

GPSS 2021 SCIENTIFIC PROGRAM

Indicated times are in GMT+3 timezone.

| SEPTEMBER 8, 2021 Wednesday | |
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| 09:00-09:30 | Opening remarks |
| SESSION-I | Chairperson: Prof. Dr. İlkyay Erdoğan Orhan |
| 09:30-10:05 | L1 Prof. Dr. Derya Unutmaz, USA <i>"Antibody responses to SARS-CoV-2 after infection or vaccination in children and young adults with inflammatory bowel disease"</i> |
| 10:05-10:40 | L2 Assoc. Prof. Urartu Özgür Şafak Şeker, Turkey <i>"Living Therapeutics: The Medicine of Future"</i> |
| 10:40-11:15 | L3 Prof. Dr. Horacio Perez-Sanchez, Spain <i>"Big Data and Artificial Intelligence based Startups for the discovery of bioactive compounds"</i> |
| 11:15-11:50 | L4 Prof. Dr. Zeliha Selamoğlu, Turkey <i>"The Cellular Energy Molecule NAD + : An Antiaging Agent"</i> |
| 11:50-12:25 | L5 Prof. Dr. Mohammad Abdollahi, Iran <i>"Epigenetic toxicity: Danger to The Future Life"</i> |
| 12:25-13:30 | LUNCH |
| SESSION-II | Chairperson: Prof. Dr. Füsün Acartürk |
| 13:30-14:05 | L6 Prof. Dr. Erem Bilensoy, Turkey <i>"Applications of printing technologies in pharmaceutical research and drug delivery"</i> |
| 14:05-14:40 | L7 Prof. Dr. Murat Elçin, Turkey <i>"Three-Dimensional Bioprinting in Regenerative Medicine and Personalized Medicine"</i> |
| 14:40-15:15 | L8 Dr. Daewoo Han, USA <i>"Novel electrospun nanostructure and approaches for versatile controlled drug delivery"</i> |
| | Chairperson: Prof. Dr. Sevgi Takka |
| 15:15-15:22 | O1 Sıla Gülbağ Pınar <i>"The effects of a new cyclosporine a nanosuspension on nephrotoxicity after oral administration: HK-2 cell culture and in vivo histopathological evaluation"</i> |
| 15:22-15:29 | O2 Hasan Akbaba <i>"RVG-modified targeted gene therapy for Alzheimer's diseases"</i> |
| 15:29-15:36 | O3 Gulsah Erel-Akbaba <i>"Nucleic acid loaded extracellular vesicles for targeting brain diseases"</i> |
| 15:36-15:43 | O4 Gözde Ultav <i>"Evaluation and characterization of folic acid modified silica nanoparticles as siRNA carriers"</i> |
| 15:43-15:50 | O5 Nazlı Erdoğan <i>"Evaluation of nanotechnology-based drug delivery system and monoclonal antibody for synergistic lymphoma therapy"</i> |
| 15:50-15:55 | Discussion part of SESSION II |
| 15:55-16:10 | COFFEE BREAK |

| SESSION-III | | Chairperson: Prof. Dr. Bensu Karahalil |
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| 16.10-16.45 | L9 Prof. Dr. Lang Tran, UK <i>"Smart Biomaterials and Dementia"</i> | |
| 16:45-17:20 | L10 Assoc. Prof. Nadja C. de Souza-Punto, Brazil <i>"DNA repair defects in brains from Alzheimer's disease subjects result in mitochondrial DNA depletion but not mutation accumulation"</i> | |
| 17:20-17:55 | L11 Prof. Dr. Vilhelm Bohr, USA <i>"DNA damage and mitochondrial dysfunction in neurodegeneration and aging. Intervention with NAD supplementation"</i> | |
| 17:55-18:30 | L12 Prof. Dr. Hilmi Orhan, Turkey <i>"Mitochondrial biotransformations of drugs&chemicals and toxicological relevance"</i> | |
| 18:30-18:45 | COFFEE BREAK | |
| SESSION-IV | | Chairperson: Prof. Dr. Erden Banoğlu |
| 18:45-19:20 | L13 Assoc. Prof. Dr. Özgür Şahin, USA <i>"From mechanism of resistance to drug discovery"</i> | |
| 19:20-19:55 | L14 Prof. Dr. Fuming Zhang, USA <i>"Research Progress on Heparin and its Biomedical Applications"</i> | |
| 19:55-20:30 | L15 Dr. Nihal Tuğcu, USA <i>"Integrated and Continuous Biomanufacturing (ICB): Technical, quality and regulatory opportunities"</i> | |

