

IV-INTERNATIONAL CONFERENCE OF FOOD, AGRICULTURE, AND VETERINARY SCIENCES

On the occasion of the 40th Anniversary of Van Yüzüncü Yıl University

May 27-28, 2022
Van, TÜRKİYE

FULL TEXTS BOOK

Editor
Prof. Dr. Murat TUNÇTÜRK

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Prof. Dr. Murat TUNÇTÜRK

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CONGRESS ID

IV- INTERNATIONAL CONFERENCE OF FOOD, AGRICULTURE, AND VETERINARY SCIENCES

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Van Yüzüncü Yıl University

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DATE-PLACE

27-27 MAY 2022

Van Yüzüncü Yıl University

Van / TÜRKİYE

EDITOR

Prof. Dr. Murat TUNÇTÜRK

EVALUATION PROCESS

All applications have undergone a double-blind peer review process

TOTAL NUMBER OF PAPERS: 350

THE NUMBER OF PAPERS FROM TURKEY: 168

OTHER COUNTRIES: 178

PARTICIPANT COUNTRIES (37):

Turkey, Azerbaijan, India, Czech Republic, Romania, Nigeria, Argentina, Pakistan, Iran, Algeria, China, Kazakhstan, Canada, Malaysia, Russia, Azerbaijan, Morocco, Bulgaria, Iraq, The Netherlands, Portugal, Ukraine, South Korea, United Arab Emirates, Hungary, Vietnam, Lebanon, Oman, Philippines, Iceland, USA, Serbia, Albania, Indonesia, Egypt, South Africa

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Assoc. Prof. Dr. Ünal KARİK: Aegean Agricultural Research Institute
Assoc. Prof. Dr. Çeknas ERDİNÇ: Van Yüzüncü Yıl University
Dr. TUBA ÖZGE YAŞAR - Tekirdağ Namık Kemal University
Dr. Jiban SHRESTHA: Nepal Agricultural Research Council/ Nepal

4. ULUSLARARASI GIDA, TARIM VE VETERİNER BİLİMLERİ KONGRESİ

Van Yüzüncü Yıl Üniversitesi
40. Kuruluş Yılı Münasebetiyle
27-28 Mayıs 2022

IV-INTERNATIONAL CONFERENCE OF FOOD,AGRICULTURE, AND VETERINARY SCIENCES

On the occasion of the 40th Anniversary of
Van Yüzüncü Yıl University
May 27-28, 2022

-Opening Ceremony-

27.05.2022
Time (Ankara): 09:30-10:00

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Prof. Dr. Murat TUNÇTÜRK – Van Yüzüncü Yıl University, Dean of Faculty of Agriculture
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***

Adres: Bardakçı, Yüzüncü Yıl Üniversitesi Kampüsü, 65090 Tuşba/Van
Meeting ID: 892 9798 7118
Passcode: 546894

FACE TO FACE PRESENTATIONS

27.05.2022

ANKARA LOCAL TIME

10:00-12:00 | Hall-1

Van Yüzüncü Yıl University

HEAD OF SESSION: Prof. Dr. Ahmad Nematollahi

AUTHORS	AFFILIATION	TOPIC TITLE
Hossein ZEINALZADEH-TABRIZI Hassan AMIRI OGHAN	Ardabil Agricultural and Natural Resources Research and Education Center, Ardabil, Iran	HERITABILITY AND GENETIC VARIABILITY OF OIL YIELD AND AGRONOMIC TRAITS IN SPRING CANOLA GENOTYPES
Prof. Dr. Yousry A. El-Kassaby Eduardo P. Cappa Blaise Ratcliffe Charles Chen Milan Lstiburek	The University of British Columbia, Vancouver, BC, Canada Instituto Nacional de Tecnología Agropecuaria (INTA), Buenos Aires, Argentina Oklahoma State University, Oklahoma, USA Czech University of Life Sciences, Prague, Czech Republic	BREEDING WITHOUT BREEDING: THE SECOND GENERATION
Assist. Prof. Dr. Garayev Sadiq	Central Botanical Garden of Azerbaijan National Academy of Sciences Azerbaijan, Baku	ХАРАКТЕРИСТИКА РЕЛИКТОВ III ПЕРИОДА ДЕНДРОФЛОРЫ АЗЕРБАЙДЖАНА ПО ИСТОРИЧЕСКИМ ГРУППАМ
Prof. Dr. Ahmad Nematollahi Razi-allah Jafari Joozani Parisa shahbazi Babak Saeed Abadi Amir Mollazadeh Yamchi	University of Tabriz, Iran.	EVALUATION OF ANTIOXIDANT PROFILE IN CATTLE INFECTED WITH Theileria annulata
Fatih ERDİN Assoc. Prof. Dr. Haluk KULAZ	Van Yüzüncü Yıl University, Van, Türkiye	THE EFFECT OF INORGANIC AND MICROBIAL FERTILIZER APPLICATIONS ON THE GRAIN YIELD AND SOME AGRONOMIC CHARACTERS OF THE BEAN (*Phaseolus vulgaris* L.)
Yekbun ÖZMEN Prof. Dr. Işık TEPE Assoc. Prof. Dr Emre DEMİRER DURAK	Van Yüzüncü Yıl University, Van, Türkiye	EFFECT OF JIMSONWEED (Datura stramonium L.) EXTRACTS ON ROOT ROT DISEASE (Rhizoctonia solani AG-4) IN TOMATO
Assoc. Prof. Dr Haluk Kulaz İshak Baran	Van Yüzüncü Yıl University, Van, Türkiye	THE EFFECTS OF DIFFERENT SALT CONCENTRATIONS ON SOME GROWTH PARAMETERS OF LENTIL (LENS CULINARIS MEDIC.) VARIETIES IN THE EARLY GROWTH PERIOD
Evvel Naşide UYAN Assoc. Prof. Dr Erol ORAL	Van Yüzüncü Yıl University, Van, Türkiye	ANALYSIS OF CORRELATION BETWEEN PHYSIOLOGICAL AND BIOCHEMICAL PROPERTIES IN SOME WHEAT VARIETIES (*Triticum durum* L.) SEEDLING DEVELOPMENT PERIOD

Fatma AYTEMİŞ Assistant Professor Dr. Adnan DOĞAN Assistant Professor Dr. Cüneyt UYAK	Van Yüzüncü Yıl University, Van, Türkiye	DETERMINATION OF PHENOLOGICAL CHARACTERS AND EFFECTIVE HEAT SUMMATION REQUIREMENTS OF LOCAL GRAPE CULTIVARS GROWN IN MUŞ PROVINCE
Sema KÜSMÜŞ Assistant Professor Dr. Adnan DOĞAN Assistant Professor Dr. Cüneyt UYAK	Van Yüzüncü Yıl University, Van, Türkiye	DETERMINATION OF PHENOLOGICAL CHARACTERS AND EFFECTIVE HEAT SUMMATION REQUIREMENTS OF STANDARD AND LOCAL SOME GRAPE CULTIVARS GROWN IN MALATYA PROVINCE
Enes FİDAN Prof.Dr.Işık TEPE	Van Yüzüncü Yıl University, Van, Turkey	EFFECTS OF PLANT GROWTH-PROMOTING RHIZOBACTERIA (PGPR) AND *Trichoderma harzianum* ON GERMINATION OF BROOMRAPE (*Phelipanche ramosa* (L.) Pomel) PROBLEM IN TOMATO

FACE TO FACE PRESENTATIONS

27.05.2022

ANKARA LOCAL TIME

13:30-15:00 | Hall-2

Van Yüzüncü Yıl University

HEAD OF SESSION: Prof. Dr. Işık TEPE

AUTHORS	AFFILIATION	TOPIC TITLE
Assist. Prof. Dr. Nergis Ulaş	Atatürk University, Yakutiye, Erzurum, Türkiye	CORONAVIRUS INFECTIONS IN ANIMALS: EPIDEMIOLOGY, CLINICAL SYMPTOMS, TREATMENT AND PREVENTION
Assoc. Prof. Dr. Aysel GÜVEN Dr. Olcay ÖZTÜRKLER Assoc. Prof. Dr. Ulviye BUNYATOVA	Başkent University, Ankara, Türkiye Kafkas University, Kars, Türkiye	A BIOCHEMICAL STUDY ON KIDNEY STONE CASES IN CATTLE
Necmettin YİĞİT Assoc. Prof. Dr Cemal BUDAĞ	Van Yüzüncü Yıl University, Van, Türkiye	A SURVEY STUDY ON RUMINANT FEEDING HABITS OF FARMERS IN EASTERN ANATOLIA: A CASE OF AĞRI
Assoc. Prof. Dr Elif BABACANOĞLU Research assistant Dr.Mehmet Reşit KARAGEÇİLİ	Van Yüzüncü Yıl University, Van, Türkiye	EFFECT OF INJECTED VITAMIN E TO YOLK SAC OF EMBRYO ON THE TOTAL LIPID, PROTEIN AND PHOSPHOLIPID LEVELS IN THE BLOOD SERUM OF BROILER CHICKS
Assoc. Prof. Dr Elif BABACANOĞLU Research assistant Dr.Mehmet Reşit KARAGEÇİLİ	Van Yüzüncü Yıl University, Van, Türkiye	EFFECT OF VITAMIN E INJECTION IN YOLK SAC OF EMBRYO ON LIPID PEROXIDATION IN BRAIN AND WATER-SOLUBLE ANTIOXIDANTS LEVELS IN LIVER TISSUES IN THE BROILER CHICKS
Assist. Prof. Dr. Ataman Altuğ ATICI Assoc. Prof. Dr Ertuğrul KANKAYA	Van Yüzüncü Yıl University, Van, Türkiye	A STUDY ON THE MAXIMUM SIZE OF SIRAZ FISH (*Capoeta kosswigi* KARAMAN, 1969) IN THE KARASU RIVER (VAN, TURKEY)
Nergis ULAŞ Hüseyin ALTIN Başak HANEDAN Rıdvan KİRMAN	Atatürk University, Yakutiye, Erzurum, Türkiye	TREATMENT WITH IVERMECTIN AND VITAMINS OF RABBITS INFESTED WITH Sarcoptes scabiei
Ayca Nur SAHIN DEMIREL	Igdir University, Igdir, TURKEY	AN EVALUATION OF ORGANIC EGG PRODUCTION IN TURKEY BETWEEN 2022-2026 BASED ON TIME SERIES ANALYSIS
Cemal ERTAŞ Mehmet Ali BOZKURT	Erciş İlçe Tarım Müdürlüğü, Erciş, Van, Türkiye Van Yüzüncü Yıl Üniversitesi, Van, Türkiye	FERTILITY AND NUTRITION STATUS OF POTATO CULTIVATED SOILS IN AHLAT DISTRICT OF BITLIS PROVINCE

Coffee Break: 15:00-15:30

FACE TO FACE PRESENTATIONS

27.05.2022

ANKARA LOCAL TIME		Van Yüzüncü Yıl University	
15:30-18:00 | Hall-3			

HEAD OF SESSION: Prof. Dr. Rüveyde TUNÇTÜRK

AUTHORS	AFFILIATION	TOPIC TITLE
Ümit AVCIOĞLU Adem AKSOY Abdulbaki BİLGİÇ M. Sinan AKTAŞ M. Ali TUNÇ	Atatürk University, Yakutiye, Erzurum, Türkiye	CALF LOSSES AND ECONOMIC EFFECTS IN ERZURUM DAIRY FARMS
Mehmet YÜKSEL Arzu KAVAZ YÜKSEL	Atatürk University, Yakutiye, Erzurum, Türkiye	OLIVE OILS WITH REGISTERED GEOGRAPHICAL INDICATION (GI) IN THE TURKEY: GEOGRAPHICAL ORIGIN, QUALITY AND AUTHENTICITY
Arzu KAVAZ YÜKSEL Mehmet YÜKSEL	Atatürk University, Yakutiye, Erzurum, Türkiye	ASSESSMENT OF AUTHENTICITY AND ORIGIN IN DAIRY PRODUCTS WITH ANALYTICAL METHODS AND CHEMOMETRICS
Serdar Uğurlu Assoc. Prof. Emre Bakkalbaşı	Van Yüzüncü Yıl University, Van, Türkiye	EFFECT OF ETHANOL PRE-TREATMENT ON THE QUALITY OF DRIED FRUIT AND VEGETABLES
Research assistant Dilek Özcan Yardım Assist. Prof. Dr. Bilgin Taşkın	Van Yüzüncü Yıl University, Van, Türkiye	IN VITRO ANTIBACTERIAL EFFECT OF SEVERAL ENDOPHYTIC BACTERIA ISOLATED FROM VARIOUS CEREAL PLANTS AGAINST ERWINIA AMYLOVORA (EA) AND CLAVIBACTER MICHIGANENSIS SUBSP. MICHIGANENSIS (CMM) PLANT PATHOGENS
Prof. Dr Mehmet Salih ÖZGÖKÇE Research assistant Furkan Harun BAŞI Dr.Esra KINA Research assistant Dr.Hilmi KARA	Van Yüzüncü Yıl University, Van, Türkiye	SOMEDEMOGRAPHIC CHARACTERISTICS OF BLACK BEAN APHID (Aphis fabae) ON BROAD BEAN (Vicia fabae)
Şadiye DEMİR ATMACA Burak ÖZDEMİR Sana JAMAL SALİH Assist. Prof. Dr. Fevzi ALTUNER Assoc. Prof. Erol ORAL Prof.Dr.Mehmet ÜLKER	Van Yüzüncü Yıl University, Van, Türkiye	DETERMINATION OF DIFFERENT POPULATIONS OF THE WHEAT (Triticum aestivum L.) LANDRACES CULTIVATED IN VAN LAKE BASIN
Tülay TOPRAK Prof. Dr. Rüveyde TUNÇTÜRK Prof. Dr. Murat TUNÇTÜRK Research assistant Lütfi NOHUTÇU Ezelhan ŞELEM	Van Yüzüncü Yıl University, Van, Türkiye	THE EFFECT OF BORON DOSES ON GERMINATION PROPERTIES IN FENUGREEK (TRIGONELLA FOENUM-GRAECUML.) SEEDS SUBJECTED TO SALICYLIC ACID PRETREATMENTS

Prof. Dr. Rüveyde TUNÇTÜRK Tülay TOPRAK Prof. Dr. Murat TUNÇTÜRK Ezelhan ŞELEM Lütfi NOHUTÇU	Van Yüzüncü Yıl University, Van, Türkiye	THE EFFECT OF BORON DOSES ON GERMINATION PROPERTIES OF GALEGA OFFICINALIS L. (GOAT SEED) SEEDS SUBJECTED TO SALICYLIC ACID PRE-APPLICATION
Lütfi NOHUTÇU Prof. Dr Murat TUNÇTÜRK Ezelhan ŞELEM Prof. Dr Rüveyde TUNÇTÜRK Tülay TOPRAK	Van Yüzüncü Yıl University, Van, Türkiye	DETERMINATION OF MINERAL CONTENT OF Plantago atrata HOPPE SPECIES NATURALLY DISTRIBUTED IN VAN REGION
Ezelhan ŞELEM Prof. Dr Murat TUNÇTÜRK Prof. Dr Rüveyde TUNÇTÜRK Lütfi NOHUTÇU Tülay TOPRAK	Van Yüzüncü Yıl University, Van, Türkiye	A STUDY ON MINERAL CONTENT OF Cardaria draba (L.) DESV. Subsp.drabaSPECIES NATURALLY GROWN IN EASTERN ANATOLIA OF TURKEY
Lect. Dr. Zeynep KILIÇ	Bitlis Eren University, Bitlis, Türkiye	A NEW PROTECTIVE AND THERAPEUTIC GENE FAMILY AGAINST CHILLING STRESS AND THE DAMAGE STEMMING FROM CHILLINESS FOR PLANTS: PLANT MITOCHONDRIAL UNCOUPLERS (PUMP)

ONLINE (with Video Conference) PRESENTATIONS

27-28 May 2022

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SESSION-1, HALL-1/OTURUM-1, SALON-1

MODERATOR: Dr. Subhashish Dey

AUTHOR(S)	AFFILIATION	TITLE
Kamlesh Kumar ***C M Parihar***	Division of Agronomy, ICAR-Indian Agricultural Research Institute, New Delhi 110012	MAIZE-WHEAT SYSTEM: TILLAGE AND NITROGEN MANAGEMENT FOR HIGHER YIELD AND NUTRIENT USE EFFICIENCY
Mahendra Kumar Savita ***Vinay Dwivedi*** ***Prachi Srivastava***	Amity University, Uttar Pradesh, Lucknow Campus. 227105	IN-SILICO ANALYSIS UNCOVER ANTIBACTERIAL PROPERTIES OF ALLIUM SATIVUM AGAINST AEROMONAS HYDROPHILA
Aminu, F.O.	Department of Agricultural Technology, School of Technology, Yaba College of Technology, Epe Campus, P. M. B. 2011, Yaba, Lagos State, Nigeria	ANALYSIS OF FACTORS INFLUENCING YIELD OF YAM IN OSUN STATE, NIGERIA
Gazmend MEÇO	Agriculture University of Tirana	ALBANIAN FARMING SYSTEM, FACTS AND NUMBERS
Dr. Ihim Augustine Chinedu	Nnamdi Azikiwe University, Awka, Nigeria	LIPID PROFILE, FREE FATTY ACID, APOLIPOPROTEIN B, APOLIPOPROTEIN B 48, APOLIPOPROTEIN B 100 AND MALONDIALDEHYDE IN MYCOBACTERIUM TUBERCULOSIS INFECTED INDIVIDUALS BEFORE, DURING AND AFTER TREATMENT
Dr. Subhashish Dey	Department of Civil Engineering, Gudlavalleru Engineering College, Andhra Pradesh, India	IMPORTANCE OF IRRIGATION FOR THE GROWTH OF ECONOMICAL CONDITIONS OF THE COUNTRY
Dr. Subhashish Dey	Department of Civil Engineering, Gudlavalleru Engineering College, Andhra Pradesh, India	APPLICATION OF BIOSORBENTS FOR REMOVAL OF NITRITE FROM CONTAMINATED WATER
Subhashish Dey	Department of Civil Engineering, Gudlavalleru Engineering College, Andhra Pradesh, India	APPLICATIONS OF FOOD COLOUR AND PRESERVATIVES IN ARTIFICIAL FOOD AND ITS RESULT ON HUMAN HEALTH
Balasubramani G L ***Rinky Rajput*** ***Manish Gupta*** ***Pradeep Dahiya*** ***Jitendra K Thakur*** ***Rakesh Bhatnagar*** ***Abhinav Grover***	Jawaharlal Nehru University, New Delhi - 110067. National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi. Banaras Hindu University, Banaras, Uttar Pradesh-221005, India	STRUCTURE-BASED DRUG REPURPOSING TO INHIBIT THE DNA GYRASE OF Mycobacterium tuberculosis

