

**The Fifth International Symposium on Pharmaceutical
and Biomedical Sciences**

**ISPBS - 5
PROGRAM BOOK**

April 26th – 28th, 2019

Cappadocia, Turkey

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ISPBS – 5
ORAL PROGRAM

26 APRIL 2019, FRIDAY

10.00 – 12.00

REGISTRATION

13.30 – 14.00

OPENING CEREMONY

- **Opening Speeches**
Prof. Dr. Nazım ŞEKEROĞLU
Chair of ISPBS Symposiums
Prof. Dr. Masami OTSUKA
Co-chair of ISPBS-5 Symposium

- **Plaque Presentations**

14.00 – 14.30

Planery Lecturer: Prof. Dr. Çimen KARASU
Department of Medical Pharmacology, Faculty of Medicine, Gazi
University, Ankara – TURKEY
**Title: "NutriREDOX: Control of Osteoarthritis Pathogenesis by
Redox Active Compounds"**

14.30 – 14.50	<p>Invited Lecturer: Prof. Dr. Erden BANOĞLU Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Gazi University, Ankara – Turkey</p> <p>Title: "inhibition of Transforming Acidic Coiled-Coil Protein 3 (TACC3) by a Small Molecule inhibitor: A Novel therapeutic Strategy for the Treatment of Breast Cancer"</p>
15.00 – 15.20	COFFEE BREAK
SALON A / SESSION – I	
CHAIRPERSONS: İlkyay Erdoğan Orhan & Mikako Fujita	
15.20 – 15.40	<p>Invited Lecturer: Prof. Dr. Madalena M. M. PÍNTO Interdisciplinary Centre of Marine and Environmental Research (CIIMAR), Edifício do Terminal de Cruzeiros do Porto de Leixões, Av. General Norton de Matos s/n, 4050-208 Matosinhos – Portugal</p> <p>Title: "Chiral Xanthone Derivatives: Synthesis, Biological Activities and Analytical Applications "</p>
15.50 – 16.50	ORAL PRESENTATIONS
OP-1	<p><u>Masami Otsuka</u> Strategic Design of Drug Core Structure: A Bleomycin Spinout Story</p>
OP-2	<p><u>Belgin Sever, Mehlika Dilek Altıntop, Mohamed O. Radwan, Ahmet Özdemir, Masami Otsuka, Mikako Fujita, Halil I. Ciftci</u> A New Series of Morpholine-Based Thiazolyl-Pyrazolines as Dual EGFR and HER2 inhibitors</p>

<p>OP-3</p>	<p><u>Decha Kumla, Tida Dethoup, José Pereira, Joana Freitas-Silva, Paulo Costa, Nazim Sekeroglu, Madalena M. M. Pinto, Anake Kijjoa</u> Secondary Metabolites from the Culture of the Marine Sponge-associated Fungus <i>Penicillium erubescens</i> KUFA0220 and their Antibacterial Activity</p>
<p>OP-4</p>	<p><u>Natthida Weerapreeyakul, Boondaree Siriwarin</u> Mechanisms of anticancer action of sesamol in colorectal carcinoma HCT116 cells</p>
<p>OP-5</p>	<p><u>Thananya Nantarat, Wei-Chao Lin, Shang-Chian Lue, Sunee Chansakaow, Jakkapan Sirithunyalug, Pimporn Leelapornpisid</u> Comparison of Antioxidant, Anti-Mmp -2,-9 and Anti-Hyaluronidase Activity Between Extracts from Black and White Sesame Seed Cake (<i>Sesamum indicum</i> Linn.)</p>
<p>16.50– 17.00 COFFEE BREAK</p>	
<p>SALON B / SESSION – I</p>	
<p>CHAIRPERSONS: Natthida Weerapreeyakul & Ahmet Özdemir</p>	
<p>15.20 – 15.40</p>	<p>Invited Lecturer: Prof. Dr. Sandy van VUUREN Department of Pharmacy and Pharmacology, Faculty of Health Sciences, University of the Witwatersrand, Parktown – South Africa Title: "Searching for natural product antimicrobial leads: Lessons learnt from a southern African perspective"</p>

