


**III. INTERNATIONAL TURKIC WORLD CONGRESS ON SCIENCE AND ENGINEERING (TURK-COSE 2021) PROGRAMME**  
**June 14-15, 2021-Niğde Ömer Halisdemir University, Niğde Turkey**

**14th June 2021**

(Microsoft Teams) link:

<https://teams.microsoft.com/l/meetup-join/19%3aB8bjs4xGdnAeMILVokr8drQvHBbpJ1OgoVZZ4i78xg1%40thread.tacv2/1623356244949?context=%7b%22Tid%22%3a%22da8fc107-2de1-436a-a756-dd42714c58a9%22%2c%22Oid%22%3a%2254f76543-e587-44d0-bda6-fb3638825875%22%7d>  
 [www.youtube.com/nohuniversitesi](http://www.youtube.com/nohuniversitesi)

<b>10:00-11:00</b> TR Time	<p><b>Plenary Session</b></p> <p>Welcome Speeches:</p> <p>Prof. Dr. Murat Barut (Co-Chair, NOHU)          Prof. Dr. Alpaslan Ceylan - Prof. Dr. Asilbek KULMIRZAYEV- Rectors of KTMU          Prof. Dr. Yerlan Sydykov - Rector of ENU          Prof. Dr. Muhsin Kar - Rector of NOHU          H.E. Abzal Saparbekuly, Embassador of Kazakhstan in Ankara (Turkey)"</p>
<b>11:00-14:30</b> TR Time	<p><b>11:00-11:30 Sachiyo Aburatani</b></p> <p><b>"Inference of Biological Network by Structural Equation Modelling"</b>          Computation Biosystem Big Data Analysis          Open Innovation Laboratory (CBBB-OIL),          and Chief Senior Research Scientist at          Bioproduction Research Institute          of National Institute of Advanced Industrial          Science and Technology, Japan  <b>The person who will introduce the invited speaker: Zeliha Selamoğlu (NOHU)</b></p> <p><b>11:30-12:00 Askar Zhussupbekov</b></p> <p><b>"Geotechnical Challenges of Mega Projects on Problematic Soils Of Kazakhstan"</b>          Department of Buildings and Structures Design, L.N. Gumilyov Eurasian National University, Kazakhstan  <b>The person who will introduce the invited speaker: Merzadinova Gulnara (ENU)</b></p> <p><b>12:00-12:30 Rustem T. Omarov</b></p> <p><b>"Molecular mechanisms of plant anti-viral RNA interference"</b>          Department of Biotechnology and Microbiology, L.N. Gumilyov Eurasian National University, Kazakhstan  <b>The person who will introduce the invited speaker: Merzadinova Gulnara (ENU)</b></p> <p><b>12:30-13:00 Nils Rostoks</b></p> <p><b>"Development of regulatory framework for genome-edited organisms in the European Union"</b>          Faculty of Biology, University of Latvia, Riga, Latvia  <b>The person who will introduce the invited speaker: Allahbakhsh JOIYA (NOHU)</b></p> <p><b>13:00-13:30 Mostafa Rahimnejad</b></p> <p><b>"New Configuration of Microbial Fuel cell for waste water treatment and green electricity generation"</b>          Biofuel &amp; Renewable Energy Research Center, Department of Chemical Engineering, Babol Noshirvani          University of Technology, Babol, Iran  <b>The person who will introduce the invited speaker: Nahit Aktaş (KTMU)</b></p> <p><b>13:30-14:00 Nady Braidy</b></p> <p><b>"NAD+: Promoting healthy ageing"</b> head of the of the Brain Ageing Research Laboratory within the Centre          for Healthy Brain Ageing at UNSW Sydney, Australia</p> <p><b>14:00-14:30 Muhammad Ali</b></p> <p><b>"Genetic Dissection of Hereditary Hearing Loss and Ocular Diseases in Consanguineous Pakistani Families"</b>          Quaid-i-Azam University (QAU), Pakistan  <b>The person who will introduce the invited speaker: Zeliha Selamoğlu (NOHU)</b></p> <p><b>14:30-15:00 Farooq Anwar</b></p> <p><b>"Effectiveness of Green Extractiosn for Recovery of Plant-based Functional Components"</b> Institute of          Chemistry, University of Sargodha, Sargodha, Pakistan</p> <p><b>15:00-15:30 Rafael Aguilar</b></p>

**"Seismic Evaluation and Structural Health Monitoring of Heritage Buildings: A review of case studies in Peru"**

Engineering Department, Pontificia Universidad Católica del Perú - PUCP, Peru

The person who will introduce the invited speaker: Neslihan Doğan Sağlamtimur (NOHU)

## 15th June 2021

SECTION 1: 10:00-12:00 (TR TIME)

SECTION 1.1- AGRICULTURAL SCIENCES AND TECHNOLOGIES

NOHU-Chair: Halil Toktay

Technical Staf: Ibrahim Köken, ibrahimkoken1@gmail.com

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TR Time

1. 10:00-10:15 21, POMEGRANATE (*Punica granatum* L.) BREEDING; FLOWER SELECTION FOR HYBRIDIZATION SUCCESS, Sufian Ikram, Mubasshir Hussain
2. 10:15-10:30 45, Drought and salt stress effects on biochemical changes and gene expression of photosystem II and catalase genes in selected onion cultivars, Usman Khalid Chaudhry
3. 10:30-10:45 54, MAGNETIC FIELD EFFECT ON DROUGHT TOLERANCE IN SUGAR BEET (*BETA VULGARIS* L.), İrem POYRAZ , Mustafa YILDIZ, Allahbakhsh JOIYA
4. 10:45-11:00 156, METHOD FOR ONE-STEP SYNTHESIS OF BIODEGRADABLE HYTOZAN HYDROGEL WITH INTEGRATED MINERAL FERTILIZERS, Yerlan Zhatkanbayev
5. 11:00-11:15 200, Application of Lactic acid Bacteria to reduce Methane Production in ruminants, Muhammad Umair Asghar
6. 11:15-11:30 208, Rehabilitation of degraded shooting range soil with iron hydroxyl phosphate, lignin and *Vachellia nilotica* L. biochar: Assessment through heavy metals distribution in barley and soil enzymatic activities, Muhammad Iqbal, Fatima Maryam
7. 11:30-11:45 278, In vitro germination and callus formation of soybean cultivars, Caner Yavuz
8. 11:45-12:00 348, THE CYTOGENETIC MONITORING OF NATURAL POPULATIONS OF SEMENOV'S FIR TREE (*ABIES SEMENOVII*), Alina Seidakhmatova, Urmat Kadyrbaev

SECTION 1.2- ARCHITECTURE-CIVIL ENGINEERING

NOHU-Chair: Hakan Karaca

ENU-Chair: Zharkenov Erkebulan

Technical Staf: Yunus Emre Kebeli, yunusemrekebeli@ohu.edu.tr

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TR Time

1. 10:00-10:15 226, Көбікті шыны алу технологиясын оптимизациялау әдістерін тәжірбиелік зерттеулерді салыстыру, Ляззат Аруова, Әсемгүл Құдайбергенова
2. 10:15-10:30 307, Factors affecting the properties of hemp concretes produced using industrial hemp stems cultivated in Turkey, Murat Şahin
3. 10:30-10:45 5, ASİDİK POMZA İLE ÜRETİLEN ALKALİ İLE AKTİVE EDİLMİŞ HAFİF HARÇLARIN FİZİKSEL VE MEKANİK ÖZELLİKLERİ, Mustafa Sarıdemir, Serhat Çelikten, Günay Ayaydın
4. 10:45-11:00 27, TEKERLEK BASINCINA MARUZ HOMOJEN ZEMİNLERDE GERİLME VE DEPLASMAN DAĞILIMLARININ SINIR ELEMAN YÖNTEMİ İLE BELİRLENMESİ, Metin Hakan Severcan, İbrahim Özgür Deneme
5. 11:00-11:15 30, Investigation Of Compressive Strength Of Concrete Added Accelerator, Mehmet Uzun, Mustafa Tolga Çoğürücü, Mehmet Akif Arslan
6. 11:15-11:30 38, TMD and PID control of a multi-degree of freedom structure against Kocaeli earthquake, Ali KONTUŞ, Boğaç BİLGİÇ

SECTION 1

# SECTION 1

7. 11:30-11:45 157, The Influence of Magnitude Recurrence Models of Fault Sources over the Seismic Hazard, Case for Marmara Region, Hakan Karaca  
204, Farklı Oranlarda Diatomit İkamesinin 75 °C'de Isıl Kür Uygulanan F Sınıfı Uçucu Kül Tabanlı Geopolimer
8. 11:45-12:00 Harçlara Etkilerinin İncelenmesi, Ezgi Örkemez, Serhan İlkentapar, Uğur Durak, Okan Karahan, Cengiz Duran Atış