Nurulain Mustafa Udin ***Sharifah Norkhadijah Syed Ismaila*** ***Vivien How*** ***Emilia Zainal Abidin***	Universiti Putra Malaysia, Malaysia	ANALYSIS OF PESTICIDE DISTRIBUTION THROUGH DERMAL EXPOSURE ASSESSMENT (DREAM) AMONG PESTICIDE SPRAYERS IN MALAYSIA
ANUJ B ***KAVIN KUMAR P*** ***SANKAR PRASATH S*** ***PRAGUSHPATHI P*** ***SRIDEEPANRAJ S*** ***VINOTH KUMAR C M***	Bannarı Amman Instıtute Of Technology	FOOD

27.05.2022
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SESSION-1, HALL-2/OTURUM-1, SALON-2

MODERATOR: Dr. Omar MARDENLI

AUTHOR(S)	AFFILIATION	TITLE
Mehzabin Rehman ***Bhaben Tanti***	Gauhati University, Assam, India	EVALUATION OF BORO RICE CULTIVARS OF ASSAM, INDIA FOR THEIR COLD AND HEAT STRESS TOLERABILITY BASED ON VARIOUS MORPHO-PHYSIOLOGICAL PARAMETERS
Dr. Omar MARDENLI ***Assist. Prof. Dr. Mahdi Saleh Mohammad AL-KERWI*** ***Prof. Dr. Ali Sami Amin AL-TAWASH*** ***Assist. Prof. Dr. Ali Abd Al-Jabbar IBRAHIM***	University of Aleppo, Faculty of Agriculture, Syria University Of Al-Qadisiah, Faculty Of Agriculture, Iraq	ASSESSMENT OF THE CONSEQUENCES OF APPLYING GENE EXPRESSION MODULARITY ON QUANTITATIVE TRAITS OF RUMINANTS AND POULTRY
Anvar Ghaderi ***Assist. Prof. Dr. Behnam Dovlati*** ***Prof. Dr. Ebrahim Sepehr*** ***Assist. Prof. Dr. Mohsen Barin*** ***Assist. Prof. Dr. Amir Rahimi***	Faculty of Agriculture, Urmia University	EFFECT OF RESIDUES AND FRESH EXTRACT OF MEDICINAL PLANTS ON SOIL NUTRIENTS AND Zea mays L. YIELDS
Madalina-Lorena Medeleanu ***Fărcaș Anca Corina*** ***Cristina Coman*** ***Loredana Leopold*** ***Carmen Pop*** ***Socaci Sonia Ancuța***	University of Agricultural Sciences and Veterinary Medicine,Romania	CITRUS OIL NANO-EMULSIONS - SO MANY OPTIONS BUT ONE CHOICE: PHYSICAL STABILITY AND ANTIBACTERIAL ACTIVITY IN THE FOOD FIELD
Gamajunova V.V. ***Sydiakina O.V.*** ***Honenko L.G.*** ***Garo I.M.*** ***Baklanova T.V.*** ***Iskakova O.Sh.***	Mykolaiv National Agrarian University, Mykolaiv, Ukraine Kherson State Agrarian and Economic University, Kherson, Ukraine	PRODUCTIVITY OF WINTER RAPE IN UKRAINE DEPENDING ON THE METHOD, DEPTH OF TILLAGE, ROW SPACING AND SOWING DATE
Rui ISIDORO ***Ana GALAIO***	Polytechnic İnstitute of Beja, Engineering Department, Beja, Portugal	OCCUPATIONAL SAFETY IN AGRICULTURAL TRACTOR OPERATIONS
RAKESH M ***RAJESH M*** ***MOHAMED SHAIKNA LEBBAI A M*** ***SANJAY V Y***	Bannari Amman Institute Of Technology, Department Of Aeronautical Engineering, Erode , India	AUTOMATED IRRIGATION SYSTEM

Gergana Zaemdzhikova	Forest Research Institute – Sofia, Bulgarian Academy of Sciences	SURVIVAL OF SUMMER AND WINTER FORM OF THAUMETOPOEA PITYOCAMPA IN THE HIBERNATION PERIOD
B. A. Darius Gnihatin ***Aristide B. Akpo***	Universitéd'Abomey-Calavi, Bénin, 01 BP 526 Cotonou, Bénin	ANALYSIS OF THE LENGTH OF DRY PERIODS FOR AGRICULTURAL PRODUCTION USING THE MARKOV CHAIN MODEL: CASE OF SYNOPTIC STATIONS IN BENIN
Segun O. Oladele	Adekunle Ajasin University Akungba Akoko, Nigeria	EFFECT OF BIOCHAR ON NITROGEN MINERALIZATION DYNAMICS OF A PERI-URBAN CROPLAND AMENDED WITH POULTRY MANURE

27.05.2022
FRIDAY / 10:00-12:30

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SESSION-1, HALL-3/OTURUM-1, SALON-3

MODERATOR: Prof. Dr. E. Sepehr

AUTHOR(S)	AFFILIATION	TITLE
Svetlana CHERNENKO ***Sofia LAVRENKO*** ***Sergiy LAVRENKO***	Kherson specialized school of I-III degrees №30, Kherson, Ukraine	ASPECTS OF GROWING MICROGREENS AT HOME
Svetlana CHERNENKO ***Anastasiia SUROVTSOVA*** ***Sergiy LAVRENKO***	Kherson specialized school of I-III degrees №30, Kherson, Ukraine	GREEN TOURISM IN RECREATIONAL AREAS OF THE KHERSON REGION
Olexander LAVRENKO ***Natalia KOSHEVA*** ***Sergiy LAVRENKO***	Kherson specialized school of I-III degrees №30, Kherson, Ukraine	BIOLOGICAL PEST CONTROL MEASURES IN PARKS
Maria RIZAK ***Sergiy LAVRENKO*** ***Nataliia LAVRENKO***	Student of the Faculty of Agronomy, Kherson State Agrarian and Economic University, Ukraine	METHODS OF USING NATURAL DYE FROM PAPRIKA IN THE FOOD INDUSTRY
Ayesha Javed ***Usman Haider*** ***Bilal Aslam*** ***Muhammad Naeem Faisal***	Institute of Physiology and pharmacology, University of Agriculture Faisalabad, Pakistan	EXPRESSION LEVEL OF SRc (HIGH) AND MDM2 (DOWN) GENES IN FEMALE BREAST CANCER
Dr. Moneer K. Faraj ***Dr. Bassam Mahmood*** ***Flamerz Arkawazi***	University Of Baghdad, Iraq	TREATMENT OF PRIMARY TRIGEMINAL NEURALGIA: A COMPARATIVE STUDY OF MICROVASCULAR DECOMPRESSION SURGERY AND STEREOTACTIC GAMMA KNIFE RADIOSURGERY
Nader Ghaffari Khaligh ***Hayedeh Gorjianb***	University of Malaya, 50603 Kuala Lumpur Malaysia Sari Agricultural Sciences and Natural Resources University, Sari, Iran	INFLUENCE OF TWEEN NATURE AND TYPE ON PHYSICOCHEMICAL PROPERTIES AND STABILITY OF SPEARMINT ESSENTIAL OIL (MENTHA SPICATA L.) STABILIZED WITH BASIL SEED MUCILAGE NANOEMULSION
Prof. Dr. E. Sepehr ***M. A. Shiriazar***	Urmia University, Urmia, Iran	METHODS OF ARSENIC DECONTAMINATION OF SOIL AND WATER
E. Sepehr ***J. Abdollahi*** ***V. Feiziasl*** ***M.H. Rasouli-Sadaghiani*** ***A. Samadi***	Urmia University, Urmia, Iran Agricultural Research Education and Extension Organization (AREEO), Maragheh, Iran	THE KINETICS OF N MINERALIZATION IN SALT-AFFECTED SOILS WITH DIFFERENT PLANT RESIDUES

Zeynep ERGÜN ***Murat GÜNEY***	Adana Alparslan Turkes Science and Technology University, Adana, Turkey Yozgat Bozok University, Yozgat, Turkey	THE IMPORTANCE OF MICROPROPAGATION
Zeynep ERGÜN ***Murat GÜNEY***	Adana Alparslan Turkes Science and Technology University, Adana, Turkey Yozgat Bozok University, Yozgat, Turkey	PRODUCTION OF SECONDARY METABOLITES VIA PLANT MICROPROPAGATION

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SESSION-1, HALL-4/OTURUM-1, SALON-4

MODERATOR: Assoc. Prof. Dr. Gökhan BORAN

AUTHOR(S)	AFFILIATION	TITLE
Assoc. Prof. Dr. Emine NAKİLCİOĞLU	Ege University, Izmir, Turkey	PUMPKIN SEED OIL: CHEMICAL COMPOSITION AND BIOLOGICAL ACTIVITY
Assoc. Prof. Dr. Emine NAKİLCİOĞLU	Ege University, Izmir, Turkey	NUTRITIVE AND HEALTH PROPERTIES OF HUMAN MILK
Büşra TURAN ***Zeynep Hazal TEKİN ÇAKMAK*** ***Selma KAYACAN ÇAKMAKOĞLU*** ***Salih KARASU***	Yıldız Technical University , Istanbul, TURKEY Istinye University , Istanbul, TURKEY	EFFECT OF DIFFERENT DRYING TECHNIQUES ON BIOACTIVE PROPERTIES AND PHENOLIC COMPOSITION OF GOJI BERRY FRUITS
Gülistan OKUTAN ***Güneş KOÇ*** ***Ümran CANSU*** ***Gökhan BORAN***	Van Yüzüncü Yıl University, Van,Türkiye	CHANGES IN SOME PHYSICAL AND MECHANICAL FEATURES DURING STORAGE OF EDIBLE FILMS MADE BY DIFFERENT PROTEINS
Ümran CANSU ***Gülistan OKUTAN*** ***Gökhan BORAN***	Van Yüzüncü Yıl University, Van,Türkiye	EFFECT OF LOCUST BEAN GUM ADDITION ON SOME PHYSICAL AND FUNCTIONAL FEATURES IN GELATIN SOLUTIONS AND GELS
Araş. Gör. Dr. Oğuzhan KAHRAMAN ***Araş. Gör. Zekeriya Safa İNANÇ*** ***Prof. Dr. Fatma İNAL*** ***Prof. Dr. Huzur Derya ARIK***	Selçuk University, Konya, Türkiye	THE CHEMICAL COMPOSITION AND USAGE OF DATE AND IT'S BY-PRODUCTS IN RUMINANT NUTRITION
Binnur KAYA ***Prof. Dr. Zeynep Dilek HEPERKAN***	İstanbul Aydın University, Istanbul, TURKEY	INVESTIGATION OF QUALITY PARAMETERS IN GRAPE MOLASSES
Şebnem İPEK ***Prof. Dr. Zeynep Dilek HEPERKAN***	İstanbul Aydın University, Istanbul, Turkey	QUALITY PROPERTIES OF BUTTERS SOLD IN MARKET
Emine OKUMUŞ	Van Yüzüncü Yıl University, Van, Turkey	COMPUTER VISION SYSTEMS AND FOOD APPLICATIONS

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SESSION-1, HALL-5/OTURUM-1, SALON-5

MODERATOR: Assoc. Prof. Dr. Selçuk Seçkin TUNCER

AUTHOR(S)	AFFILIATION	TITLE
Barış GÜNER	Balıkesir University, Balıkesir, Türkiye	THE EFFECT OF GNRH ADMINISTRATION BEFORE PROSTAGLANDIN-BASED PROTOCOL ON REPRODUCTIVE PERFORMANCE IN MERINO SHEEP
Assoc. Prof. Dr. Murat ŞEVİK	Necmettin Erbakan University, Konya, Turkey	SERO-EPIDEMIOLOGICAL SURVEY OF PESTE DES PETITS RUMINANTS IN UNVACCINATED FLOCKS IN MEDITERRANEAN REGION OF TURKEY
Assoc. Prof. Dr. Selçuk Seçkin TUNCER	Van Yüzüncü Yıl University, Van, Turkey	CHANGES IN WOOL PRODUCTION IN THE WORLD AND TURKEY
Assoc. Prof. Dr. Selçuk Seçkin TUNCER	Van Yüzüncü Yıl University, Van, Turkey	HOMOCYSTEINE METABOLISM, ITS RELATIONS WITH FOLIC ACID AND VITAMIN B12 IN RUMINANTS
Sıtkıcan Okur	Atatürk University, Erzurum, Türkiye	TREATMENT OF CONGENITAL FLEXURAL DEFORMITY IN CALVES
Assist. Prof. Dr. Uğur ERSÖZ	Atatürk University, Erzurum, Türkiye	UMBILICAL CORD CARE AND MAJOR UMBILICAL LESIONS IN CALVES
Suphhi DENİZ ***Gökhan ŞENGÖNÜL***	Van Yüzüncü Yıl University, Van,Türkiye	AN ALTERNATIVE SOURCE OF PROTEIN IN ITS WING FEEDING: BLACK SOLDIER FLY LARVA
Assist. Prof. Dr. Nüvit COŞKUN	Kafkas University, Kars, Türkiye	INVESTIGATION OF DNA AND RNA VIRUSES FROM PARAFFIN EMBEDDED TISSUE BLOCKS USING MOLECULAR METHODS

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SESSION-1, HALL-6/OTURUM-1, SALON-6

MODERATOR: Prof. Dr. Şefik TÜFENKÇİ

AUTHOR(S)	AFFILIATION	TITLE
Sema BAŞBAĞ ***Şilan Çiçek*** ***Nazlı AYBAR YALINKILIÇ***	Dicle University, Diyarbakır, Türkiye	INVESTIGATION OF YIELD AND YIELD PARAMETERS OF SOME COTTON (GOSSYPIUM HIRSUTUM L.) VARIETIES AT DIFFERENT İNTRA-ROW SPACING
Zeynep Nisa KARADUMAN ***Murat KARTAL***	Bezmialem Vakıf University, İstanbul, Türkiye	USE OF SUMAK (Rhus coriaria) PLANT IN NUTRITION AND PHYTOTHERAPY
Ayşe Türkhan ***Elif Duygu KAYA***	Iğdır University, Iğdır, Türkiye	PARTIAL PURIFICATION AND CHARACTERIZATION OF CATALASE FROM *Marasmius oreades*
Abdullah Esat ALTINIŞIK ***Berna TUNALI***	Ondokuz Mayıs University, Samsun, Türkiye	PATHOGENICITY OF *FUSARIUM POAE* AND *FUSARIUM EQUISETI* ISOLATES ISOLATED FROM WHEAT CULTURES IN DIFFERENT AGROECOLOGIES
Gülşen Berat TORUSDAĞ ***Dr. Emre BAKKALBAŞI***	Van Yüzüncü Yıl University, Van, Türkiye	ANTHOCYANIN EXTRACTION FROM *ROSA* × *DAMASCENA* MILLER PLANT GROWING IN VAN PROVINCE
Nurhan KESKİN ***Sena YILDIZ***	Van Yüzüncü Yıl University ,Van, Türkiye	TOTAL PHENOLIC COMPOUNDS CONTENT IN CANES OF SOME GRAPE CULTIVARS
Nurhan KESKİN ***Sena YILDIZ***	Van Yüzüncü Yıl University, Van, Türkiye	INCREASING ANTHOCYANIN PRODUCTION IN CALLUS CULTURE OF VAKKAS GRAPE CULTIVAR AFTER UV-C TREATMENT
Erdal Aglar ***Burhan Ozturk*** ***Onur Saracoglu***	Van Yuzuncu Yil University, Van, Turkey Ordu University, Ordu, Turkey Tokat Gaziosmanpasa University, Tokat, Turkeyey	EFFECTS OF ROOTSTOCKS AND TRAINING SYSTEMS ON VEGETATIVE GROWTH AND FRUIT QUALITY PROPERTIES OF 0900 ZIRAAT AND REGINA SWEET CHERRY CULTIVARS
Emine KUCUKER ***Erdal AGLAR***	Siirt University, Siirt, Turkey	THE EFFECT OF AMINOETHOXY VINYL GLYCINE (AVG) APPLICATION ON FRUIT QUALITY İN SWEET CHERRY
Prof. Dr. Şefik TÜFENKÇİ ***Assist. Prof. Dr. Cüneyt UYAK***	Van Yüzüncü Yıl University, Van, Türkiye	EFFECT OF IRRIGATION WATER DEFICIT ON PROTEIN CONTENT OF QUINOA (CHENOPODIUM QUINOA WILLD.)