| SEPTEMBER 9, 2021 Thursday | |
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| SESSION-V | |
| Oral presentations | |
| Chairperson: Assist. Prof. Dr. Emel Çalışkan Can | |
| 08:30-08:37 | O6 Sallahuddin Panhwar <i>"Novel method for detection of Escherichia coli using smart disposable electrode from drinking water"</i> |
| 08:37-08:44 | O7 Eda Büker <i>"A simple UV spectrophotometric approach for monitoring favipiravir-COVID19 binding"</i> |
| 08:44-08:51 | O8 Hasan İlhan <i>"SERS based on a disposable gold-cellulose nanofibril substrate for detection of E.coli"</i> |
| 08:51-08:58 | O9 Çiğdem Kanbeş Dindar <i>"A molecularly imprinted electrochemical sensor for selective detection of COVID-19 drug-favipiravir in biological samples"</i> |
| 08:58-09:05 | O10 Şükran Öztürk <i>Determination of cultivated bacteria in Inonu cave excavation soil samples: First step"</i> |
| 09:05-09:12 | O11 Yalçın Erzurumlu <i>"STF-083010 mediated targeting of inositol-requiring enzyme-1α/x-box binding protein-1 strongly reduced the tumorigenic abilities of prostate cancer cells"</i> |
| 09:12-09:19 | O12 Hikmet Taner Teker <i>"Evaluation the effects of phenylbutyric acid on obesity induced hypothalamic vascular integrity changes"</i> |
| 09:19-09:25 | Discussion part of SESSION V (Part 1) |

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| Chairperson: Prof. Dr. Zeynep Şafak Teksin | |
| 09:25-09:32 | O13 Selin Seda Timur <i>"Self-emulsifying drug delivery systems for antiviral therapy"</i> |
| 09:32-09:39 | O14 Mehmet Birer <i>"Fabrication and characterization of methylprednisolone-loaded colon-specific 3D-printed drug delivery systems"</i> |
| 09:39-09:46 | O15 Cennet Duran <i>"Fabrication of 3D printable filaments using pharmaceutical polymers with high glass transition temperature"</i> |
| 09:46-09:53 | O16 Juste Baranauskaite Ortasöz <i>"Development and evaluation of Ginkgo biloba L. extract loaded into sodium alginate/polyvinylpyrrolidone fast dissolving sublingual films"</i> |
| 09:53-10:00 | O17 Özge Eşim <i>"Design and investigation of cytotoxic effect of ciprofloxacin HCl-loaded lipid-polymer hybrid nanoparticle formulations"</i> |
| 10:00-10:07 | O18 Zeynep Ülkü Gün <i>"Evaluation of clinical pharmacy services in pediatric nephrology service"</i> |
| 10:07-10:14 | O19 Aslınur Albayrak <i>"The role of the clinical pharmacist in the evaluation of drug-related problems in the intensive care unit of a university hospital in Turkey"</i> |
| 10:14-10:20 | Discussion part of SESSION V (Part 2) |
| 10:20-10:40 | COFFEE BREAK |
| SESSION-VI | Chairperson: Prof. Dr. Uğur Tamer |
| 10:40-11:15 | L16 Assoc. Prof. Ayşegül Yıldız, Turkey <i>"Speedy/RINGO: A versatile protein as a potent therapeutic candidate for neurodegenerative diseases"</i> |
| 11:15-11:50 | L17 Prof. Dr. Antonia Sagona, UK <i>"The use of bacteriophages for detection of infection"</i> |
| 11:50-12:25 | L18 Prof. Dr Jerome Charmet, UK <i>"Multiscale Liquid Biopsy"</i> |
| 12:25-13:30 | LUNCH |
| SESSION-VII: Phytochemical Society of Europe (PSE) Session Chairperson: Prof. Dr. Franz Bucar, Assoc. Prof. Krystyna Skalicka-Wozniak | |
| 13:30-14:05 | L19 Prof. Dr. Franz Bucar, Austria <i>"Medicinal plants for preventing campylobacter infections"</i> |
| 14:05-14:40 | L20 Prof. Dr. Günther K. Bonn, Austria <i>"New Analytical Methods and Strategies for Natural Product Research – Applications in Phytomedicine, Phytocosmetics and Phytonutrition"</i> |
| 14:40-15:15 | L21 Prof. Dr. Francesco Epifano, Italy <i>"Recent updates on the phytochemistry and pharmacology of oxyprenylated secondary metabolites"</i> |
| 15:15-15:50 | L22 Assoc. Prof. Krystyna Skalicka-Wozniak, Poland <i>"Isolation and neuropharmacological activity of natural products: Defining meaningful workflows"</i> |
| 15:50-16:15 | COFFEE BREAK |

