abdul Razzaq	Pakistan	University of Peshawar	**P**
Some wild plants consumed as vegetables in Sanliurfa	Abdulhabip Özel	Turkey	Harran University	**O**
Status of wheat local landraces and distribution regions in Yemen	Abdulwahi A. Saif	Yemen	Agricultural Research &Extension Authority (AREA)	**O**

Research on the nutritional value of *Arum dioscoridis* (*Araceae*) which is used as a traditional dish 'Tirşik' in Turkey	Abdülkerim ALPINAR, Fırat AYAS	Turkey	Biruni University	**O**
Ethnobotanical study of local root and tuber crops in Aranayaka, Sri Lanka in relatedness to food and indigenous medicinal value	A.B. Sartaj	Sri Lanka	Plant Genetic Resources Center	**O**
Promoting use of underutilized spp. for improved nutrition and livelihood strategies for Sri Lanka	A.B. Sartaj	Sri Lanka	Plant Genetic Resources Center	**O**
Use of under-utilized, wild edible yam and tuber crops for improved nutrition and livelihood strategies	A.B. Sartaj	Sri Lanka	Biodiversity for Food and Nutrition Project	**P**
Ethnobotanical Study of Traditional Medicinal Plants in and Around Fiche District, Central Ethiopia	Abiyu Enyew	Ethiopia	University of Gondar	**O**
In vitro plant regeneration of Libyan wild plants: Edible species (Arbutus pavarii) and endangered species (Haplophyllum tuberculatum. Forsk. juss)	Adel M. Elmagrabi	Libya	Biotechnology research centre (BTRC)	**O**
Wild edible plants of Erciyes Mountain (Kayseri-Turkey)	Ahmet Aksoy	Turkey	Akdeniz University	**O**

Echinacea (*Echinacea Pallida*) and Nettle (*Urtica Dioica*) Seeds Oil Rations and Fatty Acid Compositions	Erman Duman	Turkey	Echinacea pallida, Urtica dioica, Fatty Acid Composition, Health	**P**
Development of Gliadin Genes-Specific Primers for RFLP Analysis in Wheat (*Triticum aestivum*)	Esma Zencir	Turkey	Bilecik Seyh Edebali University	**P**
Important Wild Fruits for Biodiversity	Esra Alım	Turkey	Batı Akdeniz Agricultural Research Institute	**P**
Effect of proline application on some physiological parameters in pepper (*Capsicum annum* L.) exposed to *Phytophthora capsici* stress	Esra Koç	Turkey	Ankara University	**P**
The Edible Plants Database of Turkey (TUGBIV 2.0)	Ezgi Bellikci Koyu	Turkey	Ege University	**O**
Optimization of process conditions for developing yogurt-like product with Silybum marianum(milk thistle)	Fadime Begüm Otağ	Turkey	Istanbul Gelisim University	**O**
Durum wheat in central Fertile Crescent; Biodiversity, characterization and utilization	Faheem Shehzad Baloch	Turkey	Abant İzzet Baysal University	**O**

The use of geothermal water in improving vegetable production in the Saharian regions of Algeria	Faiza Ben Sayah	Turkey	University Of Kasdi Merbah Ouargla	**P**
Morphological characterization of wild relatives and local varieties of Pisum germplasm for the establishment of a base collection	Fatih Hancı	Turkey	Atatürk Central Horticultural Research Institute	**P**
Effect of physicochemical constraints on lipase activity of an Algerian pseudomonas sp.	Fatima Nehal	Algeria	University Hassiba Ben Bouali of Chlef	**P**
Genetic Diversity of Some Blackberry Genotypes Collected From Different Parts of Turkey	Fatma Alan	Turkey	Erciyes University	**P**
Effect of NaCl-induced osmotic stress on germination and seedling growth properties in mustard (Sinapis arvensis L.)	Fatma Kayaçetin	Turkey	Ankara University	**P**
Determinatıon of the nutritional value of mustard greens (*Sinapis arvensis* L.)	Fatma Kayaçetin	Turkey	Ankara University	**P**
Effects on Biodiversity of The Biocidal Applications in Jit areas of The Van, Tuşba Settlement	Fevzi Özgökçe	Turkey	University of Yuzuncu Yil	**O**

The Antioxidant Capacities of Wild Species Collected from Turkey within the GEF-Funded Biodiversity for Food and Nutrition (BFN) Project	Fırat AYAS	Turkey	Yüreğir Directorate of District Food Agriculture and Livestock	**O**
Carob Bean (*Ceratonia siliqua* L.) and It's Products	Fikret Oazır	Turkey	Ege University	**O**
Some wild plants consumed as food in Zeytinpark (Antalya)	Fulya Yüceyol	Turkey	Bati Akdeniz Agricultural Research Institute	**P**
Wild mushrooms as source of nutrients and nutraceuticals	Funda Atila	Turkey	Ahi Evran University	**O**
Determination of Antioxidant Enzyme Activities of *Rheum ribes*	Funda Eryilmaz Acikgoz	Turkey	Namık Kemal University	**P**
The Influence of Diverse Doses of Nitrogen (N) Application on the Phenolic and Antioxidant Present of Common Sorrel (*Rumex acetosa* L.)	Funda Eryilmaz Acikgoz	Turkey	Namık Kemal University	**P**
The Effects Of Dock (*Rumex Patientia* L.) Plant In The Soil Which Is Used Phytoremediation Method	Funda Eryılmaz Açıkgöz	Turkey	Namık Kemal University	**P**

Van, Tuşba Yerleşkesi Jit Alanlarında Yürütülen Biosidal Uygulamaların Biyolojik Çeşitlilik Üstünde Etkileri

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Özet

Sulak alanların çevresinde veya yakınında bulunan yerleşim alanlarının en önemli sorunlarından biri sivrisinek ve chironomidlerin rahatsız edici popülasyon yoğunluklarıdır. Bu zararlılara karşı yürütülen savaşım yöntemlerinden en etkilisi üreme alanlarında yapılan kontrol uygulamalarıdır. Ancak sulak alanların içinde ve çevresinde yaşayan canlı çeşitliliği dikkate alındığında hedef dışı organizmaların korunması son derece önemlidir.