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SESSION-2, HALL-1/OTURUM-2, SALON-1

MODERATOR: Prof. Dr. Füsun GÜLSER

AUTHOR(S)	TITLE	AFFILIATION
Yogita Nain ***Nitin Chawla*** ***S.K. Goyal***	SKNAU, Jobner, Department- Plant Pathology, Jobner, India.	IMPACT OF WEATHER PARAMETERS ON ROOT ROT PEA INCITED BY FUSARIUM SOLANI F. SP. PISI
Sushma Verma ***Yogita Nain***	Department of Plant Pathology, College of Agriculture, JNKVV, Jabalpur (M.P.)	In-vitro and In-vivo MANAGEMENT OF ANTHRACNOSE CAUSED BY Colletotrichum gloeosporioides (Penz. & Sacc)
Roheela Yasmeen ***Khadija Summia***	Department of Biology, Lahore Garrison University, Lahore, Pakistan	DETECTION AND DETOXIFICATION OF AFLATOXINS B1 FROM LAYER AND BROILER FEED SAMPLES
Sheetal kumawat ***Yogita Nain***	SKNAU, Jobner, Department- Entomology, Jobner, India	INCIDENCE OF HELICOVERPA ARMIGERA(HUBNER) IN CHICKPEA, CICER ARIETINUM (L.)
Abdelghani Aboukhalaf ***Sara Moujabbir*** ***Belkassem El Amraoui*** ***Rekia Belahsen***	Chouaib Doukkali University, El Jadida, 24000, Morocco Ibn Zohr University, Agadir, Morocco	ASSESSMENT OF TOTAL PHENOLIC AND FLAVONOID CONTENT, ANTIOXYDANT AND ANTIMICROBIAL ACTIVITIES OF SOME MEDICINAL PLANTS IN MOROCCO
H. Khan ***J. Khan*** ***S. Gul*** ***M. I. Khan*** ***H. Khan*** ***M. A.Khan***	University of Swat, Pakistan; Kohat University of Science & Technology, Kohat, Pakistan Abdul Wali Khan University Mardan, Pakistan	POTENTIAL USE OF CARIUM CARVI AND CURCUMA LONGA FOR THE REMEDY OF SKIN AND SOFT TISSUES PATHOGENS
Maram Norouzi ***Zahra sarkheil***	Faculty Member And Msc Student Of Department Of Horticulture, Collage Of Aburaihan, University Of Tehran, Tehran, Iran	EVALUATION OF SEED GERMINATION IN FIROOZKOOH POPULATION OF GLAUCIUM FLAVUM (PAPAVERACEAE) IN TEHRAN PROVICE IN IRAN
Mr. Manohar Rathod	Department of Chemistry, Karnatak Science College, Dharwad-580001, India	CORROSION INHIBITION EFFECT OF BIXA ORELLANA LEAVES EXTRACT AS AN ECO-FRIENDLY INHIBITOR FOR MILD STEEL IN ACIDIC MEDIA
Füsun GÜLSER ***İlhan KARAÇAL***	Yüzüncü Yıl Üniversitesi, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme Bölünü	LEAF AND SHOOT GROWTH IN APPLE TREES APPLYING IRON AND ZINC FERTILIZERS

Chelsea Imuetinyan Osayande ***Theophilus Ogie Erameh***	University of Benin, School of Basic Medical Sciences, Department of Medical Laboratory Science, Benin City, Nigeria	EFFECTS OF *Zingiber officinale* RHIZOME EXTRACT ON THE HISTOMORPHOLOGY OF OVARIES AND HORMONAL INDICES OF FEMALE WISTAR RATS

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SESSION-2, HALL-2/OTURUM-2, SALON-2

MODERATOR: Assoc. Prof. Dr. Mehmet KARAMAN

AUTHOR(S)	AFFILIATION	TITLE
Assoc. Prof. Dr. Mehmet KARAMAN	Muş Alparslan University, Muş, Türkiye	INVESTIGATION OF SOME BREAD WHEAT (Triticum aestivum L.) CULTIVARS IN TERMS OF YIELD AND QUALITY IN MUŞ PROVINCE CONDITIONS
Chado, Z. M. ***Azare, B. A.*** ***Isah, M. C.*** ***Gimba U. N.*** ***Mohammed M.*** ***Aliyu H.***	University of Abuja, Nigeria Ibrahim Badamasi Babangida University, Lapai, Nigeria FCT College of Education, Zuba-Abuja, Nigeria	INSECTICIDAL ACTIVITIES OF TOTAL CRUDE EXTRACTS OF CITRUS PEELS ON Dermestes maculatus (DEGEER, 1774) PEST OF SMOKED FISH
Azare B. A. ***Idowu, R. T.*** ***Chado, Z. M.***	University of Abuja, Nigeria Ibrahim Badamasi Babangida University, Lapai, Nigeria FCT College of Education, Zuba-Abuja, Nigeria	SCREENING FOR THE INSECTICIDAL PROPERTIES OF TOTAL CRUDE AQUEOUS EXTRACTS OF CITRUS PEELS ON Dermestes maculatus (DEGEER, 1774) PEST OF SMOKED FISH
SAGHOURI EL IDRISSI Imane ***KETTANI Rajae*** ***FERRAHI Moha*** ***BRHADDA Najiba*** ***ZIRI Rabea***	Regional Agricultural Research Center of Meknes, Morocco University of Ibn Tofail, Morocco National Institute of Regional Agricultural Research Center of Meknes, Morocco	EFFECT OF DROUGHT ON YIELD AND BIOCHEMICAL PARAMETERS OF DURUM WHEAT (Triticum durum Desf.) IN SEMI-ARID REGIONS
Tsvetelina Gerasimova ***Gabriele Jovtchev*** ***Svetla Gateva*** ***Tsveta Angelova*** ***Alexander Stankov*** ***Margarita Topashka*** ***Ana Dobreva*** ***Milka Mileva***	Institute of Biodiversity and Ecosystem Research, Bulgarian Academy of Sciences, Sofia, Bulgaria	IN VIVO AND IN VITRO CYTOGENETICAL ANALYSIS ON THE EFFECT OF ROSA ALBA L. HYDROSOL
Mahdi GHIYASI ***Soheyla MOHAMMADI ALAGOZ*** ***Reza AMIRNIA***	Department of Plant Production and Genetics, Faculty of Agriculture, Urmia University, Urmia, Iran	THE MICROWAVE EFFECT ON GERMINATION AND SEEDLING GROWTH OF WHEAT (TRITICUM AESTIVUM)
Soheyla MOHAMMADI ALAGOZ ***Mahdi GHIYASI***	Department of Plant Production and Genetics, Faculty of Agriculture, Urmia University, Urmia, Iran	QUANTIFYING OF BIO-PRIMING WITH TRICHODERMA ON DRY

Reza AMIRNIA		MATTER OF WHEAT SEEDLING STEM UNDER SALINITY STRESS
Najoua. SOULO ***Nor el houda. TAHIRI*** ***Abderrazak. ABOULGHAZI*** ***Badiaa. LYOUSSI*** ***Zineb. BENZIANE-OUARITINI***	Sidi Mohamed Ben Abdellah University (USMBA)-Fez, Morocco	ANTIOXIDANT ACTIVITY, AND DIURETIC EFFECT OF Moringa oleifera IN RATS
Mohammed Chado Isah ***Kabir Mohammed Adamu*** ***Zainab Mustapha*** ***Hamzat Aliyu*** ***Christopher Didigu Nwani***	Ibrahim Badamasi Babangida University, Lapai, Nigeria University of Nigeria Nsukka, Nigeria	ACUTE TOXICITY OF Senna occidentalis LEAF DUST ON Clarias gariepinus FINGERLING
Zahra Tavakolizadeh ***Reza Sadeghi***	University of Tehran	THE EFFECT OF CUMIN ESSENTIAL OIL ON BLOOD CELLS OF Galleria mellonella

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SESSION-2, HALL-3/OTURUM-2, SALON-3

MODERATOR: Dr. Ahmad Ali

AUTHOR(S)	AFFILIATION	TITLE
Ceyda DADALI ***Yeşim ELMACI***	Ege University, İzmir, Turkey	USE OF PROPOLIS AS FUNCTIONAL INGREDIENT IN FOODS
Dr. Ahmad Ali	Department of Life Sciences, University of Mumbai, Vidyanagari, Mumbai, INDIA	ANALYSIS OF TOXICITY OF SUGAR-INDUCED MODIFICATION OF PROTEINS DURING GLYCATION AND ITS SUPPRESSION BY THYMOQUINONE
PhD. Candidate Gazmend Meço ***Prof. Asoc. Ilir Kapaj***	Faculty of Economy and Agribusiness, Agricultural University of Tirana	CUSTOMER PREFERENCE ON ORGANIC RED MEAT
Much. Mabru Rizky ANDREAN ***Hendri Hermawan ADINUGRAHA***	IAIN Pekalongan	COMPETENCY PROBLEMS OF HALAL SLAPPERS IN INDONESIA: A LITERATURE STUDY
Tanveer Alam ***Murtaza Gani***	HNB Garhwal University Srinagar (Garhwal) Uttrakhand India Shere Kashmir University of Agricultural Sciences & Technology, Jammu, India. High End Instrumentation Lab, Public Health Laboratory Dalgate Srinagar J & K India.	HPLC QUANTIFICATION OF THE CHEMICAL CONSTITUENTS FROM INDIGENOUS FRUITS AND VEGETABLES OF INDIAN HIMALAYAN REGION
Arezoo ALLAMEH HAERI ***Ehsan KHAKSAR*** ***Iradj ASHRAFI TAMAI***	Garmsar Branch, Islamic Azad University, Garmsar, Iran	EVALUATION OF SALMONELLA CONTAMINATION IN VARIOUS COMMERCIAL CANINE FOOD IN IRAN
Dr. Bijender Singh ***Pragya***	Maharshi Dayanand University, Rohtak-124001, Haryana, India. Central University of Haryana, Jant-Pali, Mahendergarh-123031, Haryana, India	ENHANCED PRODUCTION OF PHYTASE FROM Aspergillus oryzae IN SOLID STATE FERMENTATION AND ITS UTILITY IN IMPROVING FOOD NUTRITION
Muhametov Almas Erekovich ***Kazhymurat Assemay Talgatkyzy***	Kazakh National Agrarian Research University, Faculty Of Technology And Bioresources Almaty, Kazakhstan	MODERN STATE OF PRODUCTION TECHNOLOGY OF OXYSTABLE COMPOSITIONS OF PLANT MATTER FOR FUNCTIONAL NUTRITION
Liana C. Salanță ***Maria Tofană*** ***Carmen R. Pop*** ***Anamaria Pop*** ***Anca C. Fărcaș***	University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania	DEVELOPMENT AND CHARACTERIZATION OF A MULBERRY SAUCE

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SESSION-2, HALL-4/OTURUM-2, SALON-4

MODERATOR: Assoc. Prof. Dr. Seyit Battal UĞURLU

AUTHOR(S)	AFFILIATION	TITLE
Assoc. Prof. Dr. Nurhan KOÇAN Hilal BESKİSİZ Assoc. Prof. Dr. Ömer Lütfü ÇORBACI	Bartın University, Bartın, Turkey	EVALUATION OF BEYSEHIR (KONYA) RURAL TOURISM POTENTIAL
Nurhan KOÇAN Merve ÖZEREN ALKAN Erden AKTAŞ	Bartın University, Bartın, TÜRKİYE	PLANNING AND RESTORATION SUGGESTIONS FOR BEDESTEN SURROUNDINGS IN AMASRA CITY
Elnur ALLAHVERDIYEV	Director of Baku Business and Cooperation College, Baku, Azerbaijan	A QUALITATIVE ANALYSIS OF HUMAN POWER PRODUCTIVITY INDICATORS IN AGRICULTURE
Assoc. Prof. Dr. Oktay TOMAR Alptekin Mert YILMAZ Özge Can NİYAZ	Kocaeli University, Kocaeli, Türkiye.	EVALUATION OF THE CURRENT STATUS OF ORGANIC AGRICULTURE IN TURKEY
Alptekin Mert YILMAZ Oktay TOMAR	Kocaeli University, Kocaeli, Turkey.	THE EFFECTS OF UKRAINE CRISIS ON FOOD SECURITY
Oktay TOMAR Alptekin Mert YILMAZ	Kocaeli University, Kocaeli, Türkiye.	USE OF RENEWABLE ENERGY RESOURCES IN AGRICULTURAL PRODUCTION
Eylem DURMUŞ Prof. Dr. Arif SEMERCİ	Çanakkale Onsekiz Mart University	AN ANALYSIS AND SUGGESTIONS ON TRANSFERRING THE ECONOMIC CONTRIBUTIONS OF GEOGRAPHICAL INDICATION TO THE MARKET
Eylem DURMUŞ Prof. Dr. Arif SEMERCİ	Çanakkale Onsekiz Mart University	TURKEY'S TOMATO PRODUCTION AND ANALYSIS OF COMPETITIVENESS
Seyit Battal UĞURLU	Van Yüzüncü Yıl University, Van, TURKEY	YAŞAR KEMAL'S VIEW ON FORESTRY PROBLEMS
Kenan ÇİFTÇİ Mustafa TERİN Melike CEYLAN İbrahim YILDIRIM	Van Yüzüncü Yıl University, Van, TURKEY	DETERMINATION OF TECHNICAL INFORMATION SOURCES RELATED TO DAIRY CATTLE BREEDING OF FARMS THAT ARE MEMBERS OF VAN PROVINCE CATTLE BREEDERS ASSOCIATION AND WHICH ARE NOT MEMBERS

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SESSION-2, HALL-5/OTURUM-2, SALON-5

MODERATOR: Assoc. Prof. Dr. Nurhan KESKİN

AUTHOR(S)	AFFILIATION	TITLE
Pınar ANKARALIGİL ***Buket AYDENİZ-GÜNEŞER***	Uşak İl Tarım ve Orman Müdürlüğü, Uşak	OLEOJELS: ALTERNATIVE STRUCTURES AS A DEEP FRYING MEDIUM
Assoc. Prof. Dr. Mehmet Emre EREZ	Van Yüzüncü Yıl University, Van, Türkiye	PHYSIOLOGICAL AND MOLECULAR BASIS OF ALTERNATE BEARING IN PERENNIAL FRUIT CROPS
Hanife BAYINDIR ***Prof. Dr. Birol KILIÇ***	Süleyman Demirel University	USE OF HERBAL ANTIOXIDANT RESOURCES IN MEAT PRODUCT PROCESSING
Şeyda ÖZTURUNÇ ***Prof. Dr. Birol KILIÇ*** ***Assist. Prof. Dr. Azim ŞİMŞEK***	Süleyman Demirel University	EFFECTS OF FAT REPLACERS USAGE ON QUALITY ATTRIBUTES OF FERMENTED MEAT PRODUCTS
Assoc. Prof. Dr. Sercan KARAV ***Eda NTELITZE***	Çanakkale Onsekiz Mart University	DETERMINATION OF BIOACTIVE MILK COMPONENTS IN VARIOUS CATTLE BREEDS
Şule TURHAN ***Ersin Göktuğ TABAK***	Bursa Uludağ University	ORGANIC POULTRY PRODUCTION AND ECONOMY IN TURKEY
Ersin Göktuğ TABAK ***Şule TURHAN***	Bursa Uludağ University	ORGANIC VEGETABLE PRODUCTION IN TURKEY
Mahmut İNAL ***Prof. Dr. Yusuf TUNÇTÜRK***	Van Yüzüncü Yıl University, Van/Türkiye	METAGENOMIC ANALYSIS IN THE DETERMINATION OF CHEESE MICROBIOTA
Aysun KULUÇLU ***Assoc. Prof. Dr. Tuğba KÖKTAŞ***	Süleyman Demirel University, Isparta	MICROENCAPSULATION OF PROBIOTIC MICROORGANISMS - USE IN DIFFERENT NICH PRODUCTS
Assoc. Prof. Dr. Sercan KARAV ***Tuba ÇAĞIRTEKİN***	Çanakkale Onsekiz Mart University	PROTEIN ISOLATION AND N- GLYCAN CHARACTERIZATION OF DIFFERENT MUSHROOM SPECIES BY USING PNGase F ENZYME
Meryem Kübra SATILMIŞ ***Prof. Dr. Nihat AKIN*** ***Dr. Arş. Gör. Talha DEMİRCİ*** ***Dr. Öğr. Üyesi Hale İnci ÖZTÜRK***	Van Yüzüncü Yıl University, Van/Türkiye Selçuk Üniversity, Konya,Türkiye Konya Gıda ve Tarım Üniversity	DETERMINATION OF PROTEOLYTIC ACTIVITIES AND PROTEASE GENES OF VARIOUS LACTOBACILLI, AND FERMENTED MILK PRODUCTION AND FOLLOW-UP WITH THE STRAIN WİTH THE HIGHEST PROTEOLYTIC ACTIVITY

27.05.2022
FRIDAY / 13:00-15:30

Zoom Meeting ID: 892 9798 71186
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SESSION-2, HALL-6/OTURUM-2, SALON-6

MODERATOR: Prof. Dr. Sıddık KESKİN

AUTHOR(S)	AFFILIATION	TITLE
Sena ÇANKAYA ***Prof.Dr.Miray ARLI-SÖKMEN***	Ondokuz Mayıs University, Samsun, Türkiye	INVESTIGATION ON PERSIMMON CRYPTIC VIRUS INFECTION IN PERSIMMON (*DIOSPYROS KAKI* L.) ORCHARDS IN SAMSUN PROVINCE
İshak Baran ***Assoc. Prof. Dr. Haluk Kulaz***	Van Yüzüncü Yıl University, Van, Türkiye	DETERMINATION OF THE EFFECT OF BIOLOGICAL AND ORGANIC FERTILIZATION ON YIELD AND YIELD CHARACTERISTICS OF COWPEA (*VIGNA SINENSIS*) IN VAN ECOLOGICAL CONDITIONS
Assoc. Prof. Dr. Aytekin EKİNCİALP ***Assoc. Prof. Dr. Çeknas ERDİNÇ*** ***Lect. Dr. Selma BİTİK*** ***Prof. Dr. Suat ŞENSOY***	Van Yüzüncü Yıl University, Van, Türkiye	DETERMINATION OF SOME BIOCHEMICAL CONTENTS OF TOMATO FRUITS WHICH WERE HARVESTED IN DIFFERENT FERTILIZER APPLICATIONS AND DIFFERENT MATURITY PERIODS
Prof.Dr.Nalan TÜRKOĞLU ***Prof.Dr.Sıddık KESKİN***	Van Yüzüncü Yıl University, Van, Türkiye	INVESTIGATION OF THE RELATIONSHIP BETWEEN SOME MORPHOLOGICAL CHARACTERISTICS IN GLADIOLUS (*Gladiolus grandiflorus*) BY CATEGORICAL PRINCIPAL COMPONENTS ANALYSIS
Elif ÖZTÜRK ***Hakan ÇELİK***	Bursa Uludağ Üniversity, Bursa, TÜRKİYE	SOIL PRODUCTIVITY AND PLANT NUTRITION CONDITIONS OF DEVECI PEAR GARDENS IN BURSA PROVINCE
Gökhan BOYNO ***Rojbin ÇEVİK*** ***Prof.Dr.Semra DEMİR***	Van Yüzüncü Yıl University, Van, Türkiye	THE EFFECT OF CLONOSTACHYS ROSEA AGAINST PYTHIUM DEBARYANUM AND SCLEROTINIA SCLEROTIORUM IN SOME REDUCED-DOSAGE FUNGICIDE MEDIA
Nisa Asel TATAR ***Eylül Hüsna AYDOĞAN*** ***Oktay CALAYIR*** ***Gökhan BOYNO*** ***Assoc. Prof. Dr. Emre DEMİRER DURAK*** ***Prof.Dr.Semra DEMİR***	Van Yüzüncü Yıl University, Van, Türkiye	THE EFFECTS OF SOME ORGANIC FERTILIZERS AND GROWTH REGULATORS ON GERMINATION AND SCLEROTINIA SCLEROTIORUM IN TOMATOES IN VITRO CONDITIONS
Mürşide HATİPOĞLU ***Muhsin YILDIZ*** ***Hasret GÜNEŞ*** ***Selma BİTİK*** ***Prof.Dr.Semra DEMİR***	Van Yüzüncü Yıl University, Van, Türkiye	DETERMINATION OF THE EFFECTS OF TRICHODERMA SPECIES AGAINST FUSARIUM AND PYTHIUM DISEASE IN CUCUMBER APPLIED TO DIFFERENT GAMMA RAY DOSES (60Co)

