

# PROGRAM BOOK

## <sup>th</sup> 5 ISPBS

The 5th International Symposium on  
Pharmaceutical and Biomedical Sciences

April 26-28, 2019



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

**ISPBS - 5  
PROGRAM BOOK**

**April 26<sup>th</sup> – 28<sup>th</sup>, 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**

**Plenary 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"**

<p><b>14.30 – 14.50</b></p>	<p><b>Invited Lecturer: Prof. Dr. Erden BANOĞLU</b>          Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Gazi University, Ankara – Turkey  <b>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"</b></p>
<p><b>15.00 – 15.20</b></p>	<p><b>COFFEE BREAK</b></p>
<p><b>SALON A / SESSION – I</b></p>	
<p><b>CHAIRPERSONS: İlkyay Erdoğan Orhan &amp; Mikako Fujita</b></p>	
<p><b>15.20 – 15.40</b></p>	<p><b>Invited Lecturer: Prof. Dr. Madalena M. M. PINTO</b>          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  <b>Title: "Chiral Xanthone Derivatives: Synthesis, Biological Activities and Analytical Applications "</b></p>
<p><b>15.40 – 16.00</b></p>	<p><b>Invited Lecturer: Prof. Dr. Masami Otsuka</b>          Department of Drug Discovery, Science Farm Ltd., Kumamoto, Japan;          Department of Biofunctional &amp; Medicinal Chemistry, School of Pharmacy, Kumamoto University – Japan  <b>Title: "Strategic Design of Drug Core Structure: A Bleomycin Spinout Story"</b></p>

<b>16.00 – 17.00</b>	<b>ORAL PRESENTATIONS</b>
<b>OP-1</b>	<p><b><u>Belgin Sever, Mehlika Dilek Altintop, Mohamed O. Radwan, Ahmet Özdemir, Masami Otsuka, Mikako Fujita, Halil I. Ciftci</u></b>  A New Series of Morpholine-Based Thiazolyl-Pyrazolines as Dual EGFR and HER2 inhibitors</p>
<b>OP-2</b>	<p><b><u>Decha Kumla, Tida Dethoup, José Pereira, Joana Freitas-Silva, Paulo Costa, Nazim Sekeroglu, Madalena M. M. Pinto, Anake Kijjoo</u></b>  Secondary Metabolites from the Culture of the Marine Sponge-associated Fungus <i>Penicillium erubescens</i> KUFA0220 and their Antibacterial Activity</p>
<b>OP-3</b>	<p><b><u>Natthida Weerapreeyakul, Boondaree Siriwarin</u></b>  Mechanisms of anticancer action of sesamol in colorectal carcinoma HCT116 cells</p>
<b>OP-4</b>	<p><b><u>Thananya Nantarat, Wei-Chao Lin, Shang-Chian Lue, Sunee Chansakaow, Jakkapan Sirithunyulug, Pimporn Leelapornpisid</u></b>  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>
<b>OP-5</b>	<p><b><u>Ciprian Ilască, Mihaela Niculae, Elena andruța Mureșan, Aurel Vasiu, Emoke Pall, Diana Ioana Olah, Constantin Cerbu, Carmen Dana Șandru, Silvana Popescu, Marina Spînu</u></b>  Dynamics of Antibody Titers in Anti-Newcastle Vaccinated Pigeons Treated With A <i>Calendula officinalis</i> Extract</p>
<b>17.00– 17.15</b>	<b>COFFEE BREAK</b>

**SALON B / SESSION – I****CHAIRPERSONS:** Ahmet Özdemir & Masami Otsuka

<b>15.20 – 15.40</b>	<b>Invited Lecturer: Prof. Dr. Sandy van VUUREN</b> Department of Pharmacy and Pharmacology, Faculty of Health Sciences, University of the Witwatersrand, Parktown – South Africa <b>Title: "Searching for Natural Product Antimicrobial Leads: Lessons Learnt from a Southern African Perspective"</b>
<b>15.40 – 16.00</b>	<b>Invited Lecturer: Prof. Dr. Ivan SALAMON</b> Excellence Centre of Animal and Human Ecology, University of Presov; Department of Ecology, the Faculty of Humanities and Natural Sciences, University of Presov – SLOVAK REPUBLIC <b>Title: "Effect of Raw Spirit In “Borovička” Beverage On the Quality of the Product"</b>
<b>16.00 – 17.00</b>	<b>ORAL PRESENTATIONS</b>
<b>OP-6</b>	<b><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></b> Is the Antioxidant Capacity of Alcoholic Plant Extracts inducive of Dissimilar <i>in vitro</i> Immune Responses in Wild Versus Domestic Species?