15.50 – 16.50	ORAL PRESENTATIONS
OP-6	<p><u>Marina Spînu, Mihaela Niculae, Elena andruța Mureșan, Nazım Şekeroğlu, Eموke Pall, Gheorghe Florinel Brudașcă, Monica Suătean, Constantin Cerbu, Aurel Vasiu, Carmen Dana Șandru</u></p> <p>Is the Antioxidant Capacity of Alcoholic Plant Extracts inducive of Dissimilar <i>in vitro</i> Immune Responses in Wild Versus Domestic Species?</p>
OP-7	<p><u>Hamdi Temel, Emine Baydan</u></p> <p>Investigation of Antioxidant, Anticholinesterase, Antityrosinase, Cytotoxic and Antibacterial Activities of New Boron-Containing Compounds Obtained from 3-Methoxy Catechol and Boronic Acid Derivatives</p>
OP-8	<p><u>Aurel Vasiu, Janos Nanasi, Mihaela Niculae, Elena andruța Mureșan, Brudașcă Gheorghe Florinel, Eموke Pall, Constantin Cerbu, Marina Spînu, Silvana Popescu, Carmen Dana Șandru</u></p> <p>Immunological and Anti-Stress influences of A Marigold Tea Treatment in Bovine</p>
OP-9	<p><u>Tavani Rocha Camargo, José Monserrat, Patricia Ramos, Emilie Dumas, Sâmı Ghnımi, Nour-Eddine Chıhib, Wagner Cotronı Valenti, Adem Gharsallaoui</u></p> <p>Discovery Biological Activity in the Discard of the Fishery Shrimp Trawl Fisheries</p>
OP-10	<p><u>Havva Atar, Hatice Çölgeçen</u></p> <p>Production of phytoestrogens in <i>Globularia trichosantha</i> ssp. <i>trichosantha</i></p>
16.50– 17.00	COFFEE BREAK

SALON A / SESSION – II**CHAIRPERSONS:** Masami Otsuka & Noureddine Djebli**17.00 – 18.00** **ORAL PRESENTATIONS**

- | | |
|--------------|---|
| OP-11 | <u>Tarapong Srisongkram, Natthida Weerapreeyakul</u>
Transportation Pathways of Sesamol in Melanoma (SK-MEL-2) Cells |
| OP-12 | <u>Alper Çimik, Belgin Sever, Mehlika Dilek Altintop, Ahmet Özdemir</u>
the Antimicrobial and Genotoxic Effects of A New Series of Quinoxaline-Based Hydrazones |
| OP-13 | <u>Halil I Ciftci</u>
SFX-Based Drug Development For HIV Eradication |
| OP-14 | <u>Mohamed O. Radwan, Halil Ciftci, Safiye Emirdağ-Özürk, N. Gökçe Ulusoy, Ece Sözer, Nurettin Yayli, Mikako Fujita, Masami Otsuka</u>
Pentacyclic Triterpene Derivatives With Selective Anti-Proliferative Effect against Chronic Myelogenous Leukemia |
| OP-15 | <u>Deepu Pandita, Anu Pandita, Shanu Pandita</u>
Biodiversity of the therapeutic Dendroflora of Jammu Province, Jammu and Kashmir, india |

SALON B / SESSION – II**CHAIRPERSONS: Sandy van Vuurena & Decha Kumla**

17.00 – 18.00	ORAL PRESENTATIONS
OP-16	<u>Esmâ Yagdi Efe</u>, Aloran Mazumder, Jin-Young Lee, Anthoula Gaigneaux, Flavia Radogna, Mario Dicato, Patrick Chaimbault, Jacob Claus, Claudia Cerella, Marc Diederich Tubulin-binding anti-cancer polysulfides induce cell death via mitotic arrest and autophagic interference in colon cancer
OP-17	<u>Sara M. E. Ali</u>, <u>Howeida A. Mustafa</u> Protective and therapeutic Effect of Ocimum Basilicum Basil (Ethanollic Extract on Chlorpromazine – induced Hepatic Cholestasis-in Wistar Albino Rats
OP-18	<u>Taner Özcan</u>, İlker Genç, Tuncay Dirmenci, Şükran Şiraneci Kültür, Gülay Ecevit-Genç Phylogenetic investigation on <i>Euphorbia</i> L. Species Subgenus esula Pers. Sect. Pithyusa (Raf.) Lázaro Members
OP-19	<u>Nitin Nema</u>, <u>SP Jain</u> Amelioration of the Cisplatin induced Genotoxic Damage in Mice By Gallic Acid and Its Formulation
OP-20	<u>Zaheer Ul-Haq</u>, Sajda ashraf Comparative in Vitro/theoretical Studies on Antidiabetic Effect of Flavonoids
17.30 – 17.45	COFFEE BREAK
18.00 – 19.00	POSTER SESSION (1-60)
20.30 – 23.00	GALA NIGHT