Assoc. Prof. Dr. Çeknas ERDİNÇ		
Rustam Kazumov	Azerbaijan Agrarian University	ASSESSMENT OF THE IMMUNOGENICITY OF VACCINES AGAINST INFECTIOUS BRONCHITIS OF CHICKEN
Низами Сейидалиев ***Мина Мамедова***	Azerbaijan Agrarian University	THE INFLUENCE OF A COMPLEX OF AGRICULTURAL PRACTICES ON THE GROWTH AND DEVELOPMENT OF COTTON

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SESSION-3, HALL-1/OTURUM-3, SALON-1

MODERATOR: Prof. Dr. Afaq Ahmad

AUTHOR(S)	AFFILIATION	TITLE
K Chandana P B Harshitha Afreen T Gayatri M Nissi Rebca	BRECW, JNTUH, Telangana	AUTOMATIC RAINROOF PROTECTION FOR AGRICULTURE PURPOSES
Iyswariya A Subhashini E Swathi M Thanga Dhiwan V Vijayalakshmi V	Department of ECE, R.M.K. Engineering College, Chennai, Tamilnadu	SMART AGRI–FARM MONITORING USING AN IOT SYSTEM
Prof. Dr. Afaq Ahmad Prof. Dr. Syed Mohammed Rizwan	Sultan Qaboos University, Muscat, Oman	MATHEMATICAL MORPHOLOGICAL IMAGE PROCESSING IN AGRICULTURE
VEERAPAKURAJA .T BALA KANNAN .T BHARATHI .P	Bannari Amman Institute of Technology,India	DRONE USAGE IN AGRICULTURE
Vahid Gholami Mohammad Reza Khaleghi	University of Guilan, Sowmeh Sara, 1144, Guilan, Iran.	FLOOD HAZARD ZONING USING HEC-RAS MODEL AND GEOGRAPHIC INFORMATION SYSTEM (GIS) IN THE BABOL CITY
Vahid Gholami Mohammad Reza Khaleghi	University of Guilan, Sowmeh Sara, 1144, Guilan, Iran.	MODELING THE HYDRAULIC BEHAVIOR OF RIVERS TO DESIGN A SURFACE RUNOFF DRAINAGE NETWORK (CASE STUDY: RASHT CITY)
Roghayeh Mousavi MirHassan Rasouli-Sadaghiani Ebrahim Sepehr Mohsen Barin	Urmia University, Urmia, Iran	ENRICHED-BIOCHAR EFFECTS ON PHOSPHORUS ADSORPTION BEHAVIOR IN SALINE AND NON-SALINE SOILS OF LAKE URMIA BASIN
Roghayeh Vahedi MirHassan Rasouli-Sadaghiani Mohsen Barin	Urmia University, Urmia, Iran	EFFECT OF BIOCHAR AND MICROBIAL INOCULATION ON P, Fe, and Zn BIOAVAILABILITY IN A CALCAREOUS SOIL
R. Mashhadi B. Akbari M. Karimi	University of Tehran, Tehran, 1439957131, Iran	SURFACE MODIFICATION OF POLYPROPYLENE WITH SINGLE POSS MOIETY NANOPARTICLES FOR SUPERHYDROPHOBIC APPLICATIONS

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SESSION-3, HALL-2/OTURUM-3, SALON-2

MODERATOR: Dr. Abubakar Abdulkadir

AUTHOR(S)	AFFILIATION	TITLE
Aysel ERASLAN ŞAKAR ***Oğuz Kaan YALÇIN*** ***Ali MAZI*** ***Cengiz YILDIZ***	Hatay Mustafa Kemal University, Türkiye	THE EFFECT OF COENZYME Q10 ADDED TO EXTENDER ON THE ENDOPLASMIC RETICULUM STRESS PATHWAY IN FREEZING MOUSE SPERM
Moses Adeolu AGOI ***Oluwadamilola Peace AGOI***	Lagos State University of Education, Lagos Nigeria.	HEALTH AND DNA COMPUTING: IMPLICATION ON HUMAN AND ANIMALS
Nikola PUVAČA ***Erinda LIKA***	University Business Academy in Novi Sad, Faculty of Economics and Engineering Management in Novi Sad, Department of Biotechnology, Novi Sad, Serbia	INFLUENCE OF KETAMINE-BASED ANESTHESIA ON THE SURVIVAL RATE OF SPHYNX CATS
Nikola PUVAČA ***Erinda LIKA*** ***Vojislava BURSIĆ*** ***Aleksandra PETROVIĆ*** ***Gorica VUKOVIĆ***	University Business Academy in Novi Sad, Faculty of Economics and Engineering Management in Novi Sad, Department of Biotechnology, Novi Sad, Serbia	EFFECTS OF ESSENTIAL OIL IN MYCOPLASMA (Mycoplasma synoviae) THERAPY AND TABLE EGGS QUALITY OF LAYING HENS
Onyinyechukwu Ada AGINA ***Mohd Rosly SHAARI*** ***Nur Mahiza Md ISA*** ***Mokrish AJAT*** ***Mohd Zamri SAAD*** ***Hazilawati HAMZAH***	University of Nigeria, Nsukka, Enugu State, Nigeria Malaysian Agricultural Research and Development Institute, Serdang, Selangor, Malaysia Universiti Putra Malaysia, Selangor, Malaysia	DETERMINING THE STAGE OF *ANAPLASMA MARGINALE* INFECTION IN FIELD BLOOD SAMPLES FROM CATTLE USING REAL-TIME PCR: HAEMATOLOGY AND SERUM BIOCHEMISTRY FINDINGS
Alaa Sabeeha ***Ekaterina N. Lazarevaa*** ***Omnia Hamdyc*** ***Valery V. Tuchina***	Saratov State University, Saratov 410012, Russia University of Baghdad, Baghdad, Iraq Cairo University, Giza Governorate 12613, Egypt Tomsk State University, Tomsk, Russia FRC “Saratov Scientific Centre of the Russian Academy of Sciences,” Saratov 410028, Russia	ANIMAL TISSUE OPTICAL PROPERTIES ESTIMATION FOR USE IN VETERINARY MEDICINE AND FOOD INDUSTRY
Kaberi PRAMANIK	Banasthali Vidyapith University, India	VETERINARY AN OVERVIEW
Dr. Abubakar Abdulkadir	Department of Islamic Studies, Umaru Musa Yar’adua University, Katsina, Nigeria	ISLAMIC LEGAL TRADITION AND ANIMAL WELFARE: A SURVEY OF THE ATTITUDE OF LIVESTOCK HOLDERS VIS-A-VIS ANIMAL

		WELFARE IN KATSINA STATE, NIGERIA

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SESSION-3, HALL-3/OTURUM-3, SALON-3

MODERATOR: Dr. SZJ Zaidi

AUTHOR(S)	AFFILIATION	TITLE
Narimane Mahani ***Oumaima Bourzik*** ***Khadija Baba*** ***Mohammed Lamrani*** ***Abderrahman Nounah***	Civil Engineering and Environment Laboratory (LGCE), Mohammadia Engineering School, Mohammed V University, Rabat, Morocco	WOOD WASTE REUSE FOR ACOUSTIC INSULATION PANELS IN RESIDENTIAL BUILDINGS
Nouman Rahisuddin	Jamia Millia Islamia, New Delhi 110025, India	4-BROMO-1,8-NAPHALAMIDE DERIVATIVES AS AN ANTIFUNGAL AGENT: SYNTHESIS, CHARACTERIZATION, DNA BINDING, MOLECULAR DOCKING, ANTIOXIDANT AND ADMET STUDIES
Prairna Balyan ***Ahmad Ali***	Department of Life Sciences, University of Mumbai, Mumbai, India	PHYTOCHEMICAL ANALYSIS AND BIOLOGICAL ACTIVITIES OF DIFFERENT EXTRACTS OF NIGELLA SATIVA SEEDS
Additiya Paramanya ***Ahmad Ali***	Department of Life Sciences, University of Mumbai, Mumbai, India	PHYTOCHEMICAL ANALYSIS AND BIOLOGICAL ACTIVITIES OF DIFFERENT EXTRACTS OF NIGELLA SATIVA SEEDS
Dr. Ihim Augustine Chinedu ***Ifekandu Odumodu*** ***Prof. Dr. Meludu Samuel Chukwuemeka*** ***Mr Chukwudi Victor Nkwachukwu*** ***Dr Okwara John Ekenedirichukwu***	Nnamdi Azikiwe University, Awka, Nigeria Imo State University Owerri, Nigeria	EVALUATION OF PLASMA GLUCOSE, INSULIN AND GLYCATED HAEMOGLOBIN LEVELS AMONG MALE DAILY BREAD CONSUMERS
Afifa Baig ***Radhey Mohan Yadav*** ***Kapil Pandey*** ***Saimah Khan***	Department of Chemistry, Integral University, India	THE COMPARISON STUDY OF EXTRACTION PROCESSES OF ESSENTIAL OIL OBTAINED FROM BLACK PEPPER
Nehakumari N. Gohil	M. K. Amin Arts and Science College & College of Commerce, Padra, The M. S. University of Baroda, Vadodara-391440, Gujarat, India	SYNTHESIS, CHARACTERIZATION AND EVALUATION OF SOME BIOLOGICAL ACTIVITY OF NEW [1,2,3]-TRIAZOLE-CHALCONE DERIVATIVES

Dr. SZJ Zaidi	Institute of Chemical Engineering and Technology, University of the Punjab, Lahore, Pakistan	POINT OF CARE DIAGNOSTICS BY USING BENDABLE ENGINEERED NANO BIOSENSORS FOR CANCER AND VIRAL DETECTION
Lekan Taofeek Popoola Adeyinka Sikiru Yusuff	Afe Babalola University, Ado-Ekiti, Ekiti State, Nigeria	BIODEGRADATION EFFECTS OF CRUDE OIL-POLLUTED WATER USING BACTERIA ISOLATES FROM SUNFLOWER HUSK ON FISH GROWTH: PARAMETRIC OPTIMIZATION USING TAGUCHI APPROACH
Anuradha Pandey Dubey Madhuri Sharon	Parishkar College of Global Excellence, Jaipur, Rajasthan, India	CNF A COUSIN OF CNT IS OFFERING A NEW ARENA FOR NANOMEDICINE STUDIES

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SESSION-3, HALL-4/OTURUM-3, SALON-4

MODERATOR: Assoc. Prof. Dr. Gülsüm YALDIZ

AUTHOR(S)	AFFILIATION	TITLE
Bahtiyar Aydın ÜRÜN ***Assoc. Prof. Dr. Erdinç BAL***	Tekirdağ Namık Kemal University, Tekirdağ	EFFECTS OF SEMPERFRESH, SALICYLIC ACID AND METHYL SALICYLATE APPLICATIONS ON FRUIT QUALITY OF DURING STORAGE OF DEVECİ PEAR VARIETY
Assoc. Prof. Dr. Tülay TUNÇAY	Toprak Gübre ve Su Kaynakları Merkez Araştırma Enstitüsü, Yenimahalle, Ankara	THE EXTENT OF DESERTIFICATION AND LAND DEGRADATION IN THE WORLD AND TURKEY AND ITS INTERACTION WITH CLIMATE CHANGE
Assoc. Prof. Dr. Ahmet Raif ERYAŞAR	Recep Tayyip Erdoğan University	INVESTIGATIONS ON THE DISCARD REDUCTION IN THE BEAM TRAWLS USED IN THE VEINED RAPA WHELK FISHERY IN THE EASTERN BLACK SEA
Mahmut ÇAMLICA ***Assoc. Prof. Dr. Gülsüm YALDIZ***	Bolu Abant İzzet Baysal University	DETERMINATION OF SOME PHENOLOGICAL CHARACTERISTICS OF WINTER-SOWN OF SELECTED FENUGREEK GENOTYPES UNDER BOLU ECOLOGICAL CONDITIONS
Assoc. Prof. Dr. Gülsüm YALDIZ ***Mahmut ÇAMLICA***	Bolu Abant İzzet Baysal University	DETERMINATION OF THE GENETIC DIFFERENCES OF THE SELECTED FENNEL GENOTYPES BASED ON SOME PHENOLOGICAL CHARACTERISTICS
İsmail NANELİ	Sakarya University of Applied Sciences, Sakarya	DETERMINATION OF YIELD AND YIELD COMPONENTS OF SOME PADDY CULTIVARS IN DIFFERENT LOCATIONS
Ünal KARIK	Ege Tarımsal Araştırma Enstitüsü-Menemen/İZMİR	THE EFFECT OF TUBER SIZE ON YIELD AND QUALITY IN SALEP ORCHIDS
Assist. Prof. Dr. Duygu BUDAK ***Prof. Dr. Aydan YILMAZ***	Aksaray University, Aksaray, Türkey Ankara University, Ankara, Türkey	RELATIONS BETWEEN ROUGHAGE AND INACTIVE YEAST
Mevlüde TATAR	Alata Horticulture Research Institute, 33740, Mersin, Turkey	GRAFTING STUDIES ON VEGETABLES

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SESSION-3, HALL-5/OTURUM-3, SALON-5

MODERATOR: Assoc. Prof. Dr. Reyyan YERGİN ÖZKAN

AUTHOR(S)	AFFILIATION	TITLE
Alpaslan Şevket ACAR ***Seyid Amjad ALİ*** ***Muhammad ASİM***	Sivas University of Science and Technology, Sivas, Turkey	APPLICATION OF MACHINE LEARNING AND ARTIFICAL NEURAL NETWORK MODELS FOR IN VITRO REGENERATION OF BLACK MULBERY (Morus nigra L.)
Elen İNCE	Biological Control Research Institute, Adana, Turkey	EFFECTS OF CLIMATE CHANGE ON PLANT DISEASESS
Merve KEKLİK ***Melike BAKIR***	Erciyes University, Kayseri, Türkiye	DETERMINATION OF TRANSFERABILITY OF GENOMIC SSR MARKERS DEVELOPED IN CULTIVATED LENTIL (LENS CULINARIS MEDIK.) TO WILD LENTIL SPECIES
Hasan KARAOSMANOĞLU	Giresun University	DETERMINATION OF CHLOROPHYLL LEVELS OF NATURAL, ROASTED HAZELNUTS AND THEIR SKINS GROWN BY DIFFERENT METHODS
Eren ATEŞ ***Assoc. Prof. Dr. M. Alp FURAN*** ***Merve Dilek KARATAŞ*** ***Gülistan GENLİ***	Van yüzüncü Yıl University, Van, Türkiye	COMPARISON OF SOME YIELD AND QUALITY CHARACTERISTICS OF HULLED AND HULL-LESS BARLEY CULTIVARS IN SOUTHEASTERN ANATOLIA REGION CONDITIONS
Abdulveli SİRAT	Gümüşhane University	DETERMINATION OF YIELD AND YIELD COMPONENTS OF SOME TWO-ROWED BARLEY (Hordeum vulgare conv. distichon) CULTIVARS CULTIVATED IN SEMI-ARID CONDITIONS
Azat BALİ ***Assoc. Prof. Dr. Reyyan YERGİN ÖZKAN***	Van Yüzüncü Yıl University, Van, Türkiye	WEED PROBLEM IN CORN PRODUCTION IN DİYARBAKIR, TURKEY
Zuhal Zeynep AVŞAROĞLU ***Aidana SUGİRBEKOVA*** ***Mehmet HAMURCU*** ***Sait GEZGİN***	Selçuk University, Konya, Türkiye	THE EFFECT OF TREHALOSE APPLICATION UNDER BORON STRESS ON THE ANTIOXIDANT DEFENSE MECHANISM OF BREAD WHEAT ROOTS
Elhan Recep Allahverdiyev ***Medine Hasan Abışova***	Azerbaycan Devlet Tarım Üniversitesi, Gence, Azerbaycan	EFFECT OF INTERCROPPING OF CORN AND SOYBEAN ON FORAGE YIELD AND ROOT PROPERTIES

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SESSION-3, HALL-6/OTURUM-3, SALON-6

MODERATOR: Prof. Dr. Mehmet Ufuk KASIM

AUTHOR(S)	AFFILIATION	TITLE
Rezzan Kasım ***Prof. Dr. Mehmet Ufuk KASIM***	Kocaeli Üniversity, Kocaeli, Turkey	POSTHARVEST USE IN HORTICULTURAL CROPS OF PLANT-BASED ANAEROBIC RESPIRATION PRODUCTS
Prof. Dr. Mehmet Ufuk KASIM ***Rezzan Kasım***	Kocaeli Üniversity, Kocaeli, Turkey	A NEW APPROACH IN CROP PRODUCTION: TERRACE-BALCONY GARDENS
Dr. İlker DEMİRBOLAT ***Ezgi ERKAN*** ***Murat KARTAL*** ***Prof. Dr. Murat TUNÇTÜRK***	Sage Botanics Van Yüzüncü Yıl Üniversitesi Ziraat Fakültesi Tarla Bitkileri Bölümü	CHEMICAL COMPOSITION, ANTIOXIDANT AND ANTIMICROBIAL ACTIVITIES OF EVERLASTING (Helichrysum italicum (Roth) G. Don) ESSENTIAL OIL
Sema BAŞBAĞ ***Nazlı AYBAR YALINKILIÇ*** ***Şilan ÇİÇEK***	Dicle Üniversity, Diyarbakır, Türkiye Muş Alparslan Üniversiy, Muş, Türkiye	INVESTIGATION OF THE AGRONOMIC CHARACTERISTICS OF SOME FALSE FLAX (CAMELINA SATIVA L. CRANTZ) GENOTYPES UNDER DIYARBAKIR ECOLOGICAL CONDITIONS
Assistant Professor Dr.Ramazan GÜRBÜZ ***Harun ALPTEKİN***	Iğdır Üniversity, Iğdır, Türkiye	THE EFFECT OF ORGANIC MULCH MATERIALS ON WEED CONTROL IN CUCUMBER (*CUCUMIS SATIVUS* L.) CULTIVATION
Mustafa YILMAZ ***Cenk Burak ŞAHİN***	Oil Seed Research Institute, Cevdetiye-Osmaniye/TURKEY	THE EFFECT OF DIFFERENT PLANT GROWTH REGULATORS ON SOME YIELD AND QUALITY CHARACTERISTICS OF PEANUT (*Arachis hypogaea* L.)
Prof. Dr. Belgin COŞGE ŞENKAL ***Tansu USKUTOĞLU***	Yozgat Bozok Üniversiy, Yozgat, Turkey	EVALUATION OF CHEMICAL COMPOSITION AND BIOAVAILABILITY OF INDUSTRIAL HEMP (Cannabis sativa L.) ESSENTIAL OIL
Tansu USKUTOĞLU	Yozgat Bozok Üniversiy, Yozgat, Turkey	MICROPROPAGATION OF Origanum acutidens (Hand.-Mazz.) Ietswaart UNDER IN VITRO CONDITIONS AND DETERMINATION OF SOME AGRONOMIC PROPERTIES
Prof. Dr. Işık TEPE ***Eren ERGÜN***	Van Yüzüncü Yıl University, Van, Türkiye	EFFECT OF ABSINTH WORMWOOD (Artemisia absinthium L.) AND WALNUT (Juglans regia L.) EXTRACTS ON SEED GERMINATION OF SOME CULTIVATED PLANTS AND WEEDS