<p><b>OP-7</b></p>	<p><b><u>Esma Yagdi Efe, Aloran Mazumder, Jin-Young Lee, Anthoula Gaigneaux, Flavia Radogna, Mario Dicato, Patrick Chaimbault, Jacob Claus, Claudia Cerella, Marc Diederich</u></b>  Tubulin-binding anti-cancer polysulfides induce cell death via mitotic arrest and autophagic interference in colon cancer</p>
<p><b>OP-8</b></p>	<p><b><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></b>  Immunological and Anti-Stress influences of A Marigold Tea Treatment in Bovine</p>
<p><b>OP-9</b></p>	<p><b><u>Tavani Rocha Camargo, José Monserrat, Patricia Ramos, Emilie Dumas, Sami Ghnimi, Nour-Eddine Chihib, Wagner Cotroni Valenti, Adem Gharsallaoui</u></b>  Discovery Biological Activity in the Discard of the Fishery Shrimp Trawl Fisheries</p>
<p><b>OP-10</b></p>	<p><b><u>Havva Atar, Hatice Çölgeçen</u></b>  Production of phytoestrogens in <i>Globularia trichosantha</i> ssp. <i>trichosantha</i></p>
<p><b>17.00– 17.15</b></p>	<p><b>COFFEE BREAK</b></p>
<p style="background-color: #f0f0f0; height: 150px;"></p>	

**SALON A / SESSION – II****CHAIRPERSONS:** Natthida Weerapreeyakul & Nouredine Dijebli**17.15 – 18.15**      **ORAL PRESENTATIONS****OP-11****Tarapong Srisongkram, Natthida Weerapreeyakul**

Transportation Pathways of Sesamol in Melanoma (SK-MEL-2) Cells

**OP-12****Alper Çimik, Belgin Sever, Mehlika Dilek Altintop, Ahmet Özdemir**  
the Antimicrobial and Genotoxic Effects of A New Series of  
Quinoxaline-Based Hydrazones**OP-13****Halil I Ciftci**

SFX-Based Drug Development For HIV Eradication

**OP-14****Mohamed O. Radwan, Halil Ciftci, Safiye Emirdağ-Özürk, N. Gökçe Ulusoy, Ece Sözer, Nurettin Yayli, Mikako Fujita, Masami Otsuka**Pentacyclic Triterpene Derivatives With Selective Anti-Proliferative  
Effect against Chronic Myelogenous Leukemia**OP-15****Taner Özcan, İlker Genç, Tuncay Dirmenci, Şükran Şiraneci Kültür, Gülay Ecevit-Genç**Phylogenetic investigation on *Euphorbia* L. Species Subgenus esula  
Pers. Sect. Pithyusa (Raf.) Lázaro Members**18.00 – 19.00****POSTER SESSION (1-60)****20.30 – 23.00****GALA NIGHT**

## 27 APRIL 2019, SATURDAY

### SALON A / SESSION – III

**CHAIRPERSONS:** Sandy van Vuurena & Zahia Kabouche

<b>09.00 – 10.00</b>	<b>ORAL PRESENTATIONS</b>
<b>OP-21</b>	<b><u>Raksaworn Jaisaard, Tipaporn Kanjanarach</u></b> Inadequate Calcium Intake by Thai Adolescents: use of IBM to Investigate
<b>OP-22</b>	<b><u>Adil Farooq Wali, Muneeb U Rahman, Jayachithra</u></b> Protective Effect of Saffron Petals ( <i>Crocus sativus</i> L.) against Anti-Tuberculosis Drugs induced Liver injury
<b>OP-23</b>	<b><u>Višnja Oreščanin, Štefica Findri Guštek, Ivan Fistonić, Damir Hodžić, Josip Valetić, Josipa Rodić</u></b> BIOAPIGYN® Ointment For Pelvic Muscle Tonus Versus Pelvic Floor Muscle Training For the Treatment of Urinary incontinence
<b>OP-24</b>	<b><u>Wataru Shida, Hiroshi Tateishi, Mikako Fujita, Ryoko Koga, Mohamed O Radwan, Halil I Ciftci, Masami Otsuka, Doaa Husham AL-Saadi, Masato Watanabe, Sevgi Gezici, Mikiyo Wada, Nazim Sekeroglu, Takashi Watanabe</u></b> Anticancer activity of extract from twigs of Caucasian beech in Turkey
<b>OP-25</b>	<b><u>Sevgi Gezici</u></b> Flow Cytometry Based Antiproliferative, Apoptogenic and Cellular DNA Fragmentation Activities of Ginger ( <i>Zingiber officinale</i> ) Rhizomes
<b>10.00 – 10.15</b>	<b>COFFEE BREAK</b>