27 APRIL 2019, SATURDAY

SALON A / SESSION – III

CHAIRPERSONS: Ünsal Açikel & Zahia Kabouche

09.00 – 10.00	ORAL PRESENTATIONS
OP-21	<u>Raksaworn Jaisaard, Tipaporn Kanjanarach</u> Inadequate Calcium intake by Thai Adolescents: use of IBM to investigate
OP-22	<u>D.R. Kodirova, Kh.A.Rasulova, Sh.Sh.Sagdullaev</u> Haplophyllum Griffithianum – Source of Quinolone Alkaloids
OP-23	<u>Adil Farooq Wali, Muneeb U Rahmen, Jayachithra</u> Protective Effect of Saffron Petals (<i>Crocus sativus</i> L.) against Anti-Tuberculosis Drugs induced Liver injury
OP-24	<u>Višnja Oreščanin, Štefica Findri Guštek, Ivan Fistončić, Damir Hodžić, Josip Valetić, Josipa Rodić</u> BIOAPIGYN® Ointment For Pelvic Muscle Tonus Versus Pelvic Floor Muscle Training For the Treatment of Urinary incontinence
OP-25	<u>Shraddha J Parmar, Harish Padh, Bhavna Patel</u> Development and Validation of RP-HPLC Method For Simultaneous Estimation of Resveratrol and Ursolic Acid in Bulk and Synthetic Mixture
10.00 – 10.15	COFFEE BREAK

SALON B / SESSION – III**CHAIRPERSONS:** Enkelejda Goci & Yeşim Sağ Açikel**09.00 – 10.00** **ORAL PRESENTATIONS**

OP-26 **Jian Wang, Emilie Dumas, Sami Ghnimi, Adem Gharsallaoui**
Formation of Lysozyme-Caseinate Heteroprotein Complexes For Improving the thermal Stability of Lysozyme

OP-27 **Ahmad Ali, Dinesh Kumar**
Glycation induced structural alteration of Biomolecules and their reversal by some artificial and natural compounds

OP-28 **Vikneswaran Murugaiah, Ning Tiang, Zurina Hassan**
Neuroprotective and Cognitive Enhancement Potentials of Xanthone-enriched Fraction of *Garcinia mangostana* and α -mangostin

OP-29 **Madhu Gupta**
Hybrid Nanoengineered System Designed For Synergistic Drug Delivery For Solid Tumor Management

OP-30 **Sevgi Gezici, Murat Tuncturk, Lütfi Nohutcu, Nazim Sekeroglu**
Phytochemical Composition, Antioxidant Activity and Neuroprotective Properties of Turkish oregano (*Origanum onites* L.)