Van Gölü sahil şeridinde bulunan Tuşba ilçesi yerleşkesinde sivrisinek ve chironomidler büyük sorunlardan biridir. Bu zararlıların jit alanlarında yürütülen biosidal uygulamaların biyolojik çeşitlilik üstündeki etkilerini araştırmak amacıyla her biri yaklaşık 3000 m^2 büyüklükte ve yaklaşık 0.5-1 m derinlikte üç sulak alan belirlenmiştir. Örnekleme alanlarından biri kontrol olarak takip edilirken 1. Alana BTI ve Spinosad, 2. Alana Diflubenzuron (IGR) uygulanmıştır. Çalışmalar Nisan-Eylül 2016 tarihlerinde yürütülmüştür. Zararlıların başlangıç popülasyonları belirlendikten sonra gerekli görülen preparatlarla uygulamalar yapılmıştır. Uygulamaları izleyen 1. 3. ve 5. günlerde kontrol örneklemeleri ile uygulama sonuçları takip edilmiştir. Her bir örneklemede sivrisinek larvası, chironomid larvası, copepod ve notonectid yoğunlukları sayılarak kaydedilmiştir. Uygulamalardan sonra zararlıların popülasyonlarının artmaya devam etmesi sebebiyle çalışma boyunca preparatların dozları her defasında önceki dozun iki katına kadar arttırılmış, akabinde kontrol örneklemelerine devam edilmiştir. Örneklemeler 153 mesh açıklığa sahip plankton kepçesi ile her bir örnekleme deneme alanının kıyı ve orta kısımlardan olmak üzere 15'er adet olarak yapılmıştır.

Çalışmalarda 1. Alanda toplam 13, 2. Alanda 10 uygulama yapılmıştır. Tüm alanlarda sivrisinek ve notonectid popülasyonu çok düşük seviyelerde sayılmış ve temmuz ortalarına doğru tamamen yok olmuştur. Copepod yoğunluğu kontrol ve ikinci alanda tüm çalışma boyunca aynı yoğunlukta kalırken birinci alanda 32 kat doz uygulamasından sonra ortalama 17.21 birey'den 0.87 birey seviyesine düşmüştür. Chironomidler ise birinci alanda 135.30 birey, ikinci alanda 96.28 birey ve Kontrol alanında 217.89 birey olarak sayılmıştır. Bu sonuçlara göre her iki uygulama alanında da yüksek doz uygulamalarına rağmen chironomid popülasyonu düşürülememiş, sivrisinekler tamamen yok olurken, notonectidler uygulamalardan olumsuz etkilenmiştir. Copepodlar diflubenzuron uygulamalarından etkilenmediği halde BTI uygulamalarının yüksek dozlarından etkilenmiştir.

Anahtar Kelimeler: Tuşba, Van Gölü, göl sinekleri, sivrisinek, diflubenzuron, Bacillus thuringiensis israelensis, biyolojik çeşitlilik

Effects on Biodiversity of The Biocidal Applications in Jit areas of The Van, Tuşba Settlement

Abstract

One of the most important troubles of the settlements where located in around or close to wetlands are population density of the chironomids and mosquitos. The most effective control methods against to these harmful organisms are control practices in their breeding areas. However, when considering the diversity of living things in and around wetlands, it is extremely important to protect non-target organisms.

Mosquitoes and chironomids are one of the big problems in the settlement of Tuşba county located on the shore of Van Lake. Three wetlands, each about 3000 m^2 in size and about 0.5-1 m in depth were identified to investigate the effects of biocidal applications on the biodiversity of these pests. When one of the sampling areas was followed as a control, BTI and Spinosad were applied to the 1st field and Diflubenzuron (IGR) was applied to the 2nd field. The studies were carried out between April-September 2016. Once the initial populations of the harms were identified, applications were made with the necessary preparations. The control samples and application results were followed up on the 1st, 3rd and 5th days following the applications. In each sample, mosquito larvae, chironomide larvae, copepod and notonectide densities were recorded counting. Throughout the study, doses of the preparations have been increased up to twice the previous dose, since the populations of the pests continue to increase after the applications, control samples were then continued. The samples were made of 15 plankton buckets with 153 mesh openings and 15 samples each from the coast and middle parts of each sampling area.

In the studies, 13 applications were applied at the 1st area and 10 applications were applied at the 2nd area. In all areas mosquito and notonectid populations were counted at very low levels and completely disappeared towards mid-July. Copepod intensities decreased from an average of 17.21 individuals to 0.87 individuals after a 32-dose application in the first area, while the control and second areas remained at the same intensity throughout the entire study. Chironomids were counted as 135.30 individuals in the first area, 96.28 individuals in the second area and 217.89 individuals in the Control area. According to these results, chironomid population could not be reduced and mosquitoes completely disappeared, but notonectides were adversely affected in both application fields despite high dose applications. Copepods were affected by high doses of BTI applications when not affected by diflubenzuron applications.

Keywords: Tuşba, Van Lake, chironomidae, mosquitos, diflubenzuron, Bacillus thuringiensis israelensis, biodiversity