**SALON B / SESSION – II**

**CHAIRPERSONS:** Enkelejda Goci & Yeşim Sağ Açıkl

<b>09.00 – 10.00</b>	<b>ORAL PRESENTATIONS</b>
<b>OP-26</b>	<b><u>Jian Wang, Emilie Dumas, Sami Ghnimi, Adem Gharsallaoui</u></b> Formation of Lysozyme-Caseinate Heteroprotein Complexes For Improving the thermal Stability of Lysozyme
<b>OP-27</b>	<b><u>Ahmad Ali, Dinesh Kumar</u></b> Glycation Induced Structural Alteration of Biomolecules and Their Reversal by Some Artificial and Natural Compounds
<b>OP-28</b>	<b><u>Vikneswaran Murugaiah, Ning Tiang, Zurina Hassan</u></b> Neuroprotective and Cognitive Enhancement Potentials of Xanthone-enriched Fraction of <i>Garcinia mangostana</i> and $\alpha$ -mangostin
<b>OP-29</b>	<b><u>Ünal Karik, Murat Tunçtürk</u></b> Medicinal and Aromatic Plant Production, Trade and Future Perspective on Turkey
<b>OP-30</b>	<b><u>Sevgi Gezici, Murat Tunçtürk, Lütfi Nohutcu, Nazim Sekeroğlu</u></b> Phytochemical Composition, Antioxidant Activity and Neuroprotective Properties of Turkish oregano ( <i>Origanum onites</i> L.)
<b>10.00 – 10.15</b>	<b>COFFEE BREAK</b>

**SALON A / SESSION – IV****CHAIRPERSONS:** Anake Kijjoa & Marina Spinu**10.15 – 11.15**    **ORAL PRESENTATIONS**

<b>OP-36</b>	<b><u>Hilal Top</u>, Nazli Boke Sarikahya, Busra Cakir, Elifsu Polath, Murat Elibol</b> Green Synthesis of Chitosan Based Nanoparticles Using Water Extracts of <i>Cephalaria Balansae</i> and Study of their Cytotoxic Activity
<b>OP-37</b>	<b><u>Reecha Madaan</u>, Jasneet Kaur, Manjeet Kaur, Suresh Kumar</b> Isolation and Characterization of Main Active Components Responsible For Anticancer Activity of <i>Baptisia tinctoria</i>
<b>OP-38</b>	<b><u>Yeşim Sağ Açikel</u>, Özge Can Aşkar</b> Controlled Delivery of Ciprofloxacin from Halloysite Nanotubes
<b>OP-39</b>	<b>Simon Oussama Khelissa, Adem Gharsallaoui, Emilie Dumas, Sami Ghnimi, Charafeddine Jama, <u>Nour-Eddine Chihib</u></b> Setup of QAC-Microencapsules and their Use To Fight Biofilms Formed By Pathogenic Bacteria
<b>OP-40</b>	<b><u>Zamri Chik</u>, Zuleen Delina Fasya Abdul Ghani, Ahmad Hazri Ab Rashid</b> The Effect of Piper Betle Leave Extracts on Weight, Food Intake and Behaviour of SD Rats by using Elevated Plus-Maze
<b>11.15 – 11.30</b>	<b>COFFEE BREAK</b>