## SECTION 1.3- BIOLOGY AND BIOTECHNOLOGY

NOHU-Chair: Osman Seyyar

ENU-Chair: Omarov Rustem

KTMU-Chair: Kadyr Chekirov

Technical Staf: Cihan Düşgün, cihandusgun@gmail.com

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- TR Time
1. 10:00-10:15 34, EFFECTIVE CONCENTRATIONS OF CORAGEN® ON LARVAL STAGE OF Archips rosana (LINNAEUS, 1758) (LEPIDOPTERA: TORTRICIDAE), Rabia EFE, Mitat AYDOĞDU
2. 10:15-10:30 46, Taxonomic studies of insect pests associated with cotton crop from Punjab, Pakistan, Kiaenat Nazir, Muhammad Tayyib
3. 10:30-10:45 69, A Neuroprotective Effect of the Complex Extract of Medicinal Mushroom and Herbal Medicin Curcumin against the Development of Alzheimer's Disease, Nouredine Djebli
4. 10:45-11:00 71, Bioinformatics Applications in Plant Genome and Proteome Analysis, Mahmood-ur-Rahman, Parwsha Zaib
5. 11:00-11:15 105, Receptor like-kinases in Plant Defence, Elif Karlık
6. 11:15-11:30 140, Effects of exercise test on oxidative stress and inflammatory biomarkers in patients with metabolic syndrome, Magdalena Quetglas-Llabrés, Margalida Monserrat-Mesquida, Xavier Capó, Josep A. Tur, Antoni Pons, Antoni Sureda
7. 11:30-11:45 143, Developing mutants of negative regulator of immune response gene in tomato using CRISPR-Cas9, FAISAL SAEED, Allah Bakhsh
8. 11:45-12:00 174, Antimicrobial and antioxidant potential of methanolic extracts of some seaweeds from Iskenderun Bay, Turkey, Betül Aydın

## SECTION 1.4- CHEMISTRY

NOHU-Chair: Yavuz Sürme

ENU-Chair:Kopishev Eldar

KTMU-Chair: Mehmet Odabaşı

Technical Staf:Gizem Kahve Yildirim, gizem.kahveyildirim@mail.ohu.edu.tr

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- TR Time
1. 10:00-10:15 79, Chemical composition and anti-inflammatory activity of aqueous extract of Algerian Ficus carica .L fruit, LEILA KEBAL, Nouredine Djebli
2. 10:15-10:30 341, Preparation and Characterization of N,N-Dimethylacrylamide, and Starch-Based Hydrogels, and Evaluation of Sorption Studies, Duygu Alpaslan, Tuba Ersen Dudu, Nahit Aktas
3. 10:30-10:45 342, Swelling and Urea Sorption Behavior of Cross-Linked p(N,N-Dimethylacrylamide-co-Starch)/NaOH-Based Hydrogels, Tuba ERSEN DUDU, Duygu ALPASLAN, Nahit Aktas
4. 10:45-11:00 343, Synthesize and Modification of poly(Dimethylacrylamide)/HCl for Controlled Release of Urea, Tuba Ersen, Duygu Alpaslan, Nahit Aktas
5. 11:00-11:15 344, Application of poly(Dimethylacrylamide-co-Maleic Acid)/HCl hydrogel in controlled urea release, Abdullah Turan, Tuba Ersen Dudu, Duygu Alpaslan, Nahit Aktas
6. 11:15-11:30 124, DEVELOPMENT OF MOLECULAR IMPRINTED CRYOGEL MEMBRANES FOR PURIFICATION OF NARINGENİN, Emel DEMİRTAŞ, Mehmet ODABAŞI
7. 11:30-11:45 163, Synthesis of cerium-doped iron oxide nanoparticles and investigation of photocatalytic activity, Ali Kemal SOGUKSU, Suleyman KERLI, Mustafa KAVGACI
8. 11:45-12:00 260, STUDY OF GAS MIXED ADSORPTION PROCESS BASED ON SYSTEM ANALYSIS, Fakhraddin Yusubov, Gulahmed Talybov

## SECTION 1.5- CONTROL, COMPUTER, ELECTRICAL, ELECTRONICS, AND MECHATRONICS ENGINEERING

NOHU-Chair: Ahmet Şakir Dokuz

ENU-Chair: Zhumadillayeva Ainur

KTMU-Chair: Rita Ismailova

Technical Staf: Riza Erhan Akdoğan, ariza@ohu.edu.tr

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- | TR Time        |  |
|----------------|--|
| 1. 10:00-10:15 | 89, A sponge-based cryptographic hash function with set of internal functions, Ruslan Ospanov, Yerzhan Seitkulov, Ainur Zhetpisbayeva            |
| 2. 10:15-10:30 | 161, About choosing the optimal S-boxes, Banu Yergaliyeva, Ruslan Ospanov, Kuandyk Niazaliyev, Nurlan Tashatov, Dina Satybalina                  |
| 3. 10:30-10:45 | 242, Обучение казахскому языку при помощи платформы «Revita» — из опыта работы, Roman Yangarber, Annel Baktybaeva                                |
| 4. 10:45-11:00 | 309, Testing of methods with synthetic data: Logistic Regression and Likert scale example, Zeynep Ünal, Emre İpekçi Çetin                        |
| 5. 11:00-11:15 | 320, Борбордук Азиядагы университеттерде Moodle платформасынын колдонулушу, Aizharkyn Sait Kyzy, Rita Ismailova                                  |
| 6. 11:15-11:30 | 87, Secure outsourcing a linear programming task with secret parameters, Yerzhan Seitkulov, Seilkhan Boranbayev, Banu Yergaliyeva                |
| 7. 11:30-11:45 | 88, Secure outsourcing of finding the extremum of a function with secret parameters, Yerzhan Seitkulov, Seilkhan Boranbayev, Ainur Zhetpisbayeva |
| 8. 11:45-12:00 | 235, Yapay Zeka Yöntemleriyle Üstyapı Performans Tahmini, MERVE SİPER, ABDULLAH ERDAL TÜMER  |

## SECTION 1.6- ENVIRONMENTAL ENGINEERING

NOHU-Chair: Fehiman Çiner

ENU-Chair: Beisenova Raikhan

KTMU-Chair: Mehmet Kobya

Technical Staf: Kübra Nur Gül, kubragul@ohu.edu.tr

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- | TR Time        |   |
|----------------|---|
| 1. 10:00-10:15 | 49, The avifauna of salt lakes with populations of the crustacean Artemia Leach, 1819 in Northern Kazakhstan, Alexandr Ubaskin, Kairat Akhmetov, Talgat Abylkhassanov, Alexandr Minakov, Alexandr Lunkov                    |
| 2. 10:15-10:30 | 52, Dose assessment of radiation exposure by scenarios in the settlements of Stepnogorsk area, Danara Ibrayeva, Moldir Aumalikova, Meirat Bakhtin, Polat Kazymbet, Kassym Zhumadilov  |
| 3. 10:30-10:45 | 76, Airborne Particulate Matter: How Techniques for Physicochemical Analysis Can Help us Predict Adverse Human Health Impacts of Air Pollution, Akmaral Agibayeva, Aiganym Kumisbek, Ferhat Karaca, Egemen Avcu, Mert Guney |
| 4. 10:45-11:00 | 77, Potentially Toxic Elements in Airborne Particulate Matter: How Assessing Their Solubility May Improve the Characterization of Adverse Human Health Impacts, Akmaral Agibayeva, Ferhat Karaca, Egemen Avcu, Mert Guney   |
| 5. 11:00-11:15 | 142, OVERVIEW OF RADIATION SITUATION ON STEPNOGORSK MINING AND CHEMICAL COMBINE, Moldir Aumalikova, Danara Ibrayeva, Meirat Bakhtin, Kassym Zhumadilov  |
| 6. 11:15-11:30 | 310, Research of technical characteristics of AMP brand sorbent, Tleu Berdykhalyk, Bakhtiyar Iskakov, Turlan Sadykov, Alibi Baltabaev   |
| 7. 11:30-11:45 | 335, Recovering of Indigo Dye from Denim Wastewater, Yavuz Arikan, Nuran Celikci, Gokhan Gonul, Cengiz Ayhan Ziba, Mustafa Dolaz  |
| 8. 11:45-12:00 | 337, Enhance and Increase the Local Population Access for Renewable Energy of Biogas in Syria, Zakarya Ali Al-Motair, Tefide Kizildeniz   |