10.00 – 10.15 **COFFEE BREAK**

SALON C / SESSION – I**CHAIRPERSONS:** Hafida Bouamama & Mebarka Bouziane

09.00 – 10.00	ORAL PRESENTATIONS
OP-31	<u>Jamale Fatima</u>, Farah Ma'arfi, Mohammad Haris Siddiqui, Mohd aslam Yusuf A Novel Blend of Thymol and Thymoquinone inhibits the EGFR-ERK Proliferation Pathway in NSCLC and Breast Cancer Cell Lines
OP-32	<u>Olakunle Sanni</u>, Md. Shahidul Islam Mechanisms Behind Hypoglycemic Actions of Butanol Fraction of <i>Azadirachta indica</i> in A Type 2 Diabetes Rat Model
OP-33	<u>Sana Janakat</u>, Mohammed Mustafa Hashim Antioxidant Activity and Phenolic Compounds of Three Jordanian Pistacia Species Leaves Extracts and their Effect on the Rats Liver: A Comparative Study
OP-34	<u>Khaled El Omari</u>, Imad Al Kassaa, Rita Farraa, Roula Najib, Saer Alwane, Nour-Eddine Chihib, Monzer Hamze Using the Essential Oil of <i>Micromeria barbata</i> Plant as Natural Preservative To Extend the Shelf Life of Lebanese Yogurt
OP-35	<u>Ünal Karik</u>, <u>Murat Tunçtürk</u> Medicinal and Aromatic Plant Production, Trade and Future Perspective on Turkey
10.00 – 10.15	COFFEE BREAK

SALON A / SESSION – IV

CHAIRPERSONS: Anake Kijjoa & Marina Spinu

10.15 – 11.15 **ORAL PRESENTATIONS**

OP-36 **Hilal Top, Nazli Boke Sarikahya, Busra Cakir, Elifsu Polath, Murat Elibol**
Green Synthesis of Chitosan Based Nanoparticles Using Water Extracts of *Cephalaria Balansae* and Study of their Cytotoxic Activity

OP-37 **Reecha Madaan, Jasneet Kaur, Manjeet Kaur, Suresh Kumar**
Isolation and Characterization of Main Active Components Responsible For Anticancer Activity of *Baptisia tinctoria*

OP-38 **Yeşim Sağ Açikel, Özge Can Aşkar**
Controlled Delivery of Ciprofloxacin from Halloysite Nanotubes

OP-39 **Simon Oussama Khelissa, Adem Gharsallaoui, Emilie Dumas, Sami Ghnimi, Charafeddine Jama, Nour-Eddine Chihib**
Setup of QAC-Microencapsules and their Use To Fight Biofilms Formed By Pathogenic Bacteria

OP-40 **Pinar Ertuğruloğlu, Mustafa Gazi, Hayrettin Ozan Gülcan**
Investigation of interaction of Duloxetine With Alginate Polymers

11.15 – 11.30 **COFFEE BREAK**

SALON B / SESSION – IV**CHAIRPERSONS:** Ivan Salamon & Lamia Hamrouni**10.15 – 11.15** | **ORAL PRESENTATIONS**

OP-41	<u>Serpil Demirci</u> Chemical Composition of the Methanol Extract of <i>Verbascum speciosum</i>
OP-42	<u>Ahmet Altay, Hüseyin Akşit</u> Antiproliferative Effects of Secondary Metabolites Isolated from <i>Centaureium erythraea</i>
OP-43	<u>Mebarka Bouziane, Wafa Mihoub, Naima Hellali, Mahfoud Hadj Mahammed, Salha Mahdjar</u> Traditional uses, phytochemical screening and bioactivities of a spontaneous Saharian species
OP-44	<u>Suresh Kumar, Deepak Kumar</u> Isolation, Characterization and Estimation of Bioactive Constituents of <i>Actaea acuminata</i> H. hara
OP-45	<u>Hamit Emre Kizil, Selçuk Çeker, Güleray Ağar</u> Determination of Antigenotoxic Effect of Friedelin in Human Lymphocyte Cells
11.15 – 11.30	COFFEE BREAK

SALON C / SESSION – II**CHAIRPERSONS:** F.Sezer Şenol Deniz & Murat Tunçtürk**10.15 – 11.15** | **ORAL PRESENTATIONS**

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|--------------|--|
| OP-46 | <u>Abhijit Debnath, Hema Chaudhury</u>
Identification of New Drug Molecule For the Treatment of Amyotrophic Lateral Sclerosis(ALS) By Using in-Silico Approach |
| OP-47 | <u>Uzma Shahab, Mohd. Kaleem Ahmad, Saheem Ahmad</u>
Anti-diabetic and anti-glycation potential of Wedelolactone |
| OP-48 | <u>Iffat Zareen Ahmad, Sonam Dwivedi</u>
Protective Effect of Scytonemin Nanoformulation against Ultraviolet B Radiation in Human Hacat Keratinocytes |
| OP-49 | <u>Nazim Sekeroglu, Sevgi Gezici</u>
Cytotoxic and Apoptotic Effects of <i>Tribulus terrestris</i> Extracts on Human Lung Cancer A549 and Breast Cancer MCF-7 Cell Lines |
| OP-50 | <u>Sevgi Gezici</u>
Flow Cytometry Based Antiproliferative, Apoptogenic and Cellular DNA Fragmentation Activities of Ginger (<i>Zingiber officinale</i>) Rhizomes |