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| SESSION-VIII | |
| Chairperson: Prof. Dr. Mustafa Aslan | |
| 16:15-16:50 | L23 Prof. Dr. Hugo De Boer, Norway <i>"DNA metabarcoding in herbal product authentication—where are we today?"</i> |
| 16:50-17:25 | L24 Prof. Dr. Jianbo Xiao, Spain <i>"Stability of quercetin in cell culture"</i> |
| 17:25-18:00 | L25 Prof. Dr. Young Jik Kwon, USA <i>"Engineered polysaccharide nanoparticles to fight against drug-resistant pathogens"</i> |
| 18:00-18:20 | COFFEE BREAK |
| SESSION-IX | |
| Chairperson: Assoc. Prof. Dr. Aysel Berkkan | |
| 18:20-18:55 | L26 Prof. Dr. Janet P. Engle, USA <i>"Quality assurance and the role of accreditation standards in virtual pharmacy education"</i> |
| 18:55-19:30 | L27 Assoc. Prof. Hale Z. Toklu, USA <i>"Mentor-Mentee Relationship: A Win-Win Contract In Medical Education"</i> |
| 19:30-20:05 | L28 Prof. Dr. Yahya Choonara, South Africa <i>"Online Learning: A Needs-Based Pharmacy Education in the 21st Century"</i> |
| 20:05-20:45 | DINNER |
| SESSION-X | |
| Poster session | |
| Chairperson: Prof. Dr. Ela Kadioğlu | |
| 20:45-20:48 | P1 Bensu Karahalil <i>"Pharmacist's knowledge and behaviors toward pharmacovigilance and adverse drug reactions reporting process in Turkey"</i> |
| 20:48-20:51 | P2 Zeynep Ağlamış <i>"Determination of the effects of endocrine disruptors on steroidogenesis by hormone analysis"</i> |
| 20:51-20:54 | P3 Göksun Demirel <i>"Possible effects of hexahydroquinoline derivatives on cytotoxicity and intracellular ROS production in HEPG2 cell line"</i> |
| 20:54-20:57 | P4 Elif Ince Ergüç <i>"In vitro evaluation of therapeutical potential of 5-fluoro indole derivatives in estrogen-mediated mechanisms of breast carcinogenesis"</i> |
| 20:57-21:00 | P5 Burak Demirhan <i>"Investigation of some contaminants in baby foods"</i> |
| 21:00-21:03 | P6 Bitia Entezari <i>"Evaluation of cytotoxic effects and therapeutical potential of novel 3,3'-diindolylmethane derivatives on breast cancer cells"</i> |
| 21:03-21:06 | P7 Ceren Bozmaoğlu <i>"Effect of young blood plasma on age-related changes in intestinal gene expressions for middle-aged rats"</i> |
| 21:06-21:10 | Discussion part of SESSION X (Part 1) |

| Chairperson: Assist. Prof. Dr. Serdar Tort | |
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| 21:10-21:13 | P8 Naçize Gökçe <i>"Determination of pharmaceutical care needs of COVID-19 patients in the 1st wave of pandemic"</i> |
| 21:13-21:16 | P9 Beyza Torun <i>"Evaluation of a clinical decision support system for the determination of inappropriate drug use in elderly at community pharmacy setting-preliminary report"</i> |
| 21:16-21:19 | P10 Pınar Nur Demirci <i>"Evaluation of knowledge levels and attitudes of women using oral contraceptives: Pharmacist perspective"</i> |
| 21:19-21:22 | P11 Beyza Tütüncü <i>"Investigation of the anxiety and knowledge levels of individuals: The role of pharmacist"</i> |
| 21:22-21:25 | P12 Enes Zeybek <i>"Determination of the knowledge level of pharmacists about Alzheimer Disease"</i> |
| 21:25-21:28 | P13 Songül Tezcan <i>"Knowledge and attitudes of community pharmacists about drug use in pregnancy"</i> |
| 21:28-21:31 | P14 Songül Tezcan <i>"Evaluation of drug-drug interactions in elderly patients with chronic disease"</i> |
| 21:31-21:35 | Discussion part of SESSION X (Part 2) |

| SEPTEMBER 10, 2021 Friday | |
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| SESSION-XI Poster session | |
| Chairperson: Assoc. Prof. Aysun Özdemir | |
| 09:00-09:03 | P15 Dilara Çalışkan <i>"Investigation of biofilm forming ability in Escherichia coli isolates isolated from children's park"</i> |
| 09:03-09:06 | P16 Gökalp Çetin <i>"The effects of new substituted hexahydroquinoline derivatives on cytotoxicity, intracellular oxidation and inflammation mediators in human hepatoma cell line"</i> |
| 09:06-09:09 | P17 Ceren Güney <i>"The association between ANGPTL8 and PI3K-MTOR-PPAR expressions in adipose tissue of high-fructose-fed rats: the modulatory effect of kefir"</i> |
| 09:09-09:12 | P18 Nesime İnci Güner <i>"Investigation of antidepressant-like efficiency of tangeretin and related mechanisms"</i> |
| 09:12-09:15 | P19 Nur Banu Bal <i>"The effect of resveratrol and regular exercise on the cardiac oxidative stress and adrenergic responses in the hypertension"</i> |
| 09:15-09:18 | P20 Esin Kargıoğlu <i>"A potential senotherapeutic drug: theophylline restores the doxorubicin-induced senescent cell morphology in A549 cells"</i> |
| 09:18-09:21 | P21 Feyza Alyu <i>"Chlorogenic acid alters potassium conductance in dorsal root ganglion neurons"</i> |
| 09:21-09:27 | Discussion part of SESSION XI |