## SECTION 1. 7- FOOD ENGINEERING

NOHU-Chair: Metin Yıldırım

KTMU-Chair: Aycörük Macitova

Technical Staf: Mehmet Yetişen, mehmetyetisen@ohu.edu.tr

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TR Time

- 43, ANTIOXIDANT ACTIVITY, PHYTIC ACID AND MINERAL CONTENT OF PASTA MADE FROM LUPIN FLOUR AND RESISTANT STARCH SUPPLEMENTED WITH VITAL GLUTEN AND/OR TRANSGLUTAMINASE, Elif Yaver, Nermin Bilgiçi
1. 10:00-10:15 44, UTILIZATION OF EDIBLE INSECTS AS PROTEIN SOURCE IN CEREAL-BASED FOODS, Elif Yaver
2. 10:15-10:30 75, Antidiabetic Effect of Sidr Honey (Algeria) on the Diabetic Rats Induced by Streptozotocine, Rabia El adaouia Taleb, Nouredine Djebli
3. 10:30-10:45 80, In vivo Evaluation of Antidiabetic activity of Algerian Date Extract (Phoenix dactylifera L.), Hadjer Chenini, Nouredine Djebli
4. 10:45-11:00 169, Descriptive Sensory Evaluation of Chewing Gums: A Comparative Survey on Chewing Gums with Natural and Biodegradable Gum Bases., Mona Kaveh, Samira Yeganehzad, Mohammad Ali Hesarinejad
5. 11:00-11:15 292, Effect of mineral salt replacers on the physicochemical, microbial and sensory properties of yogurt drink, ayran, Çağım Akbulut, Ayşe Bozkurt
6. 11:15-11:30 297, Study on Probiotic survival in Cheddar cheese, Usman Mir Khan, Aysha Sameen, Zeliha Selamoglu, Farwa Akhlaq
7. 11:30-11:45 298, A survey on Quality Aspects of Market Available Ice Creams, Usman Mir Khan, Zeliha Selamoglu, Ali Murad Khan, Umar Murad Khan
8. 11:45-12:00

## SECTION 1.8- GEOLOGICAL, GEOMATICS AND MINING ENGINEERING

NOHU-Chair: Kutalmış Gümüş

ENU-Chair: Shahmov Zhanbolat

Technical Staf: Münevver Gizem Gümüş, gizemkisaaga@ohu.edu.tr

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TR Time

- 123, «Алматының сейсмикалық жағдайындағы ісінгіш топырақтардың орнықтылығын зерттеу әдістері», Aidana Sultan, Zhanbolat Shakhmov
1. 10:00-10:15 331, Волластониттин кристаллдарынын морфологиясы, гранулометриялык курамынын анын негизиндеги керамиканы алуудагы синтеринг кинетикасына таасири, Бакыт Боркочев, Калыйпа Салиева
2. 10:15-10:30 25, Calcite (CaCO<sub>3</sub>) Mining in Turkey and Industrial Importance of Nigde Region Calcites, Mahmut Suat Delibalta, Öner Yusuf Toraman
3. 10:30-10:45 66, Mineral Endüstrisinde Kullanılan Titreşimli Değirmenler ve Uygulamaları, Öner Yusuf Toraman, İsmail Erdağ
4. 10:45-11:00 239, ATIK YUMURTA KABUĞUNUN DEĞERLİ VE KULLANILABİLİR ÜRÜNLERE DÖNÜŞTÜRÜLEBİLİRLİĞİ, Diler KATIRCIOĞLU BAYEL
5. 11:00-11:15 115, FLOOD MONITORING AND DETECTION USING NDWI AND NDVI DERIVED FROM PLANETSCOPE DATA, Pınar Karakus, Osman Orhan
6. 11:15-11:30 144, Features Influencing Land Value Forecasting and Differences Between Value Maps According to MRA Method, Şükran YALPIR, Ali Utku AKAR, Süleyman ŞİŞMAN
7. 11:30-11:45 257, COVID-19 SALGIN DÖNEMİNDE İŞLETMELER İÇİN ULAŞIM AĞINDA UYGUN TESİS YER SEÇİMİ ANALİZİ: KARGO ÖRNEĞİ., Arif Çağdaş AYDINOĞLU, İrem ERGÜL, Süleyman ŞİŞMAN, Rabia Bovkır
8. 11:45-12:00 216, DOĞU KARADENİZ HAVZASININ ORTALAMA YAĞIŞ YÜKSEKLİĞİ, Abdul Kadir AKACAK, İsmail Taş
9. 12:00-12:15

## SECTION 1.9-MECHANICAL, METALLURGICAL, AND MATERIALS ENGINEERING

NOHU-Chair: Serkan Toros

ENU-Chair: Zhumagulov Mikhail

Technical Staf: Habip Gökay Korkmaz, hkorkmaz@ohu.edu.tr

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- | TR Time        | Abstract   |
|----------------|--|
| 1. 10:00-10:15 | 296, Spinor Dynamics in Pristine and Mn <sup>2+</sup> Doped CsPbBr <sub>3</sub> NC: Role of Spin-Orbit Coupling in Ground and Excited State Dynamics, Talgat Inerbaev, Aaron Forde, Dmitri Kilin |
| 2. 10:15-10:30 | 225, An evaluation of Fuel Cell Electric Vehicle Application for Electric Grid Support, Mehmet Büyük   |
| 3. 10:30-10:45 | 314, Determining Heat Transfer Coefficients of 0.08 mm, 0.1 mm Diameter Wires in Wind Tunnel, MERT PATKAVAK, ALPER ŞANLI   |
| 4. 10:45-11:00 | 380, Self-scheduling controller via multi-objective optimization for longitudinal motion of aircraft, Aisha Sir Elkhatem, Şeref Naci Engin   |
| 5. 11:00-11:15 | 9, Bir Minibüs Modelinde Aerodinamik Direncin Numerik Olarak İyileştirilmesi, CİHAN BAYINDIRLI, Mehmet Çelik   |
| 6. 11:15-11:30 | 13, Investigation of mechanical and surface properties of AA7075 alloy shot peened with glass beads, Okan Yetik, Yasemin Yıldıran Avcu, Mert Guney, Egemen Avcu                                  |
| 7. 11:30-11:45 | 191, ASSESSMENT OF NATURAL GAS BASED TRIGENERATION SYSTEM FOR AUTOMOTIVE INDUSTRY: ENERGY AND ECONOMIC ANALYSIS, Rümeyşa Yalındağ, Atakan Avcı   |
| 8. 11:45-12:00 | 196, Seramik Yapıştırıcılarda Dolgu Malzemesi Olarak Perlitin Kullanılabilirliğinin Araştırılması, Ardan Toraman, Ahmet Bilgil, Şennur Neşe Sevmeyiz,  |

## SECTION 1.10- PHYSICS-MATHEMATICS

NOHU-Chair: Sefa Ertürk

ENU-Chairs: Inerbaev Talgat, Zhumadilov Kassym

KTMU-Chair: Anarkül Urdaletova

Technical Staf: Birgül Eren, brg.gokuzum@gmail.com

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- | TR Time        | Abstract   |
|----------------|--|
| 1. 10:00-10:15 | 42, АСИМПТОТИЧЕСКОЕ РАЗЛОЖЕНИЕ ВОЗМУЩЕННОГО РЕШЕНИЯ ОБЩЕЙ ТРЕХТОЧЕЧНОЙ КРАЕВОЙ ЗАДАЧИ ДЛЯ ЛИНЕЙНЫХ ДИФФЕРЕНЦИАЛЬНЫХ УРАВНЕНИЙ ВТОРОГО ПОРЯДКА, Feruza Sultanmuratova   |
| 2. 10:15-10:30 | 130, The role of audits in improvement of quality in radiotherapy, Raikhan Bakenova, Kassym Zhumadilov   |
| 3. 10:30-10:45 | 145, Investigation of Neutron Deficient Nuclei Alpha Decay Half-Lives, Fahrettin Koyuncu   |
| 4. 10:45-11:00 | 291, Статья "Роль физического вакуума в инфляционной модели Вселенной", Галина Шаханова  |
| 5. 11:00-11:15 | 311, Study of cosmic rays using the Hadron 55 facility, T.Kh. Sadykov, B.A. Iskakov, T. Berdykhalyk, A.Kh. Argynova, D. Besnosko, V.A. Ryabov, Y.M. Tautayev, V.V. Zhukov,   |
| 6. 11:15-11:30 | 312, Geoacoustic emission during the passage through the earth's crust of high-energy cosmic ray muons, B.A. Iskakov, T. Berdykhalyk, T.Kh. Sadykov, D. Besnosko, N.M. Salikhov, A.L. Shepetov, T.Y. Tautayev, V.V. Zhukov |
| 7. 11:30-11:45 | 231, Approximate solution of the nonlinear second-order differential equations with derivatives with respect to an increasing function, Avyt Asanov, Akak Shadykanova, Kalyskan Matanova                                   |
| 8. 11:45-12:00 | 273, System of parabolic equations with a power boundary layer, Asan Omuraliev, Peil Esengul kyzy  |
| 9. 12:00-12:15 | 375, Determination of RC circuit of calcite-doped hydrogels from dielectric plane plots, Mehmet Öncan, Muhittin Öztürk, Ramazan Coşkun, Mustafa Okutan, Orhan Yalçın   |