11.15 – 11.30 | **COFFEE BREAK**

SALON A / SESSION – V**CHAIRPERSONS: Çimen Karasu & Nazim Sekeroglu**

11.30 – 12.30	ORAL PRESENTATIONS
OP-51	<u>Zamri Chik, Zuleen Delina Fasya Abdul Ghani, Ahmad Hazri Ab Rashid</u> The effect of Piper betle leave extracts on weight, food intake and behaviour of SD Rats by using Elevated Plus-Maze
OP-52	<u>Pimporn Leelapornpisid, Worrapan Poomanee, Pornchai Ratchtanapan, Yuthana Phimolsiripol, Darunee Hongwiset</u> Carboxymethyl Chitosan: A Potential Active Moisturizing Agent For Cosmetic Application
OP-53	<u>Zubeyir Elmazoglu, Lucia Kovacicova, Milan Stefek, Cimen Karasu</u> Novel Carboxymethylated Mercaptotriazinoindole Derivatives as Potential inhibitors of Aldo-Keto Reductase (AKR1B1) Ameliorate Hyperglycemia Mediated and 6-OHda-induced Neurotoxicity in PC12 Cells: <i>In Vitro</i> Hyperglycemic Parkinson's Disease Model
OP-54	<u>Yeşim Sağ Açıknel, Merve Öztekin, Parinaz Raeiatbin</u> Sustained and Controlled Antibiotic Release from Chitosan and Magnetic Chitosan Nanoparticles
OP-55	<u>Ünsal Açıknel, Zehra Seba Keskin, Gamze Topal Canbaz, Yeşim Sağ Açıknel</u> Synthesis of Copper Nanoparticles from Waste onion Peels
12.30 – 14.00	CLOSING CEREMONY & LUNCH

SALON B/ SESSION – V**CHAIRPERSONS:** Janar Jenis & Ramanpreet Walia

11.30 – 12.30	ORAL PRESENTATIONS
OP-56	<u>Carmen Dana Șandru, Mihaela Niculae, Elena andruța Mureșan, Brudașcă Gheorghe Florinel, Eموke Pall, Raluca Seicheli, Constantin Cerbu, Aurel Vasiu, Marina Spînu, Silvana Popescu</u> Environmental Pollution Degree Changes the Biological Activity of Nettle Plant Extracts in Chickens
OP-57	<u>Ciprian Ilașcă, Mihaela Niculae, Elena andruța Mureșan, Aurel Vasiu, Eموke Pall, Diana Ioana Olah, Constantin Cerbu, Carmen Dana Șandru, Silvana Popescu, Marina Spînu</u> Dynamics of Antibody Titers in Anti-Newcastle Vaccinated Pigeons Treated With A <i>Calendula officinalis</i> Extract
OP-58	<u>Engin Celep</u> Inhibitory Effects of Hypericum cerastoides (Spach) N.Robson on Diabetes-Related Enzymes, Age Formation and MMP -2 and -9
OP-59	<u>Tuba Seçmen, Orçun Cınar, Ayşe Erdoğan, Murat Tunçtürk, Ünal Karık</u> Determination of Total Phenolic, Flavanoid, Carotenoid and Chlorophyll Contents of <i>Nepeta lamiifolia wild</i> and <i>Nepeta fissa</i> C.A. meyer Collected from Van District of Turkey
OP-60	<u>Tabassum Khan, Mayuresh Patkar</u> Phytochemical investigations and evaluation of in vitro cytotoxic activity of alkaloid rich fraction of <i>Cynodon dactylon</i>
12.30 – 14.00	CLOSING CEREMONY & LUNCH

27 APRIL 2019, SATURDAY

TECHNICAL & TOURISTIC VISITS

14.00 – 19.00	Technical – Touristic Visits
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ISPBS – 5
POSTER PROGRAM