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SESSION-1, HALL-1/OTURUM-1, SALON-1

MODERATOR: Dr. Amir KARIMI

AUTHOR(S)	AFFILIATION	TITLE
Sonila COCOLI ***Nikola PUVAČA***	Agricultural University of Tirana, Faculty of Veterinary Medicine, Tirana, Albania	CAPABILITY OF BIOFILM DEVELOPMENT THE DIFFERENT STRAINS OF SALMONELLA ENTERITIDIS AND INHIBITORY EFFECT OF ESSENTIAL OILS ON THE INITIAL ADHESION
Galapago, Ma. Christel M. ***Pilien, David P.*** ***De Guzman, Ronel S.***	President Ramon Magsaysay State University, Zambales, Philippines	IN SITU SOIL CHEMICAL AND PHYSICAL ANALYSIS OF THE SWEETEST CARABAO MANGOES OF ZAMBALES
Amir KARIM ***Parvaneh BANDEH-ELAHI*** ***Shahryar BEHROUZI*** ***Elham HAGHVIRDILOU***	University of Tabriz, Faculty of Ahar Agriculture & Natural Resources, Department of Animal Science, Tabriz, Iran	STUDY OF RED MEAT PRODUCTION IN BROILER CHICKS BY MANIPULATION OF THYROID HORMONES
Amir KARIMI ***Najm-aldin MOHAMMADI*** ***Shahryar BEHROUZI*** ***Davoud KİANİFARD***	University of Tabriz, Faculty of Ahar Agriculture & Natural Resources, Department of Animal Science, Tabriz, Iran	EFFECTS OF TRANSIENT HYPO-AND HYPERTHYROIDISM IN SEMINIFEROUS TUBULAR DIAMETER AND SERTOLI CELL POPULATION IN MALE JAPANESE QUAILS
Amir KARIMI ***Behzad PARSA*** ***Shahryar BEHROUZI*** ***Davoud KİANİFARD*** ***Zabihallah NEMATI***	University of Tabriz, Faculty of Ahar Agriculture & Natural Resources, Department of Animal Science, Tabriz, Iran	EFFECTS OF HYDROALCOHOLIC EXTRACTS OF MEDICINAL PLANTS ON HISTOLOGICAL INDICES INDICES OF REPRODUCTIVE ORGANS IN MALE JAPANESE QUAILS
Tehreem Ali ***Arslan Sarwar*** ***Mian Muhammad Khubaib Sattar*** ***Rabia Manzoor*** ***Muhammad Asad Ali*** ***Aftab Ahmad Anjum***	University of Central Punjab, Lahore, Pakistan The Islamia University of Bahawalpur, Bahawalpur, Punjab, Pakistan University of Veterinary and Animal Sciences, Lahore, Pakistan	MOLECULAR CHARACTERIZATION AND ANTIBIOTICS RESISTANCE PATTERN OF CLOSTRIDIUM PERFRINGENS TYPE A ISOLATED FROM NECROTIC ENTERITIS
ANDERSINA-SIMINA PODAR ***Anca-Corina FĂRCAŞ*** ***Sonia-Ancuța SOCACI***	University of Agricultural Sciences and Veterinary Medicine from Cluj-napoca, Romania, Faculty of Food Science and	RECENT RESEARCHES FOR COENZYME Q10 FROM FOOD

Cristina-Anamaria SEMENIUC ***Maria-Ioana SOCACIU*** ***Melinda FOGARASI***	Technology, Department of Food Science, Cluj-Napoca, Romania	MATRICES. SUPPLEMENTATION IN AGING AND DISEASES
Ehizogie J. FALODUN ***Phebe Asanga***	University of Benin, Nigeria	PRODUCTIVITY OF SOYBEAN (Glycine max (L.) Merril) AS INFLUENCED BY TIME OF FERTILIZER APPLICATION AND ROW SPACING

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SESSION-1, HALL-2/OTURUM-1, SALON-2

MODERATOR: Assoc. Prof. Gökşen ÇAPAR

AUTHOR(S)	AFFILIATION	TITLE
ADENIRAN Adebayo Adeniyi ***AGBAJE, IyanuOluwa*** ***OLADIRAN Sunday*** ***OGUNTADE Mariam Iyabode***	Federal College of Agriculture, Ibadan, Oyo State, Nigeria	FACTORS INFLUENCING ADOPTION OF SUSTAINABLE AGRICULTURAL PRACTICES AMONG MAIZE FARMERS IN AKINYELE LOCAL GOVERNMENT AREA OF OYO STATE
Adeniran A. A. ***Akinpelu O. A.*** ***Omoyajowo A. O.*** ***Oyediran W. O.***	Federal College of Agriculture, Ibadan, Oyo State, Nigeria Federal Ministry of Agriculture, Abeokuta, Ogun State, Nigeria	KNOWLEDGE AND PREVENTIVE MEASURES OF COVID-19 AMONG ARABLE CROP FARMERS' IN IDO LOCAL GOVERNMENT AREA OF OYO STATE, NIGERIA
Arigbo Precious Obinna	University of Nigeria Nsukka	EFFECTS OF NATIONAL YOUTH SERVICE CORPS COMMUNITY DEVELOPMENT SERVICE (NYSC CDS) ON COMMUNITIES IN ABIA STATE, NIGERIA
YEOH ZHI YEE ***HERMAN SHAH ANUAR***	University Utara Malaysia, Malaysia	THE IMPACT OF HEAD OF INTERNAL AUDIT GENDER, INTERNAL AUDIT RESOURCES AND INTERNAL AUDIT SPENDING ON INTERNAL AUDIT EFFECTIVENESS: EVIDENCE FROM MALAYSIA
Ojo, O.F ***Dimelu, M.U***	University of Nigeria, Nsukka. Nigeria	CONSTRAINTS AND STRATEGIES FOR IMPROVING AGRICULTURAL INTERVENTION PROJECTS IN NIGERIA: EXPERIENCE FROM MULTINATIONAL NERICA RICE DISSEMINATION PROJECT IN EKITI STATE, NIGERIA
Assoc. Prof. Gökşen Çapar ***Özlem Taşkın*** ***Buse Uçar*** ***Tolga Pilevneli*** ***Dr. Ertuğ Erçin***	Ankara University, Water Management Institute, Ankara, Turkey	CROSS-BORDER CLIMATE VULNERABILITIES OF AGRI-FOOD TRADE SYSTEMS: TURKEY-EUROPE-AFRICA
Nguyen Thanh Binh ***Le Van Thuy Tien***	Can Tho University, Vietnam	AGRICULTURAL DEVELOPMENT UNDER CLIMATE CHANGE CONTEXT – A CASE OF RICE PRODUCTION IN THE VIETNAMESE MEKONG DELTA

Jane Mbolle Chah ***Ifeoma Quinette Anugwa*** ***Ifeanyi Miracle Nwafor***	University of Nigeria, Nsukka, Nigeria	FACTORS DRIVING ADOPTION AND CONSTRAINING THE NON-ADOPTION OF BIOFORTIFIED ORANGE FLESHED SWEET POTATOES (OFSP) AMONG FARMERS IN ABIA STATE, NIGERIA
Ifeoma Quinette Anugwa ***Precious Chinenye Agbo*** ***Agwu Ekwe Agwu***	University of Nigeria, Nsukka, Nigeria	GENDER DIFFERENCES IN PERCEIVED VULNERABILITY AND ADAPTATION STRATEGIES TO CLIMATE CHANGE EFFECTS ON ARABLE CROP PRODUCTION IN ENUGU STATE, NIGERIA

28.05.2022
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SESSION-1, HALL-3/OTURUM-1, SALON-3

MODERATOR: Dr. K.S Chandrasekar

AUTHOR(S)	AFFILIATION	TITLE
Naureen Maqbool Mumtaz Ahmed, PhD	Department of Economic Comsats University Islamabad	EVIDENCE OF BUBBLES IN PAKISTAN AND ITS MAJOR TRADING PARTNERS' STOCKS MARKET'S
Asha Devi.J. Sumi A M Dr. K.S Chandrasekar	University of Kerala, Thiruvananthapuram, Kerala, INDIA.	FUTURE OF FOOD SUPPLY CHAIN MANAGEMENT IN INDIAN AGRICULTURE
Dr. Ehsan Rasoulinezhad	Faculty of World Studies, University of Tehran, Iran	HOW ARE ENERGY AND AGRICULTURAL COMMODITY PRICES RELATED?
Marija SUDAR Nikola PUVAČA Marko CARIĆ	University Business Academy in Novi Sad, Faculty of Economics and Engineering Management in Novi Sad, Novi Sad, Serbia	CONCEPTUALISING SUSTAINABLE DEVELOPMENT OF AGRICULTURAL ECONOMICS IN EUROPEAN UNION FRAMEFORK
Marija SUDAR Nikola PUVAČA Sandra BRKANLIĆ Jelena VAPA TANKOSIĆ Marko CARIĆ	University Business Academy in Novi Sad, Faculty of Economics and Engineering Management in Novi Sad, Novi Sad, Serbia	THE SERBIA CYCLICAL EVOLUTION OF AGRICULTURAL ECONOMICAL GROWTH AND AGRICULTURAL SUPPORT POLICIES
Fawad Ullah Baig Mumtaz Ahmed	COMSATS University Islamabad (CUI), Islamabad, Pakistan	TIME VARYING CONNECTEDNESS AMONG FUEL PRICES IN ENERGY ECONOMY USING A TIME-FREQUENCY BASED FRAMEWORK
Saman Razzaq Mumtaz Ahmed	COMSATS University Islamabad (CUI), Islamabad, Pakistan	INTERCONNECTEDNESS AMONG EXCHANGE RATE MARKETS OF PAKISTAN WITH ITS MAJOR TRADING PARTNERS
Masoumeh Hosseini Mohsen Barin Mir Hassan Rasouli-Sadaghiani Farrokh Asadzadeh	Urmia University, Urmia, Iran	OPTIMIZATION OF BIOFERTILIZER FORMULATION FOR PHOSPHORUS SOLUBILIZING: APPLICATION OF RESPONSE SURFACE METHODOLOGY
Muhammad Tahir Mumtaz Ahmed, Ph.D.	Department of Economics, COMSATS University Islamabad	GENERALIZED FINANCIAL STRESS INDEX AND REGIMES IN CASE OF PAKISTAN

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SESSION-1, HALL-4/OTURUM-1, SALON-4

MODERATOR: Assist. Prof. Dr. Hasan KOYUN

AUTHOR(S)	AFFILIATION	TITLE
Assist. Prof. Dr. Hasan KOYUN ***Selahaddin KİRAZ*** ***Seyrani KONCAGÜL***	Van-Yuzuncu Yil University, Van, Turkey	EXPLOITING OF NEXT GENERATION SEQUENCING (NGS) PLATFORMS IN LIVESTOCK GENOMES
Ferit YILDIZ ***Prof.Dr.Musa GENCCELEP***	Ministry Of Agriculture And Forestry, Provincial Directorate Of Mus, Mus, Türkiye Van-Yuzuncu Yil University, Van, Turkey	THE USE OF TILMICOSIN AND CEFQUINOMA IN THE TREATMENT OF FOOT ROT
Assist. Prof. Dr. Şükrü DEĞİRMENÇAY	Atatürk University, Erzurum, Türkiye	CONGESTIVE HEART FAILURE IN A CALF WITH RESPIRATORY DISTRESS SYNDROME
Berna YANMAZ	Burdur Mehmet Akif Ersoy University, Burdur, Turkey	USE OF INFRARED THERMOGRAPHY FOR DETERMINING MEAT QUALITY
Nurşin AYDIN ***Şerife YAY*** ***Fatma ÇELENK*** ***Bayram BAYRAM***	Dicle University, Turkey	HISTOLOGICAL STRUCTURE OF THE TRACHEA AND THE HISTOCHEMICAL PROFILE OF MUSINS SYNTHETIC FROM EPITELS AND GLANDS IN PARTRIDGE (ALECTORIS CHUKAR)
Merve İDER	Selçuk Üniversitesi University, Turkey	THE RELATIONSHIP OF SOME BLOOD GAS PARAMETERS WITH MORTALITY IN CALVES WITH VIRAL ORIGIN NEONATAL DIARRHEA
Assist. Prof. Dr. Halil YAVUZ ***Assist. Prof. Dr. Muhammet Hanifi SELVİ*** ***Assist. Prof. Dr. Yavuzkan PAKSOY***	Necmettin Erbakan University, Konya, Türkiye	EVALUATION OF SOME BIOCHEMICAL PARAMETERS RELATED TO LIVER DISEASES IN RACE HORSES
Özden SARIKAYA ***Kürşat ALKOYAK*** ***Yusuf KAPLAN*** ***Şerife SERTKAYA*** ***Süleyman ASLAN***	T.C. Tarım ve Orman Bakanlığı, Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü, Hayvancılık ve Su Ürünleri Araştırma Daire Başkanlığı Ankara, Türkiye	HISTORICAL DEVELOPMENT AND SUPPORT MODEL OF THE ANATOLIAN WATER BUFFALO BREEDING PROJECT IMPLEMENTED IN TÜRKİYE

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SESSION-1, HALL-5/OTURUM-1, SALON-5

MODERATOR: Assist. Prof. Dr. Fevzi ALTUNER

AUTHOR(S)	AFFILIATION	TITLE
Elif ÇELİK ***Doğan AKÇA***	Kafkas University, Kars, Türkiye	THE COURSE OF DISEASE, CURRENT SITUATION, AND CONTROL AND ERADICATION APPROACHES TO BRUCELLOSIS IN ANIMALS IN KARS REGION (TURKEY)
Çağrı KALE ***Nuriye Tuğba BİNGÖL***	Van Yüzüncü Yıl University, Van, Türkiye	THE EFFECTS OF SUNFLOWER OIL AND SELENIUM SUPPLEMENTATION TO LAYING HEN DIET ON EGG YOLK FATTY ACID COMPOSITION, EGG SELENIUM CONCENTRATION AND SOME BLOOD PARAMETERS
Aliye GÜLMEZ SAĞLAM ***Semra KAYA***	Kafkas University, Kars, Türkiye	RESEARCHES ON ETIOLOGY AND PREVALENCE OF SUBCLINICAL MASTITIS IN CATTLE, AND PROTECTION OF UDDER HEALTH
Assoc. Prof. Dr. Muhammet Kaya ***Esra Gül***	Eskişehir Osmangazi University, Eskişehir, Türkiye	INVESTIGATION OF ENDOGENOUS VIRUSES IN TURKISH DOMESTIC CHICKEN BREEDS
Ilkin Ganbarly ***Emma Agayeva***	Azerbaycan Tarım Üniversitesi, Bakü, Azerbaijan Azerbaycan Tıp Üniversitesi, Bakü, Azerbaijan	DETECTION OF CAUSATIVE AGENTS OF DIARRHEAL DISEASES OF VIRUS-BACTERIAL ETIOLOGY IN SERVICE DOGS IN AZERBAIJAN
Eda Nur OKMAN ***Süleyman KOZAT***	Yuzuncu Yil University, Van, Turkey	BACTERIAL AGENTS CAUSING DIARRHEA IN NEWBORN LAMBS
Eda Nur OKMAN ***Süleyman KOZAT***	Yuzuncu Yil University, Van, Turkey	VIRAL AGENTS CAUSING DIARRHEA IN NEWBORN LAMBS
Assist. Prof. Dr. Fevzi ALTUNER ***Burak ÖZDEMİR*** ***Sana JAMAL SALİH*** ***Assoc. Prof.Dr.Erol ORAL*** ***Prof.Dr.Mehmet ÜLKER***	Van Yüzüncü Yıl University, Van, Turkey	THE EFFECTS OF CHEMICAL FERTILIZER AND RHISOBACTERIAL (PGPR) COMBINATIONS ON YIELD AND YIELD PROPERTIES IN BARLEY VARIETIES
Ozay GULES ***Mustafa YILDIZ***	University of Afyon Kocatepe, Afyonkarahisar, Turkey Canakkale Onsekiz Mart University, Canakkale, Turkey	THE EFFECT OF HERBAL EXTRACT MIXTURE (DIGESTAROM) SUPPLEMENTATION TO DIETS ON DUODENUM AND ILEUM HISTOLOGY IN BROILER CHICKENS

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SESSION-2, HALL-1/OTURUM-2, SALON-1