## SECTION 2: 12:30-14:30 (TR TIME)

## SECTION 2.1- AGRICULTURAL SCIENCES AND TECHNOLOGIES

NOHU-Chair: Halil Toktay

Technical Staf: İbrahim Köken, ibrahimkoken1@gmail.com

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TR Time

1. 12:30-12:45 367, The use of agriculture fruit waste as animal feed: A Modern Review, Nida Irshad
2. 12:45-13:00 369, Essential oils as an alternative to synthetic drugs in Poultry Production, Hassan Jalal, Sema Yaman
3. 13:00-13:15 37, HAYVAN PARAZİTLERİNE KARŞI VAN (TÜRKİYE)'DA HALKIN KULLANDIĞI BİTKİLER, Fevzi Özgökçe, Murat Ünal, Suat Ekin, İsmail Hakkı Ekin, Gökhan Oto, Abdullah Karasu, Zehra Ekin, Semiha Dede, Yıldırım Başbugan
4. 13:15-13:30 391, FARKLI ZAMBAK (Lilium spp.) TÜRLERİNDE İN VİTRO SOĞAN ÜRETİMİ, Çilem Baran, Şeyda Çavuşoğlu, Solmaz Najafi
5. 13:30-13:45 136, Tohumluk Patates Üretiminde Farklı İriliikteki Mini Yumrular İçin Dikim Sıklığının Optimizasyonu, Ali ONARAN, Mehmet Emin Çalışkan
6. 13:45-14:00 162, Agronomic, botanical and breeding approaches to improve groundnut yield and nutrient quality in Sub-Saharan Africa, Eric Kuopuobe NAAWE, Francis TAINGZUNAALOUNG
7. 14:00-14:15 168, Utilization of Plant Genetic Resources in Plant Breeding, Orkun GENCER, Sedat SERÇE
8. 14:15-14:30 177, Evaluation of Antibacterial Activity of Tea Tree Oil against *Clavibacter michiganensis* subsp. *michiganensis*, Nida Ünlü, Quratul Ain Sajid, Eminur Elçi

## SECTION 2.2- ARCHITECTURE-CIVIL ENGINEERING

NOHU-Chair: Hakan Karaca

ENU-Chair: Zharkenov Erkebulan

Technical Staf: Yunus Emre Kebeli, yunusemrekebeli@ohu.edu.tr

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1. 12:30-12:45 360, Trapez Savakların Debi Katsayısının Çok Değişkenli Uyarlanabilir Regresyon Eğrileri (ÇDURE) ve Çoklu Doğrusal Regresyon (ÇDR) Yöntemleri ile Tahmin Edilmesi, Abdulkadir Özlük, Oğuz Şimşek, Veysel Gümüş
2. 12:45-13:00 398, FARKLI UÇUCU KÜL, ALKALİ AKTİVATÖR VE KÜR SICAKLIĞININ GEOPOLİMER KOMPOZİT MALZEME ÜRETİMİNE ETKİSİ, Neslihan Doğan-Sağlamtimur, Ahmet Bilgil, Hatice Öznur Öz, Kadir Günaydin
3. 13:00-13:15 390, Effect of alumina sand proportion on strength properties of fly ash based geopolymer mortar, Kinga Pławecka, Michał Łach, Kinga Korniejenko
4. 13:15-13:30 20, Kalker Kumu İle Üretilmiş Diatomitli Harçların Özellikleri, Mustafa Sarıdemir, Ahmet Yıldırım

## SECTION 2.3- BIOLOGY AND BIOTECHNOLOGY

NOHU-Chair: Tuba Artan Onat

ENU-Chair: Omarov Rustem

KTMU-Chair: Gülbübü Kurmanbekova

Technical Staf: Cihan Düşgün, cihandusgun@gmail.com

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TR Time

1. 12:30-12:45 284, COVID-19 and Cardiovascular Involvement Physiopathology, Betül Ozdemir, Zeliha Selamoglu



## SECTION 2

2. 12:45-13:00 221, Study of Monomer and Crowding Agents on Structure and Stability of Myoglobin, Muneera Lateef, Khalida Nasreen, Shabab Hasan khan, Taaj Mohammad, Asimul Islam, Faizan Ahmad
3. 13:00-13:15 267, Therapeutic effects of ethanolic extract of a folk herbal plant Conyza boneriensis in high sucrose and NI-STZ induced Type 2 diabetic model of rats, Imtiaz Mustafa, Haseeb Anwar, Shahzad Irfan, Humaira Muzaffar
4. 13:15-13:30 269, Reactions of some Red Bread Wheat Genotypes in Yield Trials to Rusts and Bunt, Kadir AKAN, Ayten SALANTUR, Selami YAZAR, Bayram ÖZDEMİR, Mehmet Emin ALYAMAÇ, İrfan ÖZTÜRK
5. 13:30-13:45 277, Gallic Acid as a natural protease inhibitor in fungal pathogenesis, Ziaul Hasan, Asimul Islam, Luqman Ahmad Khan
6. 13:45-14:00 281, III Халықаралық Түркі әлемі жаратылыстану және инженерлік ғылымдар конгресіне баяндама, Гүльмира Ташкеева, Ермек Бекмуратов, Галым Илипов
7. 14:00-14:15 182, DNA SEPARATION via Fe<sup>3+</sup>-BINDED EXTRACELLULAR BIOPOLYMERIC COMPOSITE CRYOGELS, Burcu ÖNAL ACET, Mehmet ODABAŞI
8. 14:15-14:30 315, Covid-19 Vaccination, Homologous, Heterologous Prime Boosting or Enhanced Heterologous Immunoboosting, Shahid Abbas, Zeliha Selamoglu

### SECTION 2.4- CHEMISTRY

NOHU-Chair: Ersen Turaç

ENU-Chair: Kopishev Eldar

KTMU-Chair: Duygu Alpaslan

Technical Staf: İnci Yaşaroğlu, inci.yasaroglu@ohu.edu.tr

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- | TR Time        |   |
|----------------|---|
| 1. 12:30-12:45 | 285, Investigation of cadmium's sorption ions by chelate sorbents, Nazile Huseynova, Kamala Badalova, Karina Orujova  |
| 2. 12:45-13:00 | 288, Enhanced immunosuppressive effects of 3,5-bis[4 (diethoxymethyl)benzylidene]-1-methyl-piperidin- 4-one, an $\alpha$ , $\beta$ -unsaturated carbonyl-based compound as PLGA-b-PEG nanoparticles, Laiba Arshad, Ibrahim Jantan, Syed Nasir Abbas Bukhari |
| 3. 13:00-13:15 | 333, Optimization method for preparing carboxymethyl cellulose with high viscosity from different factory wastes, Nuran Celikci, Mustafa Dolaz, Cengiz Ayhan Ziba   |
| 4. 13:15-13:30 | 334, Effect of carboxymethyl cellulose (CMC) on the consistency and penetration time of cement paste, Nuran Celikci, Mustafa Dolaz, Cengiz Ayhan Ziba   |
| 5. 13:30-13:45 | 362, Hidroksil Grupları İçeren Yeni Schiff Bazı Metal Komplekslerinin Sentezi ve Benzil Alkol Oksidasyonunda Katalitik Özellikleri, Cengiz Ayhan Ziba, Mustafa Dolaz  |
| 6. 13:45-14:00 | 363, Hidroksil Grupları İçeren Yeni Schiff Bazı Metal Komplekslerinin Nişasta Oksidasyonundaki Katalitik Özellikleri, Cengiz Ayhan Ziba, Mustafa Dolaz  |
| 7. 14:00-14:15 | 364, Metoksi Grupları İçeren Yeni Schiff Bazı Metal Komplekslerinin Nişasta Oksidasyonundaki Katalitik Özellikleri, Cengiz Ayhan Ziba, Mustafa Dolaz  |
| 8. 14:15-14:30 | 365, Metoksi Grupları İçeren Yeni Schiff Bazı Metal Komplekslerinin Sentezi ve Benzil Alkol Oksidasyonunda Katalitik Özellikleri, Cengiz Ayhan Ziba, Mustafa Dolaz  |

### SECTION 2.5- CONTROL, COMPUTER, ELECTRICAL, ELECTRONICS, AND MECHATRONICS ENGINEERING

NOHU-Chair: Şahin Sönmez

ENU-Chair: Zhumadillayeva Ainur

KTMU-Chair: Rita İsmailova

Technical Staf: Rıza Erhan Akdoğan, ariza@ohu.edu.tr

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- | TR Time        |   |
|----------------|---|
| 1. 12:30-12:45 | 378, Using a project-based learning method in "Software Engineering" course, Chinara Jumabaeva  |
| 2. 12:45-13:00 | 12, ARDUINO BASED DESIGN AND CONTROL OF RAILWAY REVOLVING BRIDGE, ERHAN ERSOY   |
| 3. 13:00-13:15 | 61, AN ALTERNATIVE MIXING PARAMETER UPDATE RULE FOR COMPLEX-VALUED COLLABORATIVE ADAPTIVE FILTER STRUCTURES, Buket ÇOLAK GÜVENÇ, Engin Cemal MENGÜÇ |