ISPBS-5 FINAL PROGRAM

POSTER SESSION

PP – 1	<u>Antoaneta Trendafilova, Milka Todorova, Milena Nikolova, Ina Aneva</u> Essential oil composition of <i>Thymus vandasii</i> , <i>Thymus pannonicus</i> and <i>Thymus atticus</i> from Bulgaria
PP – 2	<u>Antoaneta Trendafilova, Milka Todorova, Milena Nikolova, Ina Aneva</u> Volatile constituents of <i>Inula germanica</i> L. and <i>Inula bifrons</i> L. aerial parts
PP – 3	<u>Elmeliani M'hammed, Djafri Fatiha, Djafri Yada, Dihmanabdelghani, Arboui Iliace</u> Synthesis of antibiotics effective against pathogenic bacteria by the use of catalysts porous materials (h-clay)
PP – 4	<u>Faiza Attari, Nouredine Djebli, Hadjer Chenini and Imen</u> Antidiabetic effect of saharian honey from Algeria in streptozotocin-induced diabetic rats
PP – 5	<u>S. Guerfi, A. Azzi</u> Study of the physicochemical properties of calcium phosphate ceramic materials for biomedical applications
PP – 6	<u>Bouamama H. Korichi W., Benharref A.</u> Chemical and biological studies of <i>Rhus albida schousb</i>
PP – 7	<u>Juthamart Maneenet, Orawan Monthakantirat, Supawadee Daodee, Chantana Boonyarat, Yaowared Chulikhit</u> the effect of Thai traditional herbal "Kleeb Bua Daeng" on unpredictable chronic mild stress-induced cognitive impairment in mice model

PP – 8	<u>Medjeber Nacera, Badi Sara, Touahria Zineb</u> Study and screening of bacteria producing bioplastic
PP – 9	<u>Jintanaporn Wattanathorn</u> The Novel Supplement Containing Ginger, Red Date and Jew's Ear Mushromm Protects against Brain Damage and Memory Impairment Following Focal Ischemic Stroke in Obesity Rats
PP – 10	<u>Kebir Tahar, Abderrazzak Baba Ahmed, Keltoum Bouhadjera</u> Examination of heavy metal levels in agricultural soils by the sequential extraction procedure.
PP – 11	<u>Kersani Imène, Zadi-Karam, Halima Karam, Nour-Eddine</u> Clab producing eps.
PP – 12	Semiha Bayraktaroğlu, Ebru Gürsoy, R. Hilal Şenay, <u>Kevser Kusat OL</u>, Sinan Akgöl Investigation of adsorption and delivery conditions of the oil of thyme on polymeric nanoparticles.
PP – 13	<u>Khadem H Boubakeur Badra khiati ilhe, Mekaddem Hadjoudja, Meddah Tir touil Aicha</u> Prebiotic effect of catechin on the lactic acid bacteria stains streptococcus thermophilus cnrz 447 and enterococcus durans.
PP – 14	<u>Lahouel Zakia, Kharoubi Omar, Aoues Abdelkader</u> Neuroprotective effect of aqueous extract of rosemary against aluminium-induced neurological disorders.
PP – 15	<u>Belmokhtar M., Belhamiti F., Kharoubi O., Aoues A.</u> Effect of aqueous extract of <i>Artemisia arborescens</i> L. on brain lipids content and oxidative stress in female rats intoxicated by aluminium.

PP – 16	<u>Imane Almi, Nadjib Melkem, Toufik Salah</u> Pharmacophore searching coupled with molecular docking for the discovery of novel cytotoxic agents targeting human glutathione-s-transferases.
PP – 17	<u>Mehlika Dilek Altintop, Belgin Sever, İpek Ertorun, Özkan Alataş Gülşen Akalin Çiftçi, Ahmet Özdemir</u> <i>In vitro</i> and <i>in vivo</i> evaluation of a new series of thiosemicarbazones as potential anti-inflammatory agents.
PP – 18	<u>Mesbah.N, Rezki-Bekki M.A., Bekki A.</u> Production of inoculum rhizobien for the recovery of sludge from the wastewater treatment plant.
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