MODERATOR: Dr.C.Vijai

AUTHOR(S)	AFFILIATION	TITLE
Major Giurgiu Gheorghe ***Prof. Dr. Cojocaru Manole***	Deniplant-Aide Sante Medical Center, Biomedicine, Bucharest, Romania	GUT DYSBIOSIS IN DOGS WITH SPINAL CORD INJURY: IMPACT OF POLENOPLASMIN
Anamika GAUTAM	Banasthali Vidyapith, Jaipur, India	COMBINATION THERAPY IN ASTHMA: A REVIEW
Momna Mehmood ***Muhammad Naeem Faisal*** ***Alishbah Roobi*** ***Noreen Aslam*** ***Aiza Kamal Khan***	University of Agriculture Faisalabad, Pakistan	IDENTIFYING THE WNT/BETA CANTENINPATHWAY AND miRNA CROSS TALK OVER THE EXPRESSION LEVEL OF CHEK2 AND LRPIB TUMOR SUPRESSOR GENE IN BREAST CANCER
Rupal Devi		HEALTH AND CULTURE
Dr.C.Vijai ***Dr.Worakamol Wisetsri*** ***Dr.Purushothaman.N***	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology-INDIA King Mongkut's University of Technology North Bangkok, THAILAND, Patrician College of Arts and Science, Chennai, INDIA	AIR POLLUTION IMPACTS OF HUMAN HEALTH AND THE ENVIRONMENT
Parisa Ehteshamnia ***Maziar Mozaffari Falarti***	University of Tehran	POPULARITY OF HERBAL, HOLISTIC AND ALTERNATIVE REMEDIES IN FIGHTING AGAINST COVID-19 IN THE TRADITIONAL MEDICINES OF THE INDIAN SUBCONTINENT
Deema Rahme	Beirut Arab University, Beirut, Lebanon	PREVALENCE OF ANTIBIOTIC SELF-MEDICATION BY LEFTOVERS IN THE LEBANESE POPULATION
Sabina Khanam	Yobe State University, Nigeria	THE INCIDENCE OF MALARIA AMONG PATIENTS WITH DIFFERENT BLOOD GROUPS ATTENDING SPECIALIST HOSPITAL DAMATURU, YOBE STATE
Assoc. Prof. Dr. Sevgi Gezici ***Prof. Dr. Nazim Sekeroglu***	Gaziantep University, Faculty of Medicine, Department of Medical Biology	PHARMACOLOGICAL AND BIOLOGICAL ACTIVITIES OF POMEGRANATE PEELS

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SESSION-2, HALL-2/OTURUM-2, SALON-2

MODERATOR: Prof. Syed Ibrahim Rizvi

AUTHOR(S)	AFFILIATION	TITLE
Muhammad Saeed ***Misbah Yasin*** ***Majid Muneer*** ***Muhammad Usman***	Government College University Faisalabad, Pakistan	DEVELOPMENT OF Bi2O3-ZnO HETEROSTRUCTURE FOR ENHANCED PHOTODEGRADATION OF RHODAMINE B AND REACTIVE YELLOW DYES
Mohammed ElSaid SARHANI ***Mohamed Abdelilah FADLA*** ***Mohamed Lamine BELKHIR*** ***Bachir BENTRIA*** ***Tahar DAHAME***	Université Amar Telidji de Laghouat, Algeria.	AN EFFICIENT LEAD FREE PEROVSKITE BASED SOLAR CELL SIMULATED USING SCAPS-1D
Mohamed Amine BELKHIR ***Mohamed Elsaid Sarhani*** ***Ahmed Gueddouh***	Université Amar Telidji de Laghouat, Algérie.	FIRST PRINCIPLES STUDY ON OPTO-ELECTRONIC UNDER PRESSURE EFFECT OF TIO2 AS ELECTRON TRANSPORT MATERIAL FOR PEROVSKITES SOLAR CELLS
Mansoor Khan ***Luqman Ali Shah***	University Of Peshawar, KPK Pakistan	HIGHLY SUSTAINABLE HYDROPHOBICALLY ASSOCIATED DOUBLE NETWORK HYDROGELS AS ADVANCED FLEXIBLE STRAIN SENSORS
Gideon Oluwaseun Olayioye ***Promise Goodness Adeleye*** ***Oludare O. Osiboye*** ***Aderemi Timothy Adeleye***	Nigeria Immigration Services (NIS), Lagos State, Nigeria	SYSTEMATIC REVIEWS ON GLOBAL CLIMATE CHANGE IMPACTS, ENVIRONMENTAL RISKS & 2030 SUSTAINABLE AGENDA
Gideon Oluwaseun Olayioye ***Promise Goodness Adeleye*** ***Oludare O. Osiboye*** ***Aderemi Timothy Adeleye***	Nigeria Immigration Services (NIS), Lagos State, Nigeria	SYSTEMATIC REVIEWS ON GLOBAL CLIMATE CHANGE IMPACTS, ENVIRONMENTAL RISKS & 2030 SUSTAINABLE AGENDA
Jitendra Kumar Arya ***Prof. Syed Ibrahim Rizvi***	University of Allahabad, Allahabad-211002, Uttar Pradesh, India	ROLE OF 3-BROMOPYRUVATE AS A NEUROPROTECTOR THROUGH AUTOPHAGY ACTIVATION IN AGED RATS
K. D. Ahire ***A. M. Datir***	Commerce and Dadasaheb Rupwate Science College, Akole, (MS), India	EXPLORATION OF PHYSICO-CHEMICAL PROPERTIES OF ORGANIC TRADITIONAL LEATHER WASTE

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SESSION-2, HALL-3/OTURUM-2, SALON-3

MODERATOR: A G Gerezgiher

AUTHOR(S)	AFFILIATION	TITLE
Nour El Houda tahiri ***Najoua SOULO*** ***Hamza Saghrouchni*** ***Lyoussi badiaa*** ***Lrhorfi Lalla Aicha***	Ibn Tofail University, Kenetra, Morocco Çukurova University, Adana, Turkey Sidi Mohmad Ben Abdellah University, Fez 30000, Morocco	PHYTOCHEMICAL STUDY AND ANTIOXIDANT ACTIVITY OF LEAVES ESSENTIAL OIL OF LAURUS NOBILIS
Rutuja Mandavkar ***Rakesh Kulkarni*** ***Shusen Lin*** ***Shalmali Burse*** ***Md. Ahasan Habib*** ***Sundar Kunwar*** ***Adel Najar*** ***S.Assa Aravindh*** ***Jae-Hun Jeong***	Department of Electronic Engineering, College of Electronics and Information, Kwangwoon University, Nowon-gu Seoul 01897, South Korea.	Development of an ultrasensitive biosensor for electrochemical detection of H_2O_2 based on the highly porous Pt/CuO/Pt hybrid electrode
Rakesh Kulkarni ***Sundar Kunwar*** ***Rutuja Mandavkar*** ***Jae-Hun Jeong*** ***Jihoon Lee***	Department of Electronic Engineering, College of Electronics and Information, Kwangwoon University, Nowon-gu Seoul 01897, South Korea.	Non-enzymatic super porous hybrid CuO/Pt NPs platform for detection of hydrogen peroxide (H_2O_2) and various other bio-molecules
Shalmali Burse ***Rutuja Mandavkar*** ***Shusen Lin*** ***Rakesh Kulkarni*** ***Sanchaya Pandit*** ***Sundar Kunwar*** ***Jihoon Lee***	Department of Electronic Engineering, College of Electronics and Information, Kwangwoon University	Detection of R6G biomolecular dye by utilizing graphene quantum Dots on hybrid core-shell Pd@Ag NPs for the enhancement of SERS application
Shusen Lin ***Sundar Kunwar*** ***Rutuja Mandavkar*** ***Rakesh Kulkarni*** ***Shalmali Bursea*** ***Md Ahasan Habiba*** ***Sanchaya Pandita*** ***Jihoon Lee***	*Department of Electronic Engineering, College of Electronics and Information, Kwangwoon University, Nowon-gu Seoul 01897, South Korea.*	MoS2 nanoplatelets on hybrid core-shell AuPt nanoparticles for the surface-enhanced Raman spectroscopy (SERS) enhancement of methylene blue
Md Ahasan Habib ***Rutuja Mandavkar*** ***Shusen Lin*** ***Rakesh Kulkarni***	Department of Electronic Engineering, College of Electronics and Information, Kwangwoon University, Nowon-gu Seoul 01897, South Korea	Development of functionalized MoS_2/AuPt core-shell NPs for SERS enhancement biomolecule detection via the incorporation of CV

Sanchya pandit ***Shalmali Burse*** ***Puran Pandey*** ***Sundar Kunwar*** ***Jihoon Lee***		
A G Gerezgiher ***T Szabó***	University of Miskolc, H-3515 Miskolc-Egyetemváros, Hungary	CROSSLINKING OF STARCH USING CITRIC ACID
Nawal. SETTI ***Yassine.KADDOURI*** ***Rachid.TOUZANI*** ***Ali.DAFALI***	Mohammed First University, Oujda, Morocco	EVALUATION OF A SYNTHETIZED COMPOUND AS AN EFFICIENT CORROSION INHIBITOR FOR MILD STEEL IN HYDROCHLORIC ACID

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SESSION-2, HALL-4/OTURUM-2, SALON-4

MODERATOR: Assoc. Prof. Dr. Ayhan BAŞTÜRK

AUTHOR(S)	AFFILIATION	TITLE
Assist. Prof. Dr. Hülya YAMAN	Bolu Abant Izzet Baysal University, Bolu, Turkey	RESEARCH ON STRUCTURAL CHARACTERIZATION OF MILK PROTEIN FRACTIONS USING FTIR SPECTROSCOPY
Özgül YAZAR *Ahmet AÇIK* *Mehmet TOKATLI*	Tokat Gaziosmanpaşa University, İzmir, Türkiyee	MICROBIAL NANOPARTICLES AND FOOD APPLICATIONS
Öznur EYMİR *Nermin BİLGİÇLİ*	Necmettin Erbakan University, Konya, Türkiye	UTILIZATION OF TURMERIC AND GINGER PRODUCTS IN NOODLE FORMULATION
Assist. Prof. Dr. Yusuf ÇAKIR *Gökhan DERVİŞOĞLU*	Bingöl University, Bingöl, Turkey	ANTIMICROBIAL EFFECT OF HONEYS COLLECTED IN BİNGÖL REGION
Zeynep GÜRBÜZ *Mustafa ŞENGÜL* *Elif DADEMİR* *Tuba ERKAYA KOTAN* *Hüseyin Ender GÜRMERİÇ*	Atatürk University, Erzurum, Turkey Gümüşhane University, Erzurum, Turkey	PRODUCING BENZOIC ACID BY NATURAL WAY IN FERMENTED DAIRY PRODUCTS
Hüseyin Ender GÜRMERİÇ *Zeynep GÜRBÜZ* *Tuba ERKAYA KOTAN* *Mustafa ŞENGÜL*	Gümüşhane University, Erzurum, Turkey Atatürk University, Erzurum, Turkey	DETERMINATION OF ANTIOXIDANT ACTIVITIES OF YOGURT SAMPLES MARKETED IN ERZURUM, TURKEY
Yeşim BEDİR *M.Murat KARAOĞLU* *Aslıhan HANOĞLU*	Atatürk University, Erzurum,Turkey	THE RIPENING OF KIWIFRUIT BY APPLE
Tekmile CANKURTARAN KÖMÜRCÜ	Necmettin Erbakan University, Konya, Türkiye	EFFECT OF DRIED JUJUBE FRUIT AT DIFFERENT TEMPERATURES ON VARIOUS PHYSICAL PROPERTIES OF COOKIES
Ayhan BAŞTÜRK *Berfin YAVAŞ*	Van Yüzüncü Yıl University, Van, TÜRKİYE	ANTIOXIDANT ACTIVITIES AND VOLATILE COMPONENT PROFILES OF TÜRKİYE PROPOLIES
Murat Emre TERZİOĞLU *İhsan BAKIRCI*	Atatürk University, Faculty of Agriculture, Department of Food Engineering, Erzurum, Turkey	NUTRITIONAL CONTENT AND BIOACTIVITY OF SHEEP MILK
Murat Emre TERZİOĞLU *İhsan BAKIRCI*	Atatürk University, Faculty of Agriculture, Department of Food Engineering, Erzurum, Turkey	FRUITY PROBIOTIC YOGURTS IN TERMS OF THEIR DIFFERENT ASPECTS

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SESSION-2, HALL-5/OTURUM-2, SALON-5

MODERATOR: Assoc. Prof. Dr. Burcu TUNCER

AUTHOR(S)	AFFILIATION	TITLE
Assoc. Prof. Dr. Burcu TUNCER	Van Yüzüncü Yıl University, Van, TÜRKİYE	CURRENT STATUS OF SOLANACEAE FAMILY VEGETABLE SPECIES REGISTERED IN TURKEY
Assoc. Prof. Dr. Burcu TUNCER	Van Yüzüncü Yıl University, Van, TÜRKİYE	CURRENT STATUS OF CRUCIFERAE FAMILY VEGETABLE SPECIES REGISTERED IN TURKEY
Assist. Prof. Dr. Gül Yücel ***Lect. Merve Tanfer***	Peyzaj ve Süs Bitkileri Programı, Yalova Meslek Yüksek Okulu, Yalova Üniversitesi	CONSERVING EX-SITU AND SUSTAINABILITY OF ENDEMIC PLANTS BY CREATING A COLLECTION GARDEN EXAMPLE OF YALOVA PROVINCIAL ENDEMIC PLANT COLLECTION GARDEN
Assist. Prof. Dr. Ömer BİNGÖL	Van Yüzüncü Yıl University, Van, TÜRKİYE	THE INVESTIGATION OF THE EFFECT OF STATIC MAGNETIC FIELD APPLICATION ON GERMINATION PARAMETERS OF TOMATO PLANT
Ayşegül EROĞLU ***Abdulahad DOĞAN*** ***Fatih DÖNMEZ*** ***Burak KAPTANER***	Van Yüzüncü Yıl University, Van, TÜRKİYE	INVESTIGATION OF THE ANTIOXIDATIVE EFFECTS OF GRAPE HYACINTH (Muscari neglectum Guss. Ex Ten.) PLANT EXTRACT ON CCL4-INDUCED LIVER AND RENAL DAMAGE IN RATS
Assist. Prof. Dr. Alper SOYSAL	Ç.Ü. Ceyhan Meslek Yüksekokulu, Makina ve Metal Teknolojisi Bölümü Tarım Makinaları Programı	COMPARISON OF FLAT FAN NOZZLES USED IN HERBICIDE APPLICATIONS IN TERMS OF WEED CONTROL EFFICIENCY
Assist. Prof. Dr. Erçin OKSAL	Malatya Turgut Özal Üniversity, Malatya, Türkiye	EFFECTS OF BACILLUS AND PSEUDOMONAS SPP. AGAINST MELON FUSARIUM WILT
Filiz KAZAK ***Tülay ÇİMRİN*** ***Sema ALAŞAHAN*** ***Mehmet Ali KISAÇAM*** ***Tuncer KUTLU***	Hatay Mustafa Kemal Üniversity, Hatay, Türkiye	THE EFFECTS OF BLACK CUMIN (NIGELLA SATIVA L..) SEED ON CARCASS CHARACTERISTICS, KIDNEY OXIDANT ANTIOXIDANT LEVELS AND ILEUM HISTOMORPHOLOGY IN JAPANESE QUAILS
Ayşe ÖZBEK ***Prof.Dr.İlhan Kaya TEKBUDAK*** ***Assoc. Prof. Dr. Mustafa USTA*** ***Assist. Prof. Dr. İbrahim DEMİR***	Van Yüzüncü Yıl University, Van, TÜRKİYE	DETERMINATION OF GENETIC DIVERSITY OF Cuscuta campestris Yunck. IN TURKEY

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SESSION-3, HALL-1/OTURUM-3, SALON-1

MODERATOR: Dr. Enyew Amare Zereffa

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Said Dlimi ***Lhoussine Limouny*** ***Hayat Elkhatat***	University Chouaib Doukkali, El jadida, Morocco	SIMULATION AND OPTIMIZATION OF A SOLAR PUMPING SYSTEM FOR AGRICULTURAL IRRIGATION
D. Jini	Malankara Catholic College, India	EFFECT OF SALICYLIC ACID ON THE IONIC ACCUMULATION AND DISTRIBUTION FOR SALT TOLERANCE IN Oryza sativa L.
Enyew Amare Zereffa	Adama Science and Technology University, Ethiopia	SYNTHESIS OF ZnO/PVA NANOCOMPOSITE USING AQUEOUS FOR FOOD PACKAGING
Halima Saliu Aliu ***Efosa B. Odigie*** ***Agbonluai Richard Ehimigbai***	University of Benin, School of Basic Medical Sciences, Department of Medical Laboratory Science, Benin City, Nigeria	INVESTIGATING COLD, HOT AND ALCOHOLIC EXTRACTS OF LAWSONIA INERMIS LINN (HENNA) AS CYTOLOGICAL STAINS
Afifa Baig ***Radhey Mohan Yadav*** ***Kapil Pandey*** ***Saimah Khan***	Department of Chemistry, Integral University, India	THE COMPARISON STUDY OF EXTRACTION PROCESSES OF ESSENTIAL OIL OBTAINED FROM BLACK PEPPER
Gergana DESHEVA ***Svilena TOSHEVA*** ***Evgenia VALCHINOVA*** ***Albena PENCHEVA***	"Konstantin Malkov" Agricultural Academy, Bulgaria	STUDY OF THE EFFECT OF DIFFERENT LEVELS OF SALINITY WITH MgCl2 ON GERMINATION AND SEEDLING CHARACTERISTICS IN RICE VARIETIES
ONASANYA Abimbola Kofoworola ***OLALEKAN Olawale Jubril*** ***ELUMALERO Gabriel Olabode*** ***OGUNBELA Adegboyega Ayo*** ***APENAH Maria Olamide*** ***AGBOOLA John Olatunji*** ***AJAYI Olalekan Kehinde***	Forestry Research Institute of Nigeria, Forest Based Rural Resource Centre, Ikija-Ijebu, Ogun State	ETHNOBOTANICAL UTILISATION OF BLIGHIA SAPIDA IN ABEOKUTA METROPOLIS, SOUTH WESTERN NIGERIA

Widya Pintaka Bayu PUTRA	Research Center for Applied Zoology - National Research and Innovation Agency, Bogor, Indonesia	HAPLOTYPE DIVERSITY IN THE MITOGENOME OF VAQUITA (Phocoena sinus)

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SESSION-3, HALL-2/OTURUM-3, SALON-2