## SECTION 2

- 114, ELEKTRİKLİ ARAÇLAR VE DİNAMİK TALEP CEVABI İÇEREN ZAMAN GECİKMELİ YÜK FREKANS KONTROL SİSTEMİNİN KARARLILIK BÖLGESİNİ OLUŞTURAN Pİ DENETLEYİCİ KAZANÇLARININ BELİRLENMESİ, Deniz KATIPOĞLU, Ausnain NAVEED, Şahin SÖNMEZ, Saffet AYASUN
4. 13:15-13:30 120, Alfa-Bağımlı Gürültülü Ortamlarda Ağırıklılandırılmış Meridian Filtrelerin Diferansiyel Gelişim Algoritması İle Optimizasyonu, Hasan Zorlu, Simay Kaya
5. 13:30-13:45 240, Effects of Antenna Array on Throughput in 5G NR PDSCH, Ural Mutulu, Yasin Kabalcı
6. 13:45-14:00 213, MODELING OF THERMOELECTRIC GENERATOR WITH ANSYS AND MATLAB/ SIMULINK, Aytuğ Özçavdar, Yaşar İslamoğlu, Nisanur Açıkdeniz
7. 14:00-14:15 70, Influence of process parameters on TWR in Electrical Discharge Machining of Cu-based SMA: An Experimental Investigation, Ranjit Singh, Ravi Pratap Singh, Rajeev Trehan
8. 14:15-14:30

### SECTION 2.6- ENVIRONMENTAL ENGINEERING

NOHU-Chair: Neslihan Doğan Sağlamtimur

ENU-Chair: Beisenova Raikhan

KTMU-Chair: Zarlik Maimekov

Technical Staf: Kübra Nur Gül, kubragul@ohu.edu.tr

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TR Time

- 350, POSSIBLE EFFECT OF INCREASED CO<sub>2</sub>, HIGH TEMPERATURE AND DROUGHT AS CLIMATE CHANGE RELATED FACTORS ON ADAPTATION OF TURKISH NATIVE ALFALFA VARIETIES, Tefide Kizildeniz, Bilal Karaağaç, Yahya Ekincioğlu
1. 12:30-12:45 135, Herbs' effects in fatty liver treatment in the world-A review, Ebrahim Alinia-Ahandani, Zeliha Selamoglu, Milad Sheydaei, Zahra Alizadeh-Terepoei
2. 12:45-13:00 258, FLORA OF THE AT-BASHI RIVER BASIN OF THE INNER TYAN-SHAN OF KYRGYZSTAN, Nazgul Imanberdieva
3. 13:00-13:15 259, FEATURES OF THE VEGETATION BASIN AT-BASHI RIVERS OF THE INNER TYAN-SHAN OF KYRGYZSTAN, Nazgul Imanberdieva
4. 13:15-13:30 396, Air Pollution Status in Antalya (Turkey) before and during COVID-19 Pandemic in terms of PM<sub>10</sub> and SO<sub>2</sub>, Kemal Ulusoy, Neslihan Doğan-Sağlamtimur
5. 13:30-13:45 275, Mikroplastiklerin Biyodegradasyonu ve Çevresel Yönleri, Özgecan MADENLİ, Ceyhun AKARSU, Ece Ümmü DEVECİ
6. 13:45-14:00 397, İki Farklı Karbon Bazlı İletken Malzemenin Hayvan Gübresinden Üretilen Biyogaz Üzerindeki Etkileri, Hamdi MURATÇOBANOĞLU, Öznur Begüm GÖKÇEK, Ruhullah Ali MERT, Recep ZAN, Sevgi DEMİREL
7. 14:00-14:15 399, WOOD PLASTIC COMPOSITE AS A NOVEL RECYCLING ALTERNATIVE FOR WASTE PLASTICS, Kadir Günaydın, Neslihan Doğan-Sağlamtimur
8. 14:15-14:30

### SECTION 2. 7- FOOD ENGINEERING

NOHU-Chair: Zeliha Yıldırım

KTMU-Chair: Anarseyit Deaydiev

Technical Staf: Mehmet Yetişen, mehmetyetisen@ohu.edu.tr

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TR Time

- 305, Efficacy of Taurine added LSM based Diet on Apparent Digestibility of Nutrient and Mineral retention in Cyprinus carpio fingerlings, Muhammad Mudassar Shahzad, Fatima Khalid, Syed Makhdoom Hussain
1. 12:30-12:45 306, Collection and documentation of data for establishing a Kyrgyz national food composition database, Jamila Smanalieva, Janyl Iskakova, Mukarama Musulmanova, Anna Giertlová
2. 12:45-13:00 325, THE IMPORTANCE OF COLD CHAIN LOGISTICS IN DAIRY PRODUCTS, Usman Mir Khan, Mesut SELAMOGLU
3. 13:00-13:15 361, Applications of Gum arabic as edible coatings in food industry, Wadah Elsheikh, İlknur Ucak
4. 13:15-13:30 282, ДЖАЛАЛ ЭД-ДИН РУМИ - ВЕЛИКИЙ ЧЕЛОВЕК ВСЕХ ВРЕМЕН, Байболот Абытов
5. 13:30-13:45 340, Кыргызстандын түштүк аймагындагы бадамдардын (Amygdalus communis L.) физикалык-химиялык мүнөздөмөсү, Калыйпа Салиева, Бакыт Боркоев, Зиядат Салиева
6. 13:45-14:00

## SECTION 2

7. 14:00-14:15 84, Sürdürülebilir Protein Kaynakları: Bitki, Böcek, Yapay Et ve Tek Hücre Proteinleri, Ayşen Baş, Doğa Peksever, Sedef Nehir El
8. 14:15-14:30 94, Mülhiye (Corchorus olitorius) Bitkisine Farklı Kurutma Metotlarının Etkisi, Nezahat Olcay, Mustafa Kürşat Demir

### SECTION 2.8-MECHANICAL, METALLURGICAL, AND MATERIALS ENGINEERING

NOHU-Chair: Murat Gökçek

ENU-Chair: Zhumagulov Mikhail

Technical Staf: Habip Gökay Korkmaz, hkorkmaz@ohu.edu.tr

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- TR Time
1. 12:30-12:45 207, The Effect of Pressure Increase Rate and Threshold Speed Parameters to Static Friction Forces in Pneumatic Cylinders, Mustafa DAĞDELEN, Mehmet İleriş SARIGEÇİLİ
2. 12:45-13:00 209, Evaluation of Cracking Pressure at Proportional Directional Control Valves for Different Valve Control Signals and Supply Pressures, Mustafa DAĞDELEN, Mehmet İleriş SARIGEÇİLİ
3. 13:00-13:15 220, Kürlenme İşleminin Kompozit Yapıların Doğal Frekansı Üzerine Etkisi, Şeyma İnce, Hasan Öztürk
4. 13:15-13:30 229, Electrochemical Deposition and Characterization of Polyaniline/Graphene Oxide-Polyaniline Composite Films on Pt-Ir Electrode, Osman Cem ALTINCI, Bahadır K. KÖRBAHTİ

### SECTION 2.9- PHYSICS-MATHEMATICS

NOHU-Chair: Sefa Ertürk

ENU-Chair: Inerbaev Talgat, Zhumadilov Kassym

KTMU-Chair: Fahreddin Abdullayev

Technical Staf: Birgül Eren, brg.gokuzum@gmail.com

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- TR Time
1. 12:30-12:45 290, Regularized asymptotics of the solution of systems of parabolic differential equations, Asan Omuraliev, Ella Abylaeva
2. 12:45-13:00 303, SOME FAMILY OF INTEGRABLE RICCATI EQUATIONS, Anarkul Urdaletova, Syrgak Kydyraliev
3. 13:00-13:15 304, DIOPHANTUS - AL KHWARIZMI METHOD: BETWEEN ANTIQUITY AND MODERNITY, Anarkul Urdaletova, Syrgak Kydyraliev
4. 13:15-13:30 319, On the Orthonormal Polynomials over a Contour of the Complex Plane, Fahreddin Abdullayev Fahreddin
5. 13:30-13:45 351, On the Behavior of the Derivative of Polynomials in Unbounded Regions of the Complex Plane, Cevahir Doğanay Gün, N. Pelin Özkartepe, Fahreddin G. Abdullayev
6. 13:45-14:00 56, EFFICIENCY TEST OF THE LR-115 TYPE 2 SOLID-STATE ALPHA-TRACK DETECTOR FOR RADON RESEARCH APPLICATIONS, Dana Yerimbetova, Valery Stepanenko, Kassym Zhumadilov
7. 14:00-14:15 51, Willmore Function of Manheim Partner Curves in Euclidean 3-Space, Filiz ERTEM KAYA
8. 14:15-14:30 171, Focusing Capability of Cantor Fractal Based Optical Metamaterial, Ekin Aslan, Erdem Aslan