| SESSION-XII Oral presentations | |
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| Chairperson: Prof. Dr. Ufuk Koca Çalışkan | |
| 09:35-09:42 | O20 N. Yağmur Diker <i>"Evaluation of secondary metabolite profiling in five Ulmus species with untargeted metaolomics study"</i> |
| 09:42-09:49 | O21 Tuğçe Dikpınar <i>"LC-MS/MS analysis and biological activities of endemic Achillea sieheana stapf from Turkey"</i> |
| 09:49-09:56 | O22 Çiğdem Kahraman <i>"Acetylcholinesterase inhibitory potential and metabolic profile of Bolboschoenus maritimus (L.) palla"</i> |
| 09:56-10:03 | O23 Gökşen Dilşat Durbilmez <i>" Isolation of silk protein and synthesis/characterization of hybrid nanoflowers"</i> |
| 10:03-10:10 | O24 Semih Bulut <i>"The problem of pyrrolizidine alkaloid in herbal tea used in children's gas pain"</i> |
| 10:10-10:17 | O25 Burak Temiz <i>"Evaluation of radical scavenging activity and tyrosinase inhibition of some Citrus species cultivated in Turkey via spectrophotometric methods and HPTLC-effect directed analysis"</i> |
| 10:17-10:24 | O26 Şüheda Rumeysa Osmanlioğlu Dağ <i>"Composition and antimicrobial activity of the essential oils of five different Artemisia L. Species"</i> |
| 10:24-10:31 | O27 Zekiye Ceren Arituluk <i>"Neuroprotective effects of selected Salvia species from Turkey in paraquat-induced Parkinson's disease Drosophila model"</i> |
| 10:31-10:38 | O28 Joanna Kowalczyk <i>"Scoparone – a compound of liquors containing Artemisia species influence on emotional state evaluated in Swiss mice"</i> |
| 10:38-10:45 | O29 Tuğbanur Tüysüz <i>"In vivo and in vitro anti-Inflammatory potentials of Abies cilicica (Ant. & Kotschy) Carr. subsp. Isaurica Coode & Cullen essential oil: a potential active pharmaceutical ingredient (Api) for topical drug delivery systems"</i> |
| 10:45-10:50 | Discussion part of SESSION XII (Part 1) |
| Chairperson: Prof. Dr. Gonca Çakmak | |
| 10:50-10:57 | O30 Esra Şumlu <i>"Dietary fructose and kefir supplementation change the composition of fecal microbiota in the rats"</i> |
| 10:57-11:04 | O31 Sahika Guner <i>"The comparison of vascular endothelial and smooth muscle cells co-culturing in hydrogel-base and bio-printing 3D-cell-culture systems"</i> |
| 11:04-11:11 | O32 Nur Banu Bal <i>"The effect of 4-phenylbutyric acid on the hypertension induced cardiac stress responses"</i> |
| 11:11-11:18 | O33 Seçkin Engin <i>"Trimetazidine attenuates cyclophosphamide-induced cystitis in mice by inhibiting TLR4/NFκB signaling pathway"</i> |
| 11:18-11:25 | O34 Roger Ortiz-Climent <i>"Paraoxonase 1 status in psychiatric patients treated with psychotropic drugs"</i> |