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

<b>OP-41</b>	<b><u>Serpil Demirci</u></b> Chemical Composition of the Methanol Extract of <i>Verbascum speciosum</i>
<b>OP-42</b>	<b><u>Ahmet Altay, Hüseyin Akşit</u></b> Antiproliferative Effects of Secondary Metabolites Isolated from <i>Centaureium erythraea</i>
<b>OP-43</b>	<b><u>Mebarka Bouziane, Wafa Mihoub, Naima Hellali, Mahfoud Hadj Mahammed, Salha Mahdjar</u></b> Traditional uses, phytochemical screening and bioactivities of a spontaneous Saharian species
<b>OP-44</b>	<b><u>Suresh Kumar, Deepak Kumar</u></b> Isolation, Characterization and Estimation of Bioactive Constituents of <i>Actaea acuminata</i> H. hara
<b>OP-45</b>	<b><u>Tuba Seçmen, Orçun Cinar, Ayşe Erdoğan, Murat Tunçtürk, Ünal Karık</u></b> Determination of Total Phenolic, Flavanoid, Carotenoid and Chlorophyll Contents of <i>Nepeta lamiiifolia wild</i> and <i>Nepeta fissa</i> C.A. meyer Collected from Van District of Turkey
<b>11.15 – 11.30</b>	<b>COFFEE BREAK</b>

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

<b>11.30 – 12.30</b>	<b>ORAL PRESENTATIONS</b>
<b>OP-51</b>	<b>Pimporn Leelapornpisid, Worrapan Poomanee, Pornchai Rachtanapan, Yuthana Phimolsiripol, Darunee Hongwiset</b> Carboxymethyl Chitosan: A Potential Active Moisturizing Agent For Cosmetic Application
<b>OP-52</b>	<b>Zubeyir Elmazoglu, Lucia Kovacicova, Milan Stefek, Cimen Karasu</b> 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
<b>OP-53</b>	<b>Nazim Şekeroglu, Maryna Kryvtsova, Sevgi Gezici</b> Antimicrobial Activities of Shell and Cup Parts of <i>Quercus coccifera</i> L. Fruits against Opportunistic Infectious Agents
<b>OP-54</b>	<b>Ünsal Açikel, Zehra Seba Keskin, Gamze Topal Canbaz, Yeşim Sağ Açikel</b> Synthesis of Copper Nanoparticles from Waste Onion Peels
<b>OP-55</b>	<b>Ünsal Açikel, Gamze Topal Canbaz, Yeşim Sağ Açikel</b> Green Synthesis of Silver Nanoparticles Using Pomegranate Waste
<b>12.30 – 14.00</b>	<b>CLOSING CEREMONY &amp; LUNCH</b>

**SALON B/ SESSION – IV****CHAIRPERSONS:** Janar Jenis & Ramanpreet Walia**11.30 – 12.30**      **ORAL PRESENTATIONS**

**OP-56**      **Yeşim Sağ Açıklak, Merve Öztekin, Parinaz Raeiatbin**  
Sustained and Controlled Antibiotic Release from Chitosan and Magnetic Chitosan Nanoparticles

**OP-57**      **Carmen Dana Şandru, Mihaela Niculae, Elena andruţa Mureşan, Brudaşcă Gheorghe Florinel, Eموke Pall, Raluca Seicheli, Constantin Cerbu, Aurel Vasiu, Marina Spînu, Silvana Popescu**  
Environmental Pollution Degree Changes the Biological Activity of Nettle Plant Extracts in Chickens

**OP-58**      **Mehmet Engin Celep**  
Inhibitory Effects of Hypericum cerastoides (Spach) N.Robson on Diabetes-Related Enzymes, Age Formation and MMP -2 and -9

**12.30 – 14.00**      **CLOSING CEREMONY & LUNCH****27 APRIL 2019, SATURDAY****TECHNICAL & TOURISTIC VISITS****14.00 – 19.00**