## SECTION 3: 15:00-17:00 (TR TIME)

## SECTION 3.1- AGRICULTURAL SCIENCES AND TECHNOLOGIES

NOHU-Chair: Ufuk Demirel

Technical Staf: Ibrahim Köken, ibrahimkoken1@gmail.com

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- | TR Time        |  |
|----------------|--|
| 1. 15:00-15:15 | 179, Molecular Screening and Partial Characterization of N Segment of Tomato Spotted Wilt Orthotospovirus in Pepper Plants at Mersin Province, Quratul Ain Sajid, Nida Ünlü, Eminur Elçi |
| 2. 15:15-15:30 | 189, Contribution of the Polyploidy to Horticultural Crop Diversity, Orkun GENCER, Sedat SERÇE   |
| 3. 15:30-15:45 | 194, Role of microorganisms and fermentation inside the Rumen, Muhammad Umair Asghar, Martyna Magdalena Wilk, Sibel Canoğulları Doğan  |
| 4. 15:45-16:00 | 217, Kalmodülün Bağlayıcı Transkripsiyon Faktörü (CAMTA) Ailesinin Kuraklık Toleransındaki Rollerinin Arabidopsis thaliana'da Belirlenmesi, Dilan Ateş, Emre Aksoy                       |
| 5. 16:00-16:15 | 223, Lavantadan (Lavandula angustifolia) toplam flavonoid maddelerin ultrases destekli ekstraksiyonunda etkili faktörlerin belirlenmesi, Hamza Alasalvar, Zeliha Yildirim                |
| 6. 16:15-16:30 | 243, Patateste Potasyumun Yumru Kalitesi Üzerine Etkileri, RAMAZAN AYTEKİN, SEVGİ ÇALIŞKAN   |
| 7. 16:30-16:45 | 324, Farklı Somatik Hücrelerle Kültüre Edilerek İn Vitro Koşullar Altında Üretilen Sığır Embriyolarının Dondurulması, Şeyma AYDEMİR, Fatin CEDDEN  |
| 8. 16:45-17:00 | 338, mrs, oluwatosin Ogunkalu, Ilknur Ucak   |

## SECTION 3.2- BIOLOGY AND BIOTECHNOLOGY

NOHU-Chair: Gazi Görür

ENU-Chair:Omarov Rustem

Technical Staf: Hüseyin Türker, huseyinturker@ohu.edu.tr

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- | TR Time        |  |
|----------------|--|
| 1. 15:00-15:15 | 323, Радон-индукцияланган өкпе ісігі бар науқастардағы miR-19b-3p экспрессия деңгейін талдау, Акмарал Арипова, Ольга Булгакова, Асия Құсаинова, Рахметқажы Берсімбай                               |
| 2. 15:15-15:30 | 336, Synthesis and functionalization of ferrite magnetic beads for bioseparation and biosensing applications, Yaşar Özer Yılmaz, Nahide Ekin Süslü, Esra Ağel, Birgül Benli                        |
| 3. 15:30-15:45 | 384, Coprotus Korf & Kimbr.: A new coprophilous genus record for the mycobiota of Turkey, Mustafa Emre Akçay, Yunus Denğiz, Sedat Kesici   |
| 4. 15:45-16:00 | 82, A Neuroprotective Effect of the Complex Extract of Medicinal Mushroom and Herbal Medicin Against the Development of Alzheimer's Disease, Nouredine Djebli                                      |
| 5. 16:00-16:15 | 190, The Influence of Examination Stress on the Hemostasis Indicators of Students in the 9th and 11th Grades, Gulbubu Kurmanbekova, Salkyn Beishenaliyeva, Nurjamal Omurzakova, Bermet Kydyralieva |
| 6. 16:15-16:30 | 36, TAŞELİ PLATOSU VE ERMENEK VADİSİ (ANTALYA-KARAMAN-MERSİN)'DEN C12 KARESİ İÇİN YENİ KAYIT BRİYOFİTLER, Ahmet Uygur, Tülay Ezer, Seher Karaman Erkul, Mevlüt Alataş                              |
| 7. 16:30-16:45 | 106, Bitki Biyoçeşitliliğinin Ex-Situ Korunmasında Biyoteknolojik Yaklaşımlar, Hüseyin Türker, Bengü Türkyılmaz Ünal   |
| 8. 16:45-17:00 | 113, Karınca Dağı (Pozantı-Adana)'ndan Adana Bölümü (6b) İçin Yeni Kayıt Damarlı Bitkiler, Ali Keskin, Tülay Ezer, Seher Karaman Erkul, Mehtap Tekşen  |

## SECTION 3.3- CHEMISTRY

NOHU-Chair: Ersen Turaç

ENU-Chair: Kopishev Eldar

KTMU-Chair:Ömer Faruk Öztürk

Technical Staf: İnci Yaşaroğlu, inci.yasaroglu@ohu.edu.tr

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- TR Time
1. 15:00-15:15 16, Atık polietilen tereftalat şişesinden elde edilen N- açilhidrazidlerin su ortamında etil asetoasetat ile reaksiyonu, Fatih Eyduran, Süleyman Savran, Mutlu Çelikez
  2. 15:15-15:30 40, POLİ (N İZOPROPİLAKRİLAMİD) HİDROJELLERİ VE NANOKOMPOZİTLERİNİN GERİLME GEVŞEMESİ KARAKTERİZASYONU, Necmi Düşünceli
  3. 15:30-15:45 228, 2-aminofenoksi birimleri içeren yüksek çözünürlüğe sahip çinko(II) sentezi, karakterizasyon ve spektroskopik özellikleri, Fatih Mutlu, Ömer Faruk Öztürk, Mehmet Pişkin
  4. 15:45-16:00 238, Yeni İndiyum(III) Asetat Ftalosiyanın Sentez ve Spektroskopik Özellikleri, Fatih Mutlu, Ömer Faruk Öztürk, Mehmet Pişkin
  5. 16:00-16:15 280, Yeni Suda Çözünür İndiyum(III) Metalli Ftalosiyanın Sentezi ve Karakterizasyonu, Serkan Saruhan, Ömer Faruk Öztürk, Erdal Canpolat, Mehmet Pişkin
  6. 16:15-16:30 326, EVALUATION OF INHIBITOR ACTIVITY OF SYRINGA VULGARIS (ANGIOSPERMAE) EXTRACT ON THE ACIDIC CORROSION OF MILD STEEL, Demet ÖZKIR
  7. 16:30-16:45 327, ARAKNİD KİTİNİNİN BAZI AĞIR METALLERİN SULU ORTAMDAN UZAKLAŞTIRILMASI ÜZERİNE ETKİLERİNİN İNCELENMESİ, Yavuz SÜRME, Derya ATASEVER
  8. 16:45-17:00 358, GRAFEN OKSİT, MANYETİK GRAFEN OKSİT VE NİKEL OKSİT/GRAFEN OKSİT KOMPOZİTLERİNİN SENTEZLENMESİ VE SULU ORTAMDA BULUNAN KADMİYUM VE KURŞUN İYONLARININ GİDERİLMESİNE UYGULANMASI, Yavuz SÜRME, Mustafa UÇAN, İbrahim NARİN

## SECTION 3.4- CONTROL, COMPUTER, ELECTRICAL, ELECTRONICS, AND MECHATRONICS ENGINEERING

NOHU-Chair: Mehmet Kürşat Yalçın

ENU-Chair: Zhumadillayeva Ainur

KTMU-Chair: Rita Ismailova

Technical Staf: Rıza Erhan Akdoğan, ariza@ohu.edu.tr

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- TR Time
1. 15:00-15:15 370, Adaptive Fading Extended Kalman Filter Based IM Drive Improved with Feed-Forward Control of Load Torque, Rıdvan Demir, Recep Yıldız, Murat Barut
  2. 15:15-15:30 274, Asenkron Motorun Durum ve Parametre Kestirimi İçin Karma Uyarlamalı Genişletilmiş Kalman Filtresinin Tasarımı, Gizem Özkurt, Emrah Zerdali
  3. 15:30-15:45 394, MULTIBAND MICROSTRIP BANDPASS FILTER DESIGN, Elif GÜNTÜRKÜN ŞAHİN
  4. 15:45-16:00 251, Artificial Noise Aided Secured Hybrid Precoder Design for mmWave Massive MIMO systems, Yasin KABALCI, Muhammad ALI
  5. 16:00-16:15 64, Mekânsal Verilerin Depolandığı İlişkisel Veritabanı Metin Arama İşleminde Sorgu Optimizasyonu, Murat TAŞYÜREK

## SECTION 3

SECTION 3.5- ENVIRONMENTAL ENGINEERING  
NOHU-Chair: Mahmdi Muratçobanoğlu  
ENU-Chair: Beisenova Raikhan  
KTMU-Chair: Mehmet Kobya  
Technical Staf: Kübra Nur Gül, kubragul@ohu.edu.tr

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TR Time

1. 15:00-15:15 132, Measuring some toxic metals in powdered Herb in local markets of Lahijan city-Iran, Ali Akbar Malekirad, Habiboollah Nazem, Mohammad Fazilati, Hossein Salavati, Ebrahim Alinia-Ahandani, Mhammad Rezaei
2. 15:15-15:30 386, Solar panel waste end-of-life material recycling, Edanur Topkaya, Birgül Benli
3. 15:30-15:45 261, METALS WITH PROPARGYL COMPOUNDS IN AN AGGRESSIVE ENVIRONMENT RESEARCH OF CORROSION AS INHIBITORS, Gulahmed Talybov, Fakhraddin Yusubov