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| 11:25-11:32 | O35 Alev Tascioglu Aliyev <i>"Targeting estrogen related pathways against breast cancer"</i> |
| 11:32-11:39 | O36 Kevser Taban Akça <i>"Cytotoxic activity and phytochemical analysis of Lecokia cretica (Lam.) DC."</i> |
| 11:39-11:46 | O37 Etil Güzelmeriç <i>"Comparative evaluation on the chemical compositions, antioxidant, anti-inflammatory and analgesic activities of Cistus creticus, C. salviifolius and C. laurifolius hydroalcoholic extracts"</i> |
| 11:46-11:53 | O38 Hande Yüce <i>"Evaluation of dose-dependent effects of some natural compounds on breast cancer cell lines"</i> |
| 11:53-12:00 | Discussion part of SESSION XII (Part 2) |
| 12:00-12:15 | COFFEE BREAK |
| SESSION-XIII | Chairperson: Assoc. Prof. Burak Demirhan |
| 12:15-12:50 | L29 Prof. Dr. Kezban Candoğan, Turkey <i>"Developing Functional Meat Based Formulations for Dysphagic Individuals Using 3D Food Printing"</i> |
| 12:50-13:25 | L30 DVM Naziru Tuferu, UK <i>"Understanding and safe guarding the integrity of halal food for the consumer"</i> |
| 13:25-14:20 | LUNCH |
| SESSION-XIV | Chairperson: Prof. Dr. Sultan Baytaş |
| 14:20-14:27 | O39 Joseph M. Hayes <i>"Computational design and in vitro validation of potent glycogen phosphorylase inhibitors"</i> |
| 14:27-14:34 | O40 Tugce Gur Maz <i>"2(3H)-Benzoxazolone derivatives as potential fatty acid amide hydrolase (FAAH) inhibitors"</i> |
| 14:34-14:41 | O41 Abdurrahman Olgac <i>"Computational insights into the binding pattern of microsomal prostaglandin E-2 synthase type 1 inhibitors"</i> |
| 14:41-14:48 | O42 Demokrat Nuha <i>"Synthesis of novel thiazole derivatives as 6-aminopenicillanic acid mimics and evaluation their antimicrobial activity"</i> |
| 14:48-14:55 | O43 Ebru Didem Coşar <i>"Synthesis of novel hydrazinecarbothioamide derivatives containing naphthalene ring and anticancer studies"</i> |
| 14:55-15:02 | O44 Muhammed Ihsan Han <i>"Synthesis and antimicrobial evaluation of new naproxen 1,2,4-triazole-thiosemicarbazide hybride derivatives"</i> |
| 15:02-15:10 | Discussion part of SESSION XIV |
| 15:10-15:30 | COFFEE BREAK |
| SESSION-XV | Poster session |
| Chairperson: Assoc. Prof. Fatma Nur Tuğcu Demiröz | |
| 15:30-15:33 | P22 Ceyda Tuba Sengel-Turk <i>"Application of design of experiment approach for optimization of piroxicam loaded polymeric based nanocarriers"</i> |
| 15:33-15:36 | P23 Zeliha Duygu Özdal <i>"Preparation and evaluation ondansetron HCl loaded polymeric nanoparticles"</i> |

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| 15:36-15:39 | P24 Ayça Güngör Ak <i>"Evaluation of the analgesic activity of berberine phytosome"</i> |
| 15:39-15:42 | P25 Alper Kan <i>"Development of risk analysis based formulation in the development of generic oncology drug mitomycin 20 mg powder for solution for injection/infusion"</i> |
| 15:42-15:45 | P26 Bülent Samancı <i>"In vitro release study of polyphenolic compound for dermal drug delivery"</i> |
| 15:45-15:48 | P27 Kenan Can Tok <i>"Optimization of LC method for the determination of fluticasone propionate from drug delivery systems"</i> |
| 15:48-15:51 | P28 Sinan Özer <i>"Phase solubility studies, preparation and characterization of inclusion complexes of butoconazole nitrate with α-cd and hp-α-cd"</i> |
| 15:51-15:54 | P29 Gülsel Yurtdaş Kırımlioğlu <i>"Preparation and characterization of inclusion complexes of antifungal drug isoconazole nitrate with β-cd obtained by freeze-drying and spray drying methods"</i> |
| 15:54-15:57 | P30 Gülsel Yurtdaş Kırımlioğlu <i>"Development and in vitro characterization of pegylated PLGA nanoparticles encapsulating oseltamivir phosphate as an anticancer drug carrier system"</i> |
| 15:57-16:00 | P31 Tuğçe Turan <i>"Preparation of chitosan tripolyphosphate and chitosan sulfobutyl-ether-β-cyclodextrin nanoparticles for oral insulin delivery"</i> |
| 16:00-16:05 | Discussion part of SESSION XV (Part 1) |
| Chairperson: Assoc. Prof. Sibel İlbasmış Tamer | |
| 16:05-16:08 | P32 Burcu Timur <i>"Development of in vitro lipolysis-permeation method to estimate oral absorption of exemestane-loaded lipid-based formulation"</i> |
| 16:08-16:11 | P33 Özge İnal <i>"A new perspective for dexpanthenol orally disintegrating films through design of experiment approach"</i> |
| 16:11-16:14 | P34 Seval Olğaç <i>"Comparison of tablet splitting techniques for dosing accuracy of nebivolol tablets: hand splitting versus tablet cutter and knife"</i> |
| 16:14-16:17 | P35 Duygu Yılmaz Usta <i>"Development and validated of UV spectrophotometric and HPLC method of bosentan monohydrate for in vitro and ex-vivo samples"</i> |
| 16:17-16:20 | P36 Seval Olğaç <i>"Structure-guided selection of suitable nanoemulsion formulation components for a recombinant form of human interleukin-2 (aldesleukin)"</i> |
| 16:20-16:23 | P37 Duygu Yılmaz Usta <i>"Modeling and comparison of in vitro dissolution profiles of bosentan monohydrate: commercial tablet vs s-snedds tablet"</i> |
| 16:23-16:26 | P38 Zeynep Şafak Teksin <i>"Solid-state characterization studies of bosentan-loaded solid self-nanoemulsifying drug delivery system (s-snedds) comprising of Neusilin® US2"</i> |
| 16:26-16:29 | P39 Burcu Timur <i>"In vitro characterization of exemestane-loaded self-nanoemulsifying drug delivery system containing medium chain mono and diglycerides"</i> |