Touristic Tour &amp; Visits

**ISPBS – 5**  
**POSTER PROGRAM**

**POSTER SESSION**

<b>PP – 1</b>	<b><u>Antoaneta Trendafilova, Milka Todorova, Milena Nikolova, Ina Aneva</u></b> Essential oil composition of <i>Thymus vandasii</i> , <i>Thymus pannonicus</i> and <i>Thymus atticus</i> from Bulgaria
<b>PP – 2</b>	<b><u>Antoaneta Trendafilova, Milka Todorova, Ina Aneva, Temel Ozek, Gulmira Ozek</u></b> Volatile constituents of <i>Inula germanica</i> L. and <i>Inula bifrons</i> L. aerial parts
<b>PP – 3</b>	<b><u>Bouamama H. Korichi W, Benharref A.</u></b> Chemical and Biological studies of <i>Rhus albida schousb</i>
<b>PP – 4</b>	<b><u>Juthamart Maneenet, Orawan Monthakantirat, Supawadee Daodee, Chantana Boonyarat, Yaowared Chulikhit</u></b> The effect of Thai traditional herbal "Kleeb Bua Daeng" on Unpredictable Chronic Mild Stress-Induced Cognitive Impairment in Mice Model
<b>PP – 5</b>	<b><u>Medjeber Nacera, Badi Sara, Touahria Zineb</u></b> Study and Screening of Bacteria Producing Bioplastic
<b>PP – 6</b>	<b><u>Jintanaporn Wattanathorn, Wipawee Thukham-mee, Supaporn Muchimapura, Terdthai Tong-un, Panakaporn Wannanon</u></b> The Novel Supplement Containing Ginger, Red Date and Jew's Ear Mushroom Protects against Brain Damage and Memory Impairment Following Focal Ischemic Stroke in Obesity Rats
<b>PP – 7</b>	<b><u>Lahouel Zakia, Kharoubi Omar, Aoues Abdelkader</u></b> Neuroprotective Effect of Aqueous Extract of Rosemary against Aluminium-Induced Neurological Disorders

PP – 8	<p><b><u>Mehlika Dilek Altintop, Belgin Sever, İpek Ertorun, Özkan Alataş Gülşen Akalin Çiftçi, Ahmet Özdemir</u></b>  <i>In Vitro</i> and <i>In Vivo</i> Evaluation of a New Series of Thiosemicarbazones as Potential Anti-Inflammatory Agents</p>
PP – 9	<p><b><u>N.Benahmed, A.Cheriti</u></b>  Effect of the Medicinal Plant' Extracts (<i>Salsola</i> Sp) on the Crystallization of the Urinary Stones Struvite</p>
PP – 10	<p><b><u>Nalan Yilmaz, Belgin Sever, Halide Edip Temel, Mehlika Dilek Altintop</u></b>  Design, Synthesis, <i>In Vitro</i> And <i>In Silico</i> Evaluation of New Triazolothiadiazine Derivatives as Potential Dipeptidyl Peptidase-4 Inhibitors</p>
PP – 11	<p><b><u>Nut Palachai, Jintanaporn Wattanathorn, Supaporn Muchimapura, Wipawee Thukham</u></b>  Development, Characterization and Evaluation of the Protective Effect against Metabolic Syndrome of Phytosome Containing the Combined Extract of Ginger and Mulberry Fruit</p>
PP – 12	<p><b><u>Charinya Khamphukdee, Supawadee Daodee, Yaowared Chulikhit, Orawan Monthakantirat</u></b>  Infertile Activity of <i>Dipterocarpus alatus</i> roxb. exg. don oil.</p>
PP – 13	<p><b><u>Tattiya Wattanawong, Rattanaporn Kokapan, Paweena Pradniwat</u></b>  Cytotoxic Effects of <i>Hymenocallis littoralis</i> Ethanol Extracts on U937 Cell Lines</p>