SECTION 3. 6- FOOD ENGINEERING  
NOHU-Chair: Hasan USLU  
KTMU-Chair: Anarseyit Deaydiev  
Technical Staf: Mehmet Yetişen, mehmetyetisen@ohu.edu.tr

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TR Time

1. 15:00-15:15 133, FARKLI KURUTMA YÖNTEMLERİNİN VE ÖN İŞLEMİN KUŞKONMAZ (*Asparagus officinalis*) DİLİMLERİNİN RENK DEĞERLERİ ÜZERİNDEKİ ETKİSİNİN YANIT YÜZEY YÖNTEMİ İLE OPTİMİZASYONU, CEM BALTACIOĞLU
2. 15:15-15:30 138, EFFECT OF FERMENTED WASTE CARROT POWDER ADDITION ON MICROBIAL FLORA IN TARHANA FERMENTATION, Duygu ALTIPARMAK, Hasan TANGÜLER
3. 15:30-15:45 149, ŞEKER ŞURUPLARI ÜRETİMİ, GIDALARDA KULLANIMI VE SAĞLIK ÜZERİNE ETKİSİ, Sinem Coruk, Hande Baltacıoğlu
4. 15:45-16:00 150, KÜLTÜRLÜ VE KÜLTÜRSÜZ KREMADAN ÜRETİLEN TEREYAĞI VE SADEYAĞ ÖRNEKLERİNİN DEPOLAMA SÜRESİNCE LİPOLİTİK BAKTERİ VE MAYA-KÜF GELİŞİMİNİN BELİRLENMESİ VE KARŞILAŞTIRILMASI, TEKİN DEMİR, SEVAL ANDIÇ
5. 16:00-16:15 159, THE EFFECT OF SHALGAM BEVERAGE FERMENTATION RESIDUAL PRODUCTS OF SETIC AND TURNIP RADISH POWDER ON MICROBIAL CHANGE DURING TARHANA FERMENTATION, Aslıhan TATLISOY, hasan tangüler
6. 16:15-16:30 247, Evaluation of the Fouling Behaviour for Ultrafiltration of Blackberry Juice Using Resistance-in-Series Model, Kübra Elif Özkaleli, K. Savaş Bahçeci

SECTION 4: 17:30-19:30 (TR TIME)  
SECTION 4.1- AGRICULTURAL SCIENCES AND TECHNOLOGIES  
NOHU-Chair: Ufuk Demirel  
Technical Staf: İbrahim Köken, ibrahimkoken1@gmail.com

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TR Time

1. 17:30-17:45 368, Tomato: Source of Natural Bioactive Compounds and Medicines, Qurat ul Ain Sajid, Muhammad Yasir Naeem, Maliha Afreen, Muhammad Umair Asghar
2. 17:45-18:00 373, role of prebiotic inulin in ruminants nutrition, Maira Tariq, Sema Yaman
3. 18:00-18:15 383, SÜRDÜRÜLEBİLİR-İZLENEBİLİR TARIM: TARIM 4.0, Esra Deniz KARAGÖL, Nurhan KESKİN
4. 18:15-18:30 400, Nutritive values and methane emission from summer grass species from Northern Pakistan, Nazir Ahamd Khan

## SECTION 4

# SECTION 4

5. 18:30-18:45 401, The effects of rapeseeds inclusion in the diets of dairy cows on milk quality, A.-G. Oancea, C Dragomir  
6. 18:45-19:00 116, PATATESTE VERİM ESASLI AZOTLU GÜBRE YÖNETİMİ, Mustafa AKKAMIŞ, Sevgi ÇALIŞKAN

## SECTION 4.2- BIOLOGY AND BIOTECHNOLOGY

NOHU-Chair: Esin Canlı

ENU-Chair: Omarov Rustem

KTMU-Chair: Kadyr Chekirov

Technical Staf: Hüseyin Türker, huseyinturker@ohu.edu.tr

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- TR Time
1. 17:30-17:45 185, A KARYOLOGICAL STUDY ON Nannospalax ehrenbergi (Nehring, 1898) IN ADANA PROVINCE, Tuncay Tuluk, Cihan Düşgün, İlkay Civelek, Teoman Kankılıç
2. 17:45-18:00 289, Bakteriye Biyofilmlerin Uzaklaştırılması İçin Alternatif Bir Yöntem olarak Bakteriyofajlar, Nida Nur URGANCI, Zeliha YILDIRIM
3. 18:00-18:15 329, Mr, Khalil Ahmad, Habib Ur Rehman Shah, Muhammad Ashfaq, Asif Ayub
4. 18:15-18:30 392, TOXICITY AND HYPOGLYCAEMIC ACTIVITY OF PICRALIMA NITIDA (STAPF) T. DURAND & H. DURAND, Alida Edwige ODOH, Yvette FOFIÉ, Diéneba KONE-BAMBA
5. 18:30-18:45 395, Natural products: a valuable approach for boasting functional restoration in induced Sciatic nerve lesion scenario, Ghulam Hussain, Azhar Rasul, Haseeb Anwar, Shamaila Zafar, Javeria Maqbool, Faiqa Sajid, Rabia Akram, Tehreem Iman, Tao Sun
6. 18:45-19:00 318, PHYTOPLANKTON OF ZAB RIVER IN NORTHERN IRAQ, Gunes PALA, Metin CAGLAR, Rzgar Rashid, Zeliha SELAMOGLU
7. 19:00-19:15 187, A Cytogenetic Study On Nannospalax Xanthodon In Adana (Kozan) Province, Tuncay Tuluk İlkay Civelek Cihan Düşgün Teoman Kankılıç
8. 19:15-19:30

## SECTION 4.3- CHEMISTRY

NOHU-Chair: Yavuz Sürme

ENU-Chair: Kopishev Eldar

Technical Staf: Gizem Kahve Yıldırım, gizem.kahveyildirim@mail.ohu.edu.tr

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- TR Time
1. 17:30-17:45 125, Prediction of the formation of chlorine-containing substances during the destruction of sovol in a gas-liquid medium with the participation of metal oxides, Zarlyk Maimekov, Damira Sambaeva, Timur Maimekov, Janarbek Izakov
2. 17:45-18:00 286, SDUDY OF ANTIMICROBIAL PROPERTIES OF DICHORO-DIAZABUTADIENE SYNTHESIZED BASED ON THE 4-CHLOROBENZALDEHYDE, G.T. SULEYMANOVA, Kh.N BAGİROVA, D.S. GAFAROVA, K.K. Badalova, N.G. SHIKHALIEV, G.V. BABAYEVA
3. 18:00-18:15 330, Karbon nanotüp destekli Ru, Pd ve Pt modifiye camı karbon elektroduna dayalı L-sisteinin hassas elektrokimyasal tespiti, Kadir SELÇUK, Ömer Faruk ER, Hilal DEMİR KIVRAK, Nahit AKTAŞ