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| 16:29-16:32 | P40 Emre Tunçel <i>"Evaluation and fabrication of dissolving PVA-diclofenac sodium microneedles"</i> |
| 16:32-16:35 | P41 H. Hande Aydın <i>"Preformulation studies of tofacitinib citrate loaded microspheres intended for intra-articular administration"</i> |
| 16:35-16:40 | Discussion part of SESSION XV (Part 2) |
| Chairperson: Assoc. Prof. Dr. Perihan Gürbüz | |
| 16:40-16:43 | P42 Görkem Tanrıover <i>"Determination pyrrolizidine alkaloids in herbal teas for lactating women"</i> |
| 16:43-16:46 | P43 Kevser Ayçiçek <i>"Phytochemical and biological activity investigations on Hypericum sechmenii Ocak&O. Koyuncu"</i> |
| 16:46-16:49 | P44 Mustafa Oksuz <i>"Investigation of biological activity of Thymus kotschyanus and Thymus kotschyanus var. glabrescens and quantitative determination of active compounds by HPLC-DAD"</i> |
| 16:49-16:52 | P45 Süleyman Yur <i>"Phenolic profile, minerals and antioxidant capacity determination of olive leaf and seeds according to different extraction techniques"</i> |
| 16:52-16:55 | P46 Dudu Altıntaş <i>"Phytochemical and biological activity investigations on Heptaptera triquetra"</i> |
| 16:55-16:58 | P47 Damla Kırıcı <i>"Time dependet microbial transformation of hesperidin by Aspergillus niger"</i> |
| 16:58-17:01 | P48 Fatma Sezer Senol Deniz <i>"Development of plant-based dermocosmetic products using efficacy and safety tests with 2D/3D cell culture methods"</i> |
| 17:01-17:04 | P49 Damla Kırıcı <i>"Microbial transformation of quercetin by 25 different microorganisms"</i> |
| 17:04-17:07 | P50 Merve Atay <i>"LC-Q-TOF-MS Quantification of ginkgotoxin of Gingko biloba L. –containing dietary supplements sold in Turkey and in the plant sample naturalized in Turkey"</i> |
| 17:07-17:10 | P51 Mizgin Ermanoglu <i>"Investigation of antioxidant activity of different extracts from Achillea gonioccephala"</i> |
| 17:10-17:15 | Discussion part of SESSION XV (Part 3) |
| Chairperson: Prof. Dr. Burcu Çalışkan | |
| 17:15-17:18 | P52 Selen Gozde Kaya <i>"SIRT2 inhibitory activities of N-aryloxyphenyl-2-(arylthio)acetamide derivatives"</i> |
| 17:18-17:21 | P53 Ahmet Bugra Aksel <i>"N-(5-arylmethyl-1,3,4-oxadiazole-2-yl)-2-(arylthio)acetamide as a new scaffold for developing small-molecule SIRT inhibitors"</i> |
| 17:21-17:24 | P54 Mahmut Gozelle <i>"Discovery of 5-benzyl-1,3,4-oxadiazole/thiadiazole-2-carboxamides as potential leads for selective SIRT2 inhibition"</i> |
| 17:24-17:27 | P55 Ayca Dedeoglu Erdogan <i>"Some new 2,5-disubstituted 1,3,4-oxadiazole and and 3,6-disubstituted-7H-1,2,4-triazolo[3,4-b][1,3,4]thiadiazine derivatives with in vitro anti-inflammatory activity"</i> |