PP – 14	<p><b><u>Pratthana Srichomphu, Jintanaporn Wattanathorn, Supaporn Muchimapura Wipawee Thukham-mee, Panakaporn Wannanon Terdthai Tong</u></b>          Evaluation of Anxiolytic and Sedative Effects of High Fiber Cashew Drink in Metabolic Syndrome Rats</p>
PP – 15	<p><b><u>Safive Emirdağ-Öztürk, Ece Sözer, N. Gökçe Ulusoy, Nurettin Yayli, Halil Ciftci, Mohamed O. Radwan, Mikako Fujita, Masami Otsuka</u></b>          Synthesis of Novel Gypsogenin Derivatives</p>
PP – 16	<p><b><u>Semiha Bayraktaroğlu, Ebru Gürsoy, R. Hilal Şenay, Kevser Kusat Ol, Sinan Akgöl</u></b>          Investigation of Adsorption and Delivery Conditions of the Oil of Thyme on Polymeric Nanoparticles</p>
PP – 17	<p><b><u>Suwakon Wongjaikam, Sumolrat Panthong, Chanin Sillapachaiyaporn, Tewin Tencomnao, Siriporn Chuchawankul</u></b>          Antioxidant, Anti-Proliferative and Immunomodulatory Activities of Pleurotus Abalonus, an Edible Mushroom in U937 Cell Line</p>
PP – 18	<p><b><u>Višnja Oreščanin, Štefica Findri Guštek, Rosa Ferinčević, Ivan Fistončić, Damir Hodžić, Josip Valetić, Josipa Rodić</u></b>          Bioapigin® Herbal Ointment and Pessaries Compared to Acidosalus® Pessaries and Vaginal Probiotic in the Treatment of Vulvo-Vaginal Disorders</p>
PP – 19	<p><b><u>Višnja Oreščanin, Zrinka Mihalić, Josipa Rodić, Štefica Findri Guštek, Rosa Ferinčević, Zvijezdana Štaba</u></b>          The Performance of Bioapifit® Anti Hemorrhoidal Ointment Compared To Acidosalus® Suppositories in the Treatment of Hemorrhoidal Disease</p>

PP – 20	<p><b><u>Višnja Oreščanin, Zrinka Mihalić, Josipa Rodić, Štefica Findri Guštek, Zvijezdana Štaba, Josip Valetić</u></b>  The Performance of Bioapifit® Wound Care Ointment in the Treatment of Pressure Ulcers</p>
PP – 21	<p><b><u>Supaporn Muchimapura, Wara Mahasarp, Jintanaporn Wattanathorn, Wipawee Thukhammee, Parichat on-arj-ong</u></b>  <i>Ocimum tenuiflorum</i> Protects Against Neurodegeneration and Memory Impairment in Animal Model of Menopause with Obesity</p>
PP – 22	<p><b><u>Supawadee Daodee, Yaowared Chulikhit, Chantana Bunyarat, Orawan Monthakantirat</u></b>  Carotenoid and Beta-Carotene Content in <i>Schleichera oleosa</i> Fruit and Its Anti-Oxidant Activity</p>
PP – 23	<p><b><u>Svetla Angelova, Ivelina Trifonova, Silvia Voleva, Stefka Ivanova, Rosalina Uzunova, Irina Georgieva Asya Stoyanova, Ivayla Dincheva</u></b>  <i>Vaccinium vitis-idaea</i> L., Picked in Bulgaria Indicate <i>In Vitro</i> Antitumor Activity</p>
PP – 24	<p><b><u>Wanna Sirisangtakul, Watchara Dulyasitiporn, Supawadee Daodee</u></b>  Interaction of <i>Tiliacora triandra</i> (Colebr.) Diels on Cytochrome P450 and P-Glycoprotein Activity in Rat</p>
PP – 25	<p><b><u>Warin Ohn-on, Jintanaporn Wattanathorn, Wipawee, Thukham-me Sue, Paporn Muchimapura</u></b>  “Oa”, the Novel Supplement, Improves Brain Infarction, Brain Edema and Brain Dysfunction Following Cerebral Ischemia in Animal Model of Metabolic Syndrome</p>

<p>PP – 26</p>	<p><b>Kanlaya Ruengwinitwong, Kankrittanon Gatenakorn, Orawan Monthakantirat, Supawadee Daodee Charinya Khamphukde, <u>Yaowared Chulikhit</u></b>  Effect of <i>Dipterocarpus alatus</i> roxb. exg. don Leaves Extract on Unpredictable Chronic Mild Stress Induced Depression in ICR Mice and Its Mechanisms</p>
<p>PP – 27</p>	<p><b>Zubeyir Elmazoglu, Zehra Aydin Bek, <u>Berna Goker</u>, Cem Nuri Aktekin, Berivan Bitik, Cimen Karasu</b>  Effects of Quercetin on Oxidative and inflammatory Stress Pathways in Human Osteoarthritic Chondrocytes</p>
<p>PP – 28</p>	<p><b><u>Zehra Aydin Bek</u>, Zubeyir Elmazoglu, Berna Goker, Berivan Bitik, Cem Nuri Aktekin, Cimen Karasu</b>  Icariin Inhibits Inflammatory Degeneration in Human Osteoarthritic Chondrocytes via Modulation of Redox Stress-induced Pathways</p>
<p>PP – 29</p>	<p><b>Zubeyir Elmazoglu, <u>Tala Reihanifar</u>, Lucia Kovacicova, Milan Stefek, ash Ceylan Isik, Cimen Karasu</b>  Novel Aldo-Keto Reductase inhibitors Give Rise To Have A Great Potential on Regulating Hyperglycemia Exacerbated A<math>\beta</math>1-42 Neurotoxicity in Primary Hippocampal Neurons</p>
<p>PP – 30</p>	<p><b><u>Zubeyir Elmazoglu</u>, Edgar Rangel-López, Abel Santamaria, Cimen Karasu</b>  Endogenous Cannabinoids Exerts Neuroprotective Functions against A<math>\beta</math>1-42-Mediated injury in Hippocampal Neurons Under Hyperglycemic Conditions</p>