MODERATOR: Ananda Majumdar

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Assist. Prof. Dr. Nasim KIAN-POUR	Istanbul Aydin University, Istanbul, Türkiye	USAGE OF MEDIUM TO HIGH-POWER MICROWAVE-BLANCHING PRETREATMENT TO IMPROVE DRYING CHARACTERISTICS OF LEEK: DRYING KINETICS, TRANSPORT, AND THERMOPHYSICAL PROPERTIES
Melek ZOR ***Menekşe BULUT*** ***Merve SİLGAN***	Ağrı İbrahim Çeçen University, Ağrı, Türkiye Iğdır University, Iğdır, Türkiye,	INTENDED USE OF DIET FIBER IN DAIRY INDUSTRY
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Sagyndykov Utemurat ***Nurysh Aida*** ***Amangosova Inabat***	Eurasian National University. L. N. Gumilyova Nur-Sultan, Kazakhstan;	INVESTIGATION OF THE INTENSITY OF CARBOHYDRATE FERMENTATION OF LACTIC ACID BACTERIA FOR THE PREPARATION OF A PROBIOTIC DRINK
Huynh Thi Ai Van ***Margrét Geirsdóttir*** ***Cecile Dargentolle***	Faculty of Food Technology, Nha Trang University, No. 2 Nguyen Dinh Chieu St., Nhatrang City, Vietnam	THE EFFECT OF CHITOSAN-BASED COATING ON THE QUALITY OF FRESH REDFISH (Sebastes marinus) FILLET DURING COLD STORAGE
H. EL BASETT ***F. RAFAKI*** ***H. HAJJAJ***	Moulay Ismail University, Morocco Laboratory « Les Conserves de Meknès » (LCM), Morocco	OLIVE OILS ENRICHED WITH LYCOPENE FROM TOMATO BY-PRODUCTS: THE RELATIONSHIP OF LYCOPENE CONTENT WITH COLOUR AND ANTIOXIDANT ACTIVITY
Ananda Majumdar	University of Alberta	VEGETABLE NUTRITION AND BENEFITS

Konuri Ravi Kumar ***Swapan Kumar Kolay***	School of Anthropology & Tribal Studies, India	FOOD HABITS AND DENTAL HEALTH: EXAMPLE FROM TRIBAL AND NON- TRIBAL COMMUNITIES OF BASTAR DISTRICT IN CHHATTISGARH, INDIA
Muniza Javed ***Dr. Asma Seemi Malik*** ***Sheeza Bashir***	Lahore College for Women University, Lahore, Pakistan	"PERCEPTION KNOWLEDGE AND ATTITUDES OF PEOPLE REGARDING FOOD ALLERGY IN PAKISTAN: MYTH, MISCONCEPTIONS AND REALITY"
Baidiaa Hafidh Mohammed ***Ashraq Monir Mahmed*** ***Aliaa Mohsen Ghadban***	University of Baghdad	STUDY OF THE CHEMICAL COMPOSITION OF POMEGRANATE SEEDS AND ITS INTRODUCTION INEXTENSION THE SHELF LIFE OF BURGERS

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SESSION-3, HALL-3/OTURUM-3, SALON-3

MODERATOR: Assoc. Prof. Dr. Sibgha Noreen

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Minodora Manu ***Marilena Onete***	Romanian Academy, Bucharest, Romania	DIVERSITY OF PHORETIC MITES LIVING IN THE BODIES OF SPRUCE BARK BEETLES, IN ROMANIA
Muhammad ASIM ***Büşra YILDIRIM*** ***Seyid Amjad ALİ***	Department of Plant Protection, Faculty of Agricultural Sciences, Sivas University of Science and Technology, Sivas, Turkey	MACHINE LEARNING ALGORITHMS FOR ESTIMATING THE IMPACT OF H2O2 CONCENTRATION AND TIME ON IN VITRO GERMINATION OF INDUSTRIAL HEMP (Cannabis sativa L.)
Anisha Chauhan	Banasthali Vidyapith University	GENETICALLY MODIFIED CROPS: AN OVERVIEW
Stanislava Stateva	Agricultural Academy, Institute of Plant Genetic Resources, „ Konstantin Malkov” Sadovo, Plovdiv, Bulgaria	MICROPROPAGATION OF ATROPA BELLADONNA L
Subandi, M. ***Budy Frasetya T.Q*** ***Hazna Tania Sopyani***	State Islamic University of Sunan Gunung Djati of Bandung	EFFECT OF VARIOUS MANURES AND CONCENTRATION OF RICE HUSK SILICA EXTRACT ON GROWTH AND YIELD OF SWEET CORN (Zea mays saccharata Sturt)
Ralf Benjo G. Morilla ***Cesar G. Demayo***	Mindanao State University-Iligan Institute of Technology, Iligan City, Philippines	PHYTOCHEMICAL AND BIOCHEMICAL CHARACTERIZATION OF BIOACTIVE COMPOUNDS FROM FRESH AND AIR DRIED ETHANOLIC LEAF EXTRACT OF Tagetes erecta (L.) (AMARILLO)
Fatemeh Hashemnejad ***Mohsen Barin*** ***Mir Hassan Rasouli-Sadaghiani*** ***Maryam Khezri*** ***Youbert Ghoosta*** ***Farrokh Asadzadeh***	Urmia University, Urmia, Iran	OPTIMIZATION OF CULTURE CONDITIONS FOR ZINC PHOSPHATE SOLUBILIZATION BY Aspergillus sp. USING RESPONSE SURFACE METHODOLOGY

Neethu Sudarsan ***Dr. Hema T. A***	Malankara Catholic College, Affiliated to Manonmaniam Sundaranar University, Tirunelveli	GREEN SYNTHESIS OF SILVER NANO PARTICLES FROM TERMINALIA CHEBULA FRUIT AND ITS BACTERICIDAL ACTIVITY AGAINST DIABETES WOUND PATHOGENS

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SESSION-3, HALL-4/OTURUM-3, SALON-4

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Prof. Dr. Dr. Morakeng Edward Kenneth Lebaka	University of Zululand – KwaDlangezwa Campus; Faculty of Humanities and Social Sciences, Department of Creative Arts, South Africa	PRESERVATION AND CONSERVATION OF PLANTS FOR TRADITIONAL MEDICINAL USE: THE CASE OF TRADITIONAL HEALING PROFESSION IN THE BAPEDI SOCIETY
Umeakunne, L.	University of Nigeria, Nsukka	ASSESSMENT OF ANTIBIOTIC USE AMONG POULTRY FARMERS IN ANAMBRA STATE, NIGERIA
Abhishek V. Yadav	University of Mumbai kalina, Maharashtra	ZINC OXIDE NANOPARTICLES AS A FERTILIZERS TO ENHANCE THE GROWTH PARAMETERS OF PLANTS
Nassima RIOUCHI ***Oussama RIOUCHI*** ***Mohamed ABOU-SALAMA*** ***Mohamed LOUTOU***	Mohamed 1st University, Morocco.	APPLICATION OF THE LANGMUIR AND FREUNDLICH MODELS TO THE ADSORPTION ISOTHERMS OF HEAVY METALS BY PURIFIED CLAY
Yusra Khatoon ***Saimah Khan***	Department of Chemistry, Integral University, India	THE STUDY ON EXTRACTION PROCESS AND ANALYSIS OF COMPONENTS IN ESSENTIAL OILS OBTAINED FROM THE WASTAGE PEELS OF CITRUS FRUITS
Fathiyatul Mudzkiroh ***Dita Juliana Pravita*** ***Shinta Marcelyna***	Universitas Islam Indonesia, Faculty of Medicine, Student, Sleman Regency, Indonesia	POTENTION OF STRIGOLACTONE ANALOG ENCAPSULATED WITH EpCAM APTAMER-LIPOSOME NANOPARTICLE BASED AS TARGETED THERAPY FOR COLORECTAL CANCER
Dr. Ihim Augustine Chinedu ***Prof Onyenekwe Charles Chinedum*** ***Prof Meludu Samuel Chukwuemeka***	Nnamdi Azikiwe University, Awka, Nigeria	LIPID PROFILE, FREE FATTY ACID, APOLIPOPROTEIN B, APOLIPOPROTEIN B 48, APOLIPOPROTEIN B 100 AND MALONDIALDEHYDE IN MYCOBACTERIUM TUBERCULOSIS INFECTED INDIVIDUALS BEFORE, DURING AND AFTER TREATMENT
ONASANYA Abimbola Kofoworola ***OLALEKAN Olawale Jubril*** ***ELUMALERO Gabriel Olabode*** ***OGUNBELA Adegboyega Ayo*** ***APENAH Maria Olamide*** ***AGBOOLA John Olatunji***	Forestry Research Institute of Nigeria, Forest Based Rural Resource Centre, Ikija-Ijebu, Ogun State	ETHNOBOTANICAL UTILISATION OF BLIGHIA SAPIDA IN ABEOKUTA METROPOLIS, SOUTH WESTERN NIGERIA

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OKANLAWON FUNMİLAYO ***OLUBUKOLA AWOTOYE*** ***JULIUS ABIOLA*** ***EMMANUEL ADELUSI***	Federal College Of Forestry, Department Of Wood And Paper Technology, Ibadan, Nigeria	PRESERVATIVE POTENTIAL OF DATURA METEL SEED OIL ON TRIPLOCHITON SCLEROXYLON(SCHUMANN)
JULIANA AMAKA UGWU	Forestry Research Institute of Nigeria, Federal College of Forestry, Ibadan, Department of Forestry Technology, Ibadan Nigeria	BIOASSAY OF PLANT EXTRACTS AGAINST TRIBOLIUM CASTANEUM (COLEOPTERA; TENEBRIONIDAE)

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SESSION-3, HALL-5/OTURUM-3, SALON-5

MODERATOR: Prof. Dr. Fikret YAŞAR

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Assist. Prof. Dr. Abdullah GÜLLER ***Assoc. Prof. Dr. Mustafa USTA***	Bingöl Üniversity, Bingöl, Türkiye Van Yüzüncü Yıl Üniversity, Van, Türkiye	MOLECULAR CHARACTERIZATION of 16S RDNA NUCLEOTIDE SEQUENCE of '*Ca. P. trifolii*' IN PHYTOPLASMA-SUSPICIOUS CUCUMBER PLANTS IN VAN PROVINCE
Assoc. Prof. Dr. Tamer ERYİĞİT ***Mehmet Akif ÇELEBİ***	Van Yüzüncü Yıl Üniversity, Van, Türkiye	THE EFFECT DIFFERENT HUMIC ACID DOZES ON THE YIELD AND QUALITY FEATURES OF COTTON (Gossypium hirsutum L.) VARIETIES UNDER DİYARBAKIR ECOLOGICAL CONDITIONS
Oktay TOMAR ***Bahar SANCAR***	Kocaeli University, Kocaeli, Turkey	*Artemisia annua* L. OF ESSENTIAL OIL ANTIOXIDANT, ANTIBACTERIAL AND ANTIFUNGAL PROPERTIES
Bahar SANCAR ***Oktay TOMAR*** ***Abdullah ÇAĞLAR***	Kocaeli University, Kocaeli, Turkey	PLANT BASED PROTEINS
Oktay TOMAR ***Bahar SANCAR***	Kocaeli University, Kocaeli, Turkey	MEDICINAL AROMATIC PLANTS AND ESSENTIAL OILS
Prof. Dr. Ahmet KORKMAZ ***Güney AKINOĞLU*** ***İlkay ÇOKA***	Ondokuz Mayıs Üniversity, Samsun, Türkiye	COMMON PHYSIOLOGICAL DISORDERS IN FRESH TOMATO FRUIT
Prof. Dr. Ahmet KORKMAZ ***Güney AKINOĞLU*** ***İlkay ÇOKA***	Ondokuz Mayıs Üniversity, Samsun, Türkiye	BIOTIC AND ABIOTIC STRESS FACTORS IN RICE PLANTS
Prof. Dr. Fikret YAŞAR ***Assoc. Prof. Dr. Özlem ÜZAL***	Van Yüzüncü Yıl Üniversity, Van, Türkiye	MACRO ELEMENT ACCUMULATIONS IN PEPPER SEEDLINGS APPLIED WITH DIFFERENT NUTRITIONAL SOLUTIONS
Assoc. Prof. Dr. Özlem ÜZAL ***Prof. Dr. Fikret YAŞAR***	Van Yüzüncü Yıl Üniversity, Van, Türkiye	INVESTIGATION OF THE EFFECT OF MAGNESIUM APPLICATIONS ON MICRO ELEMENT INTAKE IN PEPPER PLANT UNDER SALT STRESS
Havva Eylem Polat ***Yalçın Gücer*** ***Elif Ayşe Anlı*** ***Alper Serdar Anlı***	Ankara Üniversity, Ankara, Türkiye	RELATIONS ON AGRICULTURE, ENVIRONMENT AND FOOD SAFETY THROUGH CLIMATE CHANGE PERSPECTIVE

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TÜRKİYE' DE KAYIT ALTINA ALINMIŞ CRUCİFERAE FAMİLYASI SEBZE TÜRLERİNİN MEVCUT DURUMU

CURRENT STATUS OF CRUCIFERAE FAMİLY VEGETABLE SPECIES REGISTERED IN TURKEY

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ÖZET

Cruciferae familyası sebzeler, sağlık açısından öneme sahip sebze türlerini içine alan geniş bir familyadır. Sağlık açısından önemli türler olmaları nedeniyle, dünyada ve Türkiye' de bu türlerin yetiştiriciliği giderek atmaktadır. Türkiye' de 2021 yılı verilerine göre Cruciferae familyası grubu sebzelerin üretim miktarı toplam 1 466 714 t' dur. En çok üretimi yapılan türler sırasıyla beyaz lahana (597 910 t), karnabahar (234 717 t), turp (228 766 t), kırmızı lahana (200 472 t) ve brokoli (104 614 t)' dür.

Burada sunulan tebliğ, Türkiye' de 2022 yılına kadar kayıt altına alınmış Cruciferae familyası sebze türlerine (beyaz lahana, karnabahar, turp, kırmızı lahana, brokoli, yaprak lahana, brüksel lahanası, şalgam, roka ve tere) ait çeşitlerin mevcut durumunu ve çeşit tiplerini belirlemek amacıyla hazırlanmıştır. Bu amaçla verilerin toplanmasında Tohumluk Tescil ve Sertifikasyon Merkez Müdürlüğü web sitesinden ve Tohumluk Tescil ve Sertifikasyon Merkez Müdürlüğü tarafından yayınlanan kayıt listelerine ait bültenlerden yararlanılmıştır.

Araştırma sonucunda, bugüne kadar Cruciferae familyası sebze türlerine ait toplam 430 adet kayıt altına alınmış çeşidin olduğu belirlenmiştir. En fazla kayıt altına alınan türler sırasıyla karnabahar (147 çeşit), beyaz lahana (84 çeşit), brokoli (68 çeşit), turp (48 çeşit), kırmızı lahana (43 çeşit), roka (15 çeşit), alabaş (8 çeşit), Brüksel lahanası (6 çeşit), şalgam (4 çeşit), Çin lahanası (3 çeşit) ve tere (2 çeşit) olmuştur. Şalgam, roka ve terede geliştirilen çeşitlerin tamamı açıkta tozlanan çeşitlerden oluşurken, diğer türlerde kayıtlı çeşitlerin büyük çoğunluğunu hibrit çeşitler oluşturmuştur. 2022 yılına kadar, karnabaharda toplam 138, beyaz lahanada 79, brokolide 65, kırmızı lahanada 35, turpta 14, alabaşta 7, Brüksel lahanasında 6, Çin lahanasında 3 adet hibrit çeşidin geliştirildiği saptanmıştır.

Anahtar Kelimeler: *Brassicaceae,* Cruciferae, Çeşit, Kayıt, Sebze

ABSTRACT

Cruciferae family vegetables are a family that includes many species of vegetables that are important for health. Since they are important species in terms of health, the production of these species is increasing in the world and in Turkey. According to the data of 2021 in Turkey, the production amount of Cruciferae family group vegetables is 1 466 714 t in total. The most produced species are white cabbage (597 910 t), cauliflower (234 717 t), radish (228 766 t), red cabbage (200 472 t) and broccoli (104 614 t), respectively.

The paper presented here is to determine the current status and cultivar types of Cruciferae family vegetable species (white cabbage, cauliflower, radish, red cabbage, broccoli, leaf cabbage, Brussels sprouts, turnip, rocket, and cress) registered in Turkey until 2022. For this purpose, the website of the Central Directorate of Seed Registration and Certification and the bulletins of the registration lists published by the Central Directorate of Seed Registration and Certification were used to collect data.

As a result of the research, it was determined that there are a total of 430 recorded cultivars belonging to Cruciferae family vegetable species so far. The most recorded species were cauliflower (147

cultivars), white cabbage (84 cultivars), broccoli (68 cultivars), radish (48 cultivars), red cabbage (43 cultivars), rocket (15 cultivars), kohlrabi (8 cultivars). , Brussels sprouts (6 cultivars), turnip (4 cultivars), Chinese cabbage (3 cultivars), and cress (2 cultivars), respectively. All of the cultivars developed in turnip, rocket and cress consisted of open pollinated cultivars, while hybrid cultivars constituted the majority of the cultivars registered in other species. Until 2022, it has been determined that a total of 138 hybrid varieties have been developed in cauliflower, 79 in white cabbage, 65 in broccoli, 35 in red cabbage, 14 in radish, 7 in kohlrabi, 6 in Brussels sprouts, and 3 hybrid varieties in Chinese cabbage.

Keywords: *Brassicaceae*, Cruciferae, Cultivar, Registration, Vegetable

1. GİRİŞ

Cruciferae familyası grubu sebzeler, sağlık açısından öneme sahip sebze türleridir. Brokoli, baş lahana, karnabahar, Brüksel lahanası, su teresi gibi Cruciferae familyası sebze türleri, fitokimyasallardan; fenolik bileşikler, vitaminler, mineraller ve sülfür içeren glikozitler yönünden zengin olmaları nedeniyle sağlık değeri yüksek türlerdir. Bu sebzelerin düzenli olarak tüketilmesinin kanser riskini azalttığı bildirilmektedir (Moore ve ark., 2007; Traka ve ark., 2008; Sarıkamış, 2009). Sağlık değerlerinin ön plana çıkması nedeniyle, özellikle son yıllarda bu sebze türlerine yönelik tüketici talepleri de artış gösterme eğilimindedir.