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| 17:27-17:30 | P56 Jülide Cansu Karakoç <i>"Synthesis and in vitro anti-inflammatory activity of some new 1,3,4-oxadiazole derivatives"</i> |
| 17:30-17:33 | P57 Gülnur Arslan <i>"Microwave synthesis of benzothiazolone-2(3H)-3-acetyl-2-(substitue/nonsubstitueindol or pyridine)hydrazone derivatives"</i> |
| 17:33-17:36 | P58 Sultan Nacak Baytas <i>"The first preparation of bioengineered low molecular weight heparin from a remodeled bovine intestinal heparin"</i> |
| 17:36-17:39 | P59 Sümeyye Turanlı <i>"Novel piperazinyl urea derivatives as potential fatty acid amide hydrolase (FAAH) inhibitors"</i> |
| 17:39-17:42 | P60 Gökalp Çetin <i>"A new point of view for biological activities of new substituted hexahydroquinolines"</i> |
| 17:42-17:45 | P61 Rahime Şimşek <i>"Synthesis, characterization, crystal structure and DFT analysis of benzyl 4-[2-fluoro-4-(trifluoromethyl)phenyl]-2,6,6-trimethyl-1,4,5,6,7,8-hexahydroquinoline-3-carboxylate"</i> |
| 17:45-17:50 | Discussion part of SESSION XV (Part 4) |
| 17:50-18:10 | COFFEE BREAK |
| Chairperson: Assoc. Prof. Tuba Inceçayır | |
| 18:10-18:13 | P62 Aysel Yılmaz <i>"The antimicrobial effect of r-limonene nanoemulsion on enterococcus faecalis"</i> |
| 18:13-18:16 | P63 Cennet Duran <i>"Evaluation of the effect of infill density and tablet geometry on disintegration of 3D printed tablets"</i> |
| 18:16-18:19 | P64 Ayşegül Yıldız <i>"Optimization and validation of silk fibroin production process"</i> |
| 18:19-18:22 | P65 Mahmut Ozan Toksoy <i>"Nasal permeability studies of rasagiline mesylate loaded solid lipid nanoparticles in a thermoreversible mucoadhesive gel"</i> |
| 18:22-18:25 | P66 Özlem Çulcu <i>"Optimizing cryoprotectant type and ratio for lyophilization of nanosuspensions"</i> |
| 18:25-18:28 | P67 Sevgi Tektaş <i>"Design and in vitro characterization of in situ forming controlled release implants of a narcotic antagonist drug"</i> |
| 18:28-18:31 | P68 Emre Yalçın <i>"Development, characterization and in vitro evaluation of nanoemulsion containing megestrol acetate"</i> |
| 18:31-18:34 | P69 Nebahat Durmaz <i>"Studies on formulation optimisation of hyaluronic acid coated chitosan nanoparticles loaded with hydrocortisone acetate"</i> |
| 18:34-18:37 | P70 Beril Taş <i>"Validation of an HPLC method for the determination of talazoparib from nanoparticle formulations"</i> |

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| 18:37-18:40 | P71 Eylül Su Saral Acarca <i>"Development and characterization of electrospun nanofibers containing rutin and copper nanoparticles"</i> |
| 18:40-18:45 | Discussion part of SESSION XV (Part 5) |
| Chairperson: Asst. Prof. N. Başaran Mutlu Ağardan | |
| 18:45-18:48 | P72 Güler Keskin <i>"Development and characterization of voriconazole loaded organogel formulations for vaginal delivery"</i> |
| 18:48-18:51 | P73 Şeyma Adatepe <i>"Investigation of various critical process and formulation parameters of nanosuspensions including indomethacin"</i> |
| 18:51-18:54 | P74 Emine Saldamlı <i>"Vitamin D-loaded poly(l-lactic acid) nanoparticulate implants improves osseointegration"</i> |
| 18:54-18:57 | P75 Esra Kodan <i>"In vitro release and ex vivo penetration studies of bigel systems containing ciclopirox"</i> |
| 18:57-19:00 | P76 Dilara Şahin <i>"Preparation, optimization, and in-vitro evaluation of naringenin loaded microemulsion formulations for anti-aging purposes"</i> |
| 19:00-19:03 | P77 Sinem Saar <i>"Development and optimization of electrospun PVA nanofibers for vaginal drug delivery using design of experiment method"</i> |
| 19:03-19:06 | P78 Deniz Onan <i>"Development of controlled released quercetin microemulsion based gel system for topical application: An in vitro evaluation"</i> |
| 19:06-19:09 | P79 Esra Pezik <i>"Preparation of carbamazepine solid dispersions and determination of solubility"</i> |
| 19:09-19:12 | P80 Emine Yıldırım <i>"Development and characterization studies of hydrocortisone loaded Eudragit-based colon targeted nanofibers"</i> |
| 19:12-19:15 | P81 Esra Pezik <i>"Determination of the effects of different carriers on in vitro cytotoxicity of carbamazepine solid dispersions"</i> |
| 19:15-19:20 | Discussion part of SESSION XV (Part 6) |
| Chairperson: Assoc. Prof. Dr. Fatma Sezer Şenol Deniz | |
| 19:20-19:23 | P82 Hamid-Reza Adhami <i>"Development of authentication methods for Matricaria chamomilla collected from different geographic area of Iran"</i> |
| 19:23-19:26 | P83 Enes Tekman <i>"Antimicrobial activity of different parts of Colchicum speciosum steven (Colchicaceae)"</i> |
| 19:26-19:29 | P84 Tuğba Günbatan <i>"Chymotrypsin and urease inhibitory activities of some plants used as folk medicine in Duzce (Turkey)"</i> |
| 19:29-19:32 | P85 Joanna Kowalczyk <i>"Scoparone blood-brain-barrier penetration and endocannabinoids related mechanism underlying its activity"</i> |