PP – 31	<b><u>Zubevir Elmazoglu, Edgar Rangel-López, Abel Santamaria, Cimen Karasu</u></b> The Synthetic Cannabinoid, CP 55,940, Has A Potential Redox Modulatory Effect on $A\beta$ 1-42-Mediated Injury in High Glucose-induced Neurotoxicity in Hippocampal Neurons
PP – 32	<b><u>Nuttinee Teerakulkittipong, Siraprapha Nuanngam, Kamonchanok Thairueang, Krittanan Chantawichanuwong, Nattawut Leelakanok, Suchada Sukontanon, Monsiri Chetkhetkran</u></b> Efficacy of Cold-Extract Kaffir-Lime Shampoo and Treatment For Anti-Dandruff
PP – 33	<b><u>Gülmira Özek, Gülperi Yardım, Süleyman Yur, Fatih Göger, Ömer Koray Yaylacı</u></b> Biological Activities of <i>Scabiosa hololeuca</i> Bornm.
PP – 34	<b><u>Gülmira Özek, Betül Kenar, Süleyman Yur, Ömer Koray Yaylacı</u></b> Investigation of Phytochemical and Antioxidant Properties of <i>Gypsophila Laricina</i> Schreb. Extracts
PP – 35	<b><u>Abdolahi Mohamed Adawe, Yasin Darı, Ülkü Dilek Uysal, Temel Özek, Gülmira Özek</u></b> Screening of Biological Activity of the Leaf Extracts of <i>Azadiracta indica</i> A. Juss. (Geed Hindi) from Somalia
PP – 36	<b><u>Temel Özek, Gülmira Özek, Ayşe Çakır, Süleyman Yur, Isa Telci, Muhammed Bıyıklı, Selma Yasak</u></b> Biological Activities and Chemical Profiles of <i>Satureja hortensis</i> Essential Oils from Different Localities
PP – 37	<b><u>Sevgi Gezici, Hari Prasad Devkota, Didem Kocum, Nazim Sekeroglu</u></b> Memory-Vitalizing Effect of <i>Bongardia chrysogonum</i> L. as inhibitors of Acetylcholinesterase and Butyrylcholinesterase

PP – 38	<b><u>Ahmet Özdemir, Mehlika Dilek Altintop, Belgin Sever, Gülşen Akalin Çiftçi</u></b> Design, Synthesis and <i>In Vitro</i> Evaluation of New Triazolothiadiazine Derivatives as Potential Antitumor Agents
PP – 39	<b><u>Mihaela Niculae, Eموke Pall, Silvana Popescu, Ionut Ionut, Ioan Mates, Marina Spinu</u></b> Synergistic Efficacy of Herbal Products and Antibiotics Combinations against Clinical Strains of <i>Escherichia coli</i> Isolated from Poultry
PP – 40	<b><u>Kawintra Tamprasit, Khaetthareeya Sutthanut, Wipawee Thukhammee, Jintanaporn Wattanathorn, Natthida Weerapreeyakul</u></b> Potential health benefit of rice sprout from rice varieties RD 6 and black glutinous rice
PP – 41	<b><u>F. Sezer Senol Deniz, Ilkay Erdogan Orhan, Nazım Şekeroğlu, Sevgi Gezici</u></b> Search on Neurobiological Effect of Brown Coffee and Chicory Coffee Extracts through Cholinesterase and Tyrosinase Enzyme Inhibition
PP – 42	<b><u>Mohamed O. Radwan</u></b> Discovery of a new