Tablo 1. Türkiye' de yıllara göre Cruciferae familyası sebze türlerinin üretim miktarı (ton) (URL1)

Tür	2017	2018	2019	2020	2021	Değ.(%)
Beyaz lahana	520 796	516 951	567 622	594 143	597 910	14.8
Yaprak lahana	66 605	57 034	56 726	56 100	59 043	-11.4
Kırmızı lahana	188 316	187 948	192 219	198 516	200 472	6.5
Brüksel lah.	3 170	3 343	3 100	2 889	2 698	-14.9
Karnabahar	199 710	225 151	234 356	216 334	234 717	17.5
Brokoli	66 105	69 592	80 920	95 057	104 614	58.2
Turp	198 701	196 984	218 816	223 394	228 766	15.1
Şalgam	1 768	1 530	2 388	2 599	2 359	33.4
Roka	9 334	12 930	13 654	15 045	27 350	193
Tere	5 993	6 517	6 629	8 352	8 785	46.6
TOPLAM	**1 260 498**	**1 277 980**	**1 376 430**	**1 412 429**	**1 466 714**	**16.4**

Ülkemizde 2021 yılı verilerine göre Cruciferae grubu sebzelerin toplam üretim değeri 1 466 714 t olup, en fazla üretimi yapılan tür 597 910 t değeriyle beyaz lahanaya aittir. Bunu sırasıyla, karnabahar (234 717 t), turp (228 766 t), kırmızı lahana (200 472 t) ve brokoli (104 614 t) izlemektedir (URL 1). Türkiye' de 2017-2021 yılları arasında yaprak lahana (-11.4) ve Brüksel lahanasının (-14.9) üretim değerlerinde yıllar bazında düşüşler yaşanırken, en çok üretimi artan türler ise roka ve brokoli olmuştur (Tablo 1). Burada sunulan tebliğ, Türkiye' de 2022 yılına kadar kayıt altına alınmış Cruciferae familyası sebze türlerine ait çeşitlerin mevcut durumunu belirlemek amacıyla hazırlanmıştır. Bu amaçla verilerin toplanmasında Tohumluk Tescil ve Sertifikasyon Merkez Müdürlüğü web sitesinden ve Tohumluk Tescil ve Sertifikasyon Merkez Müdürlüğü tarafından yayınlanan kayıt listelerine ait bültenlerden yararlanılmıştır.

2. CRUCİFERAE FAMİLYASI SEBZE TÜRLERİNE AİT KAYITLI ÇEŞİTLER

Kayıt altına alma; yurt içinde veya yurt dışında ıslah edilen veya bulunan ve geliştirilen bitki çeşitlerinin farklı, yeknesak ve durulmuş olduğunun ve/veya biyolojik ve teknolojik özellikleri ile hastalık ve zararlılara dayanıklılığının ve tarımsal değerlerinin tespit edilerek kütüğe kaydedilmesini ifade etmektir. Ülkemizde yeni çeşitlerin geliştirilmesinde özel teşebbüs hakim durumdadır. Araştırma Enstitüleri, Ziraat Fakülteleri ve Kamu Kuruluşlarının çeşit geliştirmede katkısı çok düşük düzeydedir.

2.1. SADECE STANDART TOHUMLUK ÜRETİMİ YAPILAN ÇEŞİTLER

Sebze türlerinde, kayıt altına alınan çeşitlere ait, sadece laboratuvar kontrolleriyle ticarete arz edilen ve çeşide ait kimliğini ve saflığını doğrulamak için kontrol denemelerine tabi tutulan tohum veya çoğaltım materyaline standart tohumluk denilmektedir. Bugüne kadar Cruciferae familyası sebze türlerine ait toplam 106 adet çeşidin standart tohumluk kaydı yapılmıştır. En fazla standart tohumluk kaydı yapılan tür karnabahar (38 çeşit) olmuştur. Bunu sırasıyla beyaz lahana (17 çeşit), brokoli (15 çeşit) ve turp 15 çeşit) takip etmiştir (Tablo 2).

2.2. SERTİFİKALI TOHUMLUK ÜRETİMİ YAPILAN ÇEŞİTLER

Orijinal tohumluk veya kendisinden elde edilen, çeşit safiyetini ve sağlığını devam ettiren tohumluğa sertifikalı tohumluk denilmektedir. Cruciferae familyası sebze türlerinde toplam 295 çeşidin sertifikalı tohumluk kaydı yapılmıştır. En fazla sertifikalı tohumluk kaydı yapılan türler sırasıyla karnabahar (98 çeşit), beyaz lahana (56 çeşit), brokoli (50 çeşit), kırmızı lahana (33 çeşit) ve turp (31 çeşit) olmuştur (Tablo 3).

Tablo 2. Sadece standart tohumluk üretimi yapılan Cruciferae familyası sebze türlerine ait çeşit sayıları (URL2)

Tür Adı	Çeşide ait bilgi	Adet	Toplam
Beyaz lahana	Hibrit	16	**17**
	Belirtilmemiş	1	
Yaprak lahana	Belirtilmemiş	2	**2**
Brokoli	Hibrit	15	**15**
Brüksel lahanası	Hibrit	2	**2**
Çin lahanası	Hibrit	1	**1**
Kırmızı lahana	Belirtilmemiş	2	**9**
	Hibrit	7	
Karnabahar	Belirtilmemiş	3	**38**
	Hibrit	34	
	Hibrit (mor)	1	
Alabaş	Belirtilmemiş	1	**1**
Turp	AT	13	**15**
	Hibrit	2	
Şalgam	AT	2	**2**
Roka	AT	2	**2**
Tere	AT	2	**2**
TOPLAM			**106**

Tablo 3. Sertifikalı tohumluk üretimi yapılan Cruciferae familyası sebze türlerine ait çeşit sayıları (URL2)

Tür Adı	Çeşide ait bilgi	Adet	Toplam
Beyaz lahana	Belirtilmemiş	3	**56**
	AT	1	
	Hibrit	52	
Brokoli	Belirtilmemiş	2	**50**
	Hibrit	48	
Brüksel lahanası	Hibrit	4	**4**
Çin lahanası	Hibrit	2	**2**
Kırmızı lahana	Belirtilmemiş	2	**33**
	AT	4	
	Hibrit	27	
Karnabahar	Belirtilmemiş	3	**98**
	AT	1	
	Hibrit	94	

Alabaş	Belirtilmemiş	1	**7**
	Hibrit	6	
Turp	AT	6	**31**
	Hibrit	7	
	Fındık (hibrit)	4	
	Japon (hibrit)	1	
	Kırmızı (AT)	5	
	Siyah(AT)	3	
	Beyaz (AT)	5	
Şalgam	AT	2	**2**
Roka	AT	12	**12**
TOPLAM			**295**

AT: açıkta tozlanan

2.3. ÜRETİM İZİNLİ ÇEŞİTLER

Cruciferae familyasına ait türlerde üretim izinli çeşit sayıları Tablo 4' de sunulmuştur. Tablo 4' den üretim izinli toplam çeşit sayısının 28 adet olduğu, en fazla üretim izinli çeşit sayısına sahip türlerin beyaz lahana (11 çeşit) ve karnabahar (11 çeşit) olduğu dikkat çekmektedir.

Tablo 4. Üretim izni verilen Cruciferae familyası sebze türlerine ait çeşit sayıları (URL2)

Tür Adı	**Çeşide ait bilgi**	**Adet**	**Toplam**
Beyaz lahana	Hibrit	11	**11**
Kırmızı lahana	Hibrit	1	**1**
Brokoli	Belirtilmemiş	1	**3**
	Hibrit	2	
Karnabahar	Belirtilmemiş	2	**11**
	Hibrit	9	
Alabaş	Hibrit	1	**1**
Yabani roka	AT	1	**1**
TOPLAM			**28**

AT: açıkta tozlanan

Üretim izinli çeşitler, yurt içinde veya yurt dışında ıslah edilen veya bulunan ve geliştirilen bitki çeşitlerinin biyolojik ve teknolojik özellikleri ile hastalık ve zararlılara dayanıklılığının ve tarımsal özelliklerinin tespit edilerek, çeşit tescil edilinceye kadar verilen süreli izne sahip çeşitlerdir.

2.4. KAYIT ALTINA ALINAN CRUCİFERAE FAMİLYASI SEBZE TÜRLERİNDE TOPLAM TİP VE ÇEŞİT SAYILARI

2022 yılına kadar kayıt altına alınmış toplam tip ve çeşit sayıları (sadece standart tohumluk üretimi yapılanlar, sertifikalı tohumluk üretimi yapılanlar ve üretim izinli çeşitler) Tablo 5' de özetlenmiştir.

Tablo 5. Kayıt altına alınan Cruciferae familyası sebze türlerinin tipleri ve çeşit sayıları (URL2)

Tür Adı	**Çeşide ait bilgi**	**Adet**	**Toplam**
Beyaz lahana	Belirtilmemiş	4	**84**
	AT	1	
	Hibrit	79	
Yaprak lahana	Belirtilmemiş	2	**2**
Brokoli	Belirtilmemiş	3	**68**
	Hibrit	65	
Brüksel lahanası	Hibrit	6	**6**
Çin lahanası	Hibrit	3	**3**
Kırmızı lahana	Belirtilmemiş	4	

	AT	4	**43**
	Hibrit	35	
Karnabahar	Belirtilmemiş	8	**147**
	AT	1	
	Hibrit	137	
	Hibrit (mor)	1	
Alabaş	Belirtilmemiş	1	**8**
	Hibrit	7	
Şalgam	AT	4	**4**
Turp	AT	19	**48**
	Hibrit	9	
	Fındık (hibrit)	4	
	Japon (hibrit)	1	
	Kırmızı	2	
	Kırmızı (AT)	5	
	Siyah(AT)	3	
	Beyaz (AT)	5	
Roka	AT	14	**15**
	Yabani roka	1	
Tere	AT	2	**2**
TOPLAM			**430**

AT: açık tozlanan

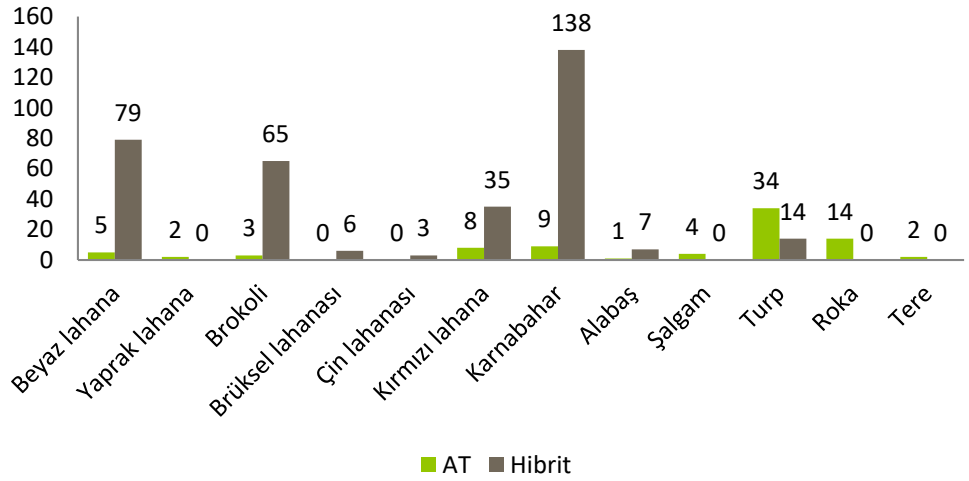
Bugüne kadar Cruciferae familyası grubu sebzelerde toplam kayıtlı çeşidin 430 adet olduğu belirlenmiştir. En fazla kayıt altına alınan türler sırasıyla karnabahar (147 çeşit), beyaz lahana (84 çeşit), brokoli (68 çeşit), turp (48 çeşit) ve kırmızı lahana (43 çeşit) olmuştur (Tablo 5). Hibrit çeşitler, birim alandan yüksek verim ve gelir getirmeleri, meyvelerinin kaliteli olması, hastalık ve zararlılara dayanıklıklarının yüksek olması, adaptasyon yeteneklerinin iyi olması nedenleriyle bitkisel üretimde kullanımları her geçen gün hızla artmaktadır. 2022 yılına kadar, Cruciferae familyası sebze türlerinde toplam 347 hibrit çeşit kayıt altına alınmıştır. En fazla hibrit çeşit sayısı karnabaharda (138 çeşit) kaydedilmiştir. Bunu sırasıyla, beyaz lahana (79 çeşit) brokolide (65 çeşit), kırmızı lahana (35 çeşit), turp (14 çeşit), alabaş (7 çeşit), Brüksel lahanası (6 çeşit) ve Çin lahanası (3 çeşit) izlemiştir (Şekil 1). Acurda ise kayıtlı çeşitlerin tamamının (10 çeşit) açıkta tozlanan çeşitlerden oluştuğu saptanmıştır (Şekil 1). Şalgam, roka ve terede ise kayıtlı çeşitlerin tamamını açıkta tozlanan çeşitler oluşturmuştur.

Cruciferae familyası sebze türlerinde bugüne kadar kayıt altına alınmış türlerin dağılımı Şekil 1' de gösterilmiştir. Kayıt altına alınmış en fazla hibrit çeşit sayısı karnabaharda (138 adet) olurken, bunu sırasıyla beyaz lahana (79 adet), brokoli (65 adet) ve kırmızı lahana (35 adet) izlemiştir. Roka, tere ve şalgamda kayıt altına alınan çeşitlerin tamamı ise açıkta tozlanan çeşitlerden oluşmuştur (Şekil 1). Tablo 6' da ise bu türlerin ilk kayıtlanma yılları ve çeşit adları sunulmuştur.

Tablo 6. Cruciferae familyası sebze türlerinde ilk kayıt yılları ve çeşide ait bilgiler (URL2)

Tür	**Çeşit Adı**	**Başvuru Yapan Kuruluş**	**İlk Kayıt Altına Alındığı Yıl**
Beyaz lahana	Conquıstador (Hibrit)	Sakata Tarım Ürünleri ve Tohumculuk San. ve Tic. Ltd. Şti.	11.2.1994
Yaprak lahana	Temel	Bursa Tohumculuk Ziraat ve Ticaret A.Ş.	15.1.2003
Brokoli	Marathon (Hibrit) Monaco (Hibrit) Monopoly (Hibrit)	Sakata Tarım Ürünleri ve Tohumculuk San. ve Tic. Ltd. Şti. Syngenta Tarım Sanayi ve Ticaret A.Ş.	12.4.2000

Brüksel lahanası	Maximus (Hibrit)	Syngenta Tarım Sanayi ve Ticaret A.Ş.	13.1.1999
Çin lahanası	Bilko (Hibrit)	Metgen Tohumculuk San. ve Tic. Ltd. Şti.	8.3.2006
Kırmızı lahana	Mohrenkopf	Atatürk Bahçe Kültürleri Mrk.Arşt.Ens.Müd.	26.4.1984
Karnabahar	Cashmere (Hibrit)	Sakata Tarım Ürünleri ve Tohumculuk San. ve Tic. Ltd. Şti.	11.2.1994
Alabaş	Lippe RZ	Rıjk Zwaan Tarım Ticaret Ltd. Şti.	16.5.2001
Şalgam	Burşal	Bursa Tohumculuk Ziraat ve Ticaret A.Ş.	15.1.2003
Turp	8 Tr-17	Geçit Kuşağı Tarımsal Araştırma Enstitüsü Müdürlüğü	22.4.1983
Roka	İstanbul Rokası	İstanbul Tohumculuk Tar. San. ve Tic. Ltd. Şti.	12.8.2003
Tere	Bahar	İstanbul Tohumculuk Tar. San. ve Tic. Ltd. Şti.	12.8.2003



Şekil 1. Kayıt altına alınan türlerin dağılımı

3. SONUÇ

Cruciferae familyası sebze türleri 2 yıllık türler olmaları nedeniyle, bu türlerde ıslah çalışmaları sonucu yeni çeşit geliştirmek tek yıllık sebze türlerine göre daha uzun zaman almaktadır. Ancak bu türlerin sağlık değerlerinin yüksek olması ve tüketici tercihlerindeki hızlı değişim, ıslahçıları bu türlerde de yeni çeşit geliştirmeye yönlendirmeyi kaçınılmaz kılmıştır. Geliştirilen ve kayıt altına altına alınan çeşit sayısı her geçen yıl hızlı bir artış göstermektedir. Yapılan araştırma sonucunda, 2022 yılına kadar, Cruciferae familyası sebzelerinde şalgam, roka, turp türlerine ait kayıtlı çeşitlerin tamamının açıkta tozlanan çeşitlerden, diğer türlerin ise büyük çoğunluğunun hibrit çeşitlerden oluştuğu belirlenmiştir. Cruciferae familyası sebzelerinde, en fazla kayıtlı çeşitlerin bulunduğu türlerin sırasıyla karnabahar (147 çeşit), beyaz lahana (84 çeşit), brokoli (68 çeşit), turp (48 çeşit), kırmızı lahana (43 çeşit), roka (15 çeşit), alabaş (8 çeşit), Brüksel lahanası (6 çeşit), şalgam (4 çeşit), Çin lahanası (3 çeşit) ve tere (2 çeşit) olduğu saptanmıştır.

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IV - INTERNATIONAL CONFERENCE OF FOOD, AGRICULTURE, AND VETERINARY SCIENCES

May 27-28, 2022

Van Yüzüncü Yıl University, Van, Turkey

Acceptance Letter

Dear Burcu TUNCER,

*On behalf of the organizing committee, we are delighted to inform you that your **abstract** entitled (see below) has been accepted for oral presentation in the IV-International Conference of Food, Agriculture, and Veterinary Sciences, which will be held in on May 27-28, in Van Yüzüncü Yıl University, Van, Turkey.*

Abstract title	**ID-GTVBK-4/022**
	CURRENT STATUS OF CRUCIFERAE FAMILY VEGETABLE SPECIES REGISTERED IN TURKEY

It is a condition of abstract acceptance that you or a nominated presenting co-author registers for the conference by the author registration deadline 9-13 May 2022. We would like to emphasize that the Conference book will be published on 30th of June 2022 by IKSAD Publications.

We are looking forward to hearing from you.

With kind regards,

Prof. Dr. Murat TUNCTÜRK
Head Of Conference

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with the paper entitled

CURRENT STATUS OF CRUCIFERAE FAMILY VEGETABLE SPECIES REGISTERED IN TURKEY

Prof. Dr. Murat TUNÇTÜRK
Van Yüzüncü Yıl University
Dean of Faculty of Agriculture

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