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| 19:32-19:35 | P86 Bilge Aydın <i>"Antioxidant capacity and phenolic composition of Colchicum speciosum steven (Colchicaceae)"</i> |
| 19:35-19:38 | P87 Nurten Abacı <i>"Evaluation of acetylcholinesterase inhibitory and DPPH radical scavenging activity of Geranium and Erodium taxa from Turkey"</i> |
| 19:38-19:41 | P88 Tuğsen Doğru <i>"Evaluation of resveratrol content of some Polygonum L. species growing in Turkey"</i> |
| 19:41-19:44 | P89 Tuğbanur Tüysüz <i>"Phytochemical investigation of Eremostachys moluccelloides bunge"</i> |
| 19:44-19:47 | P90 Kübra Ögüt <i>"Biological activities of the extracts and essential oils of Scabiosa pseudograminifolia hub.- mor."</i> |
| 19:47-19:50 | P91 Duygu Sevim <i>"Studies on anticholinesterase and antioxidant effects of Turkish pistachio"</i> |
| 19:50-19:55 | Discussion part of SESSION XV (Part 7) |
| Chairperson: Assist. Prof. Dr. Etil Güzelmeriç | |
| 19:55-19:58 | P92 Ayşenur Karademir <i>"Phytochemical and bioactivity studies on Nepeta congesta Fisch. & Mey. var. congesta Fisch. & Mey."</i> |
| 19:58-20:01 | P93 Hamid-Reza Adhami <i>"Development of authentication methods for Glycyrrhiza glabra collected from different geographic area of Iran"</i> |
| 20:01-20:04 | P94 Buket Aksu <i>"History of medicine"</i> |
| 20:04-20:07 | P95 Suheda Rumeysa Osmanlioglu Dag <i>"Determination of artemisinin in five Artemisia L. species (Asteraceae) that grown in Turkey"</i> |
| 20:07-20:10 | P96 Burçin Özüpek <i>"Enzyme inhibitory effects and phytochemical studies of some medicinal plants cultivated in Turkey"</i> |
| 20:10-20:13 | P97 Perihan Gürbüz <i>"Chemical constituents of Pulicaria armena boiss. & Kotschy ex boiss. (Asteraceae); an endemic turkish species"</i> |
| 20:13-20:16 | P98 Hülya Tuba Kıyan <i>"Lavandula x intermedia Emeric ex Loisel essential oil-loaded topical cream suitable for dermacosmetic use: preparation, characterization, in vitro biological activity"</i> |
| 20:16-20:19 | P99 CANCELLED |
| 20:19-20:22 | P100 Buket Aksu <i>"The position of herbal drugs in compounding"</i> |
| 20:22-20:25 | P101 Hülya Tuba Kıyan <i>"Topical cream containing Ruta montana L. essential oil: preparation, characterization, in vitro and in vivo biological activity"</i> |
| 20:25-20:28 | P102 Sultan Pekacar <i>"Enzymes inhibitory of various metabolism diseases and phytochemical studies on Pistacia eurycarpa yalt."</i> |
| 20:28-20:35 | Discussion part of SESSION XV (Part 8) |

| Chairperson: Prof. Dr. Eda Şatana Kara | |
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| 20:35-20:38 | P103 Aysel Berkkan <i>"Determination of alcohols in beverages based on direct extraction by head space gas chromatography-flame ionisation detection"</i> |
| 20:38-20:41 | P104 Tuğba Nur Akbaba <i>"Method development for selenium nanoparticle determination and characterization using single particle inductively coupled plasma mass spectrometry"</i> |
| 20:41-20:44 | P105 Merve Yıldız <i>"Determination of rivastigmine by using molecularly imprinted solid-phase extraction"</i> |
| 20:44-20:47 | P106 Derya Ünal <i>"Analytical method validation of HPLC assay method for developing of a peptidomimetic generic drug containing icatibant 30 mg"</i> |
| 20:47-20:50 | P107 Mehmetcan Bilkay <i>"Synthesis of l-cysteine mediated copper nanoclusters as a turn-off fluorescent probe for the detection of indigotine"</i> |
| 20:50-20:53 | P108 Aysu Yurdasiper <i>"Validation of high performance liquid chromatographic method for the analysis of dry powder inhaler containing fluticasone propionate"</i> |
| 20:53-20:56 | P109 Tilbe Çevikelli <i>"Development and validation of a new HPLC-PDA method for determination of peptide DAPTA (d-ala-peptide t-amide)"</i> |
| 20:56-21:00 | Discussion part of SESSION XV (Part 9) |
| 21:00 | CLOSING REMARKS |

Lectures: 30 + 5 (Q&A) = 35 min

Oral presentations: 7 min

Poster presentations: 3 min