21th June 2021

## Introduction and Cooperation Meeting of Departments

TR Time

SECTION 5

10:00-11:00	<p>SECTION 5.1- AGRICULTURAL SCIENCES AND TECHNOLOGIES NOHU-Chair: Halil Toktay</p> <p>Meeting (Microsoft Teams) link:</p> <p><a href="https://teams.microsoft.com/l/meetup-join/19%3a8AgwAFi2RjQ9fEc044c1QbDzh9PpLypri1B64oEgXmA1%40thread.tacv2/1623516881086?context=%7b%22Tid%22%3a%22da8fc107-2de1-436a-a756-dd42714c58a9%22%2c%22Oid%22%3a%2254f76543-e587-44d0-bda6-fb3638825875%22%7d">https://teams.microsoft.com/l/meetup-join/19%3a8AgwAFi2RjQ9fEc044c1QbDzh9PpLypri1B64oEgXmA1%40thread.tacv2/1623516881086?context=%7b%22Tid%22%3a%22da8fc107-2de1-436a-a756-dd42714c58a9%22%2c%22Oid%22%3a%2254f76543-e587-44d0-bda6-fb3638825875%22%7d</a></p>
10:00-11:00	<p>SECTION 5.2- ARCHITECTURE-CIVIL ENGINEERING NOHU-Chair: Hakan Karaca</p> <p>Meeting (Microsoft Teams) link:</p> <p><a href="https://teams.microsoft.com/l/meetup-join/19%3aZrBLxXFFz0iGzamRJLI-dv-PLo5h9WzcrvyNilYdjdg1%40thread.tacv2/1623516965583?context=%7b%22Tid%22%3a%22da8fc107-2de1-436a-a756-dd42714c58a9%22%2c%22Oid%22%3a%2254f76543-e587-44d0-bda6-fb3638825875%22%7d">https://teams.microsoft.com/l/meetup-join/19%3aZrBLxXFFz0iGzamRJLI-dv-PLo5h9WzcrvyNilYdjdg1%40thread.tacv2/1623516965583?context=%7b%22Tid%22%3a%22da8fc107-2de1-436a-a756-dd42714c58a9%22%2c%22Oid%22%3a%2254f76543-e587-44d0-bda6-fb3638825875%22%7d</a></p>
10:00-11:00	<p>SECTION 5.3- BIOLOGY AND BIOTECHNOLOGY NOHU-Chair: Esin Canlı</p> <p>Meeting (Microsoft Teams) link:</p> <p><a href="https://teams.microsoft.com/l/meetup-join/19%3aeRJBNSuDijYsfjCaQJynoE2O991xi-N-EzD6g2BPZB81%40thread.tacv2/1623517223172?context=%7b%22Tid%22%3a%22da8fc107-2de1-436a-a756-dd42714c58a9%22%2c%22Oid%22%3a%2254f76543-e587-44d0-bda6-fb3638825875%22%7d">https://teams.microsoft.com/l/meetup-join/19%3aeRJBNSuDijYsfjCaQJynoE2O991xi-N-EzD6g2BPZB81%40thread.tacv2/1623517223172?context=%7b%22Tid%22%3a%22da8fc107-2de1-436a-a756-dd42714c58a9%22%2c%22Oid%22%3a%2254f76543-e587-44d0-bda6-fb3638825875%22%7d</a></p>
10:00-11:00	<p>SECTION 5.4- CHEMISTRY NOHU-Chair: Ersen Turaç</p> <p>Meeting (Microsoft Teams) link:</p> <p><a href="https://teams.microsoft.com/l/meetup-join/19%3a-urIXSb7-Qp-b4TtbFSyQSRG31JNyhnKCr0miOaiods1%40thread.tacv2/1623517426306?context=%7b%22Tid%22%3a%22da8fc107-2de1-436a-a756-dd42714c58a9%22%2c%22Oid%22%3a%2254f76543-e587-44d0-bda6-fb3638825875%22%7d">https://teams.microsoft.com/l/meetup-join/19%3a-urIXSb7-Qp-b4TtbFSyQSRG31JNyhnKCr0miOaiods1%40thread.tacv2/1623517426306?context=%7b%22Tid%22%3a%22da8fc107-2de1-436a-a756-dd42714c58a9%22%2c%22Oid%22%3a%2254f76543-e587-44d0-bda6-fb3638825875%22%7d</a></p>
10:00-11:00	<p>SECTION 5.5- CONTROL, COMPUTER, ELECTRICAL, ELECTRONICS, AND MECHATRONICS ENGINEERING NOHU-Chair: Yasemin Altuncu</p> <p>Meeting (Microsoft Teams) link:</p> <p><a href="https://teams.microsoft.com/l/meetup-join/19%3aopNYtApzZORt2AKKxKXZmfcMflPKIFgONXtSVasNLWw1%40thread.tacv2/1623517835033?context=%7b%22Tid%22%3a%22da8fc107-2de1-436a-a756-dd42714c58a9%22%2c%22Oid%22%3a%2254f76543-e587-44d0-bda6-fb3638825875%22%7d">https://teams.microsoft.com/l/meetup-join/19%3aopNYtApzZORt2AKKxKXZmfcMflPKIFgONXtSVasNLWw1%40thread.tacv2/1623517835033?context=%7b%22Tid%22%3a%22da8fc107-2de1-436a-a756-dd42714c58a9%22%2c%22Oid%22%3a%2254f76543-e587-44d0-bda6-fb3638825875%22%7d</a></p>



# SECTION 5

<p>10:00-11:00</p>	<p style="text-align: center;">SECTION 5.6- ENVIRONMENTAL ENGINEERING NOHU-Chair: Neslihan Doğan Sağlamtimur</p> <p style="text-align: center;">Meeting (Microsoft Teams) link:</p> <p style="text-align: center;"><a href="https://teams.microsoft.com/l/meetup-join/19%3amPBDD53EV3wKlmcacIBek3E8VOizUcoSulcyyJbPeRl1%40thread.tacv2/1623142911495?context=%7b%22Tid%22%3a%22da8fc107-2de1-436a-a756-dd42714c58a9%22%2c%22Oid%22%3a%2254f76543-e587-44d0-bda6-fb3638825875%22%7d">https://teams.microsoft.com/l/meetup-join/19%3amPBDD53EV3wKlmcacIBek3E8VOizUcoSulcyyJbPeRl1%40thread.tacv2/1623142911495?context=%7b%22Tid%22%3a%22da8fc107-2de1-436a-a756-dd42714c58a9%22%2c%22Oid%22%3a%2254f76543-e587-44d0-bda6-fb3638825875%22%7d</a></p>
<p>10:00-11:00</p>	<p style="text-align: center;">SECTION 5. 7- FOOD ENGINEERING NOHU-Chair: Zeliha Yıldırım</p> <p style="text-align: center;">Meeting (Microsoft Teams) link:</p> <p style="text-align: center;"><a href="https://teams.microsoft.com/l/meetup-join/19%3amPBDD53EV3wKlmcacIBek3E8VOizUcoSulcyyJbPeRl1%40thread.tacv2/1623518028462?context=%7b%22Tid%22%3a%22da8fc107-2de1-436a-a756-dd42714c58a9%22%2c%22Oid%22%3a%2254f76543-e587-44d0-bda6-fb3638825875%22%7d">https://teams.microsoft.com/l/meetup-join/19%3amPBDD53EV3wKlmcacIBek3E8VOizUcoSulcyyJbPeRl1%40thread.tacv2/1623518028462?context=%7b%22Tid%22%3a%22da8fc107-2de1-436a-a756-dd42714c58a9%22%2c%22Oid%22%3a%2254f76543-e587-44d0-bda6-fb3638825875%22%7d</a></p>
<p>10:00-11:00</p>	<p style="text-align: center;">SECTION 5.8- GEOLOGICAL, GEOMATICS AND MINING ENGINEERING NOHU-Chair:Kutalmış Gümüş</p> <p style="text-align: center;">Meeting (Microsoft Teams) link:</p> <p style="text-align: center;"><a href="https://teams.microsoft.com/l/meetup-join/19%3a9PlzH0iqJDUpZVNi2VIBvA58gkLM__yil4LTdyYB7VU1%40thread.tacv2/1623518300634?context=%7b%22Tid%22%3a%22da8fc107-2de1-436a-a756-dd42714c58a9%22%2c%22Oid%22%3a%2254f76543-e587-44d0-bda6-fb3638825875%22%7d">https://teams.microsoft.com/l/meetup-join/19%3a9PlzH0iqJDUpZVNi2VIBvA58gkLM__yil4LTdyYB7VU1%40thread.tacv2/1623518300634?context=%7b%22Tid%22%3a%22da8fc107-2de1-436a-a756-dd42714c58a9%22%2c%22Oid%22%3a%2254f76543-e587-44d0-bda6-fb3638825875%22%7d</a></p>
<p>10:00-11:00</p>	<p style="text-align: center;">SECTION 5.9-MECHANICAL, METALLURGICAL, AND MATERIALS ENGINEERING NOHU-Chair: Bora Timurkutluk</p> <p style="text-align: center;">Meeting (Microsoft Teams) link:</p> <p style="text-align: center;"><a href="https://teams.microsoft.com/l/meetup-join/19%3aaankjOt3eUvjAV2cVD3IDvZm66d-KYOhixxdjJHjPrg1%40thread.tacv2/1623518425842?context=%7b%22Tid%22%3a%22da8fc107-2de1-436a-a756-dd42714c58a9%22%2c%22Oid%22%3a%2254f76543-e587-44d0-bda6-fb3638825875%22%7d">https://teams.microsoft.com/l/meetup-join/19%3aaankjOt3eUvjAV2cVD3IDvZm66d-KYOhixxdjJHjPrg1%40thread.tacv2/1623518425842?context=%7b%22Tid%22%3a%22da8fc107-2de1-436a-a756-dd42714c58a9%22%2c%22Oid%22%3a%2254f76543-e587-44d0-bda6-fb3638825875%22%7d</a></p>
<p>10:00-11:00</p>	<p style="text-align: center;">SECTION 5.10- PHYSICS-MATHEMATICS NOHU-Chair: Sefa Ertürk</p> <p style="text-align: center;">Meeting (Microsoft Teams) link:</p> <p style="text-align: center;"><a href="https://teams.microsoft.com/l/meetup-join/19%3aZyuzgUDv20dJ9-Oypq4bbTAIBey1NRftcxqFuqlZbak1%40thread.tacv2/1623518609738?context=%7b%22Tid%22%3a%22da8fc107-2de1-436a-a756-dd42714c58a9%22%2c%22Oid%22%3a%2254f76543-e587-44d0-bda6-fb3638825875%22%7d">https://teams.microsoft.com/l/meetup-join/19%3aZyuzgUDv20dJ9-Oypq4bbTAIBey1NRftcxqFuqlZbak1%40thread.tacv2/1623518609738?context=%7b%22Tid%22%3a%22da8fc107-2de1-436a-a756-dd42714c58a9%22%2c%22Oid%22%3a%2254f76543-e587-44d0-bda6-fb3638825875%22%7d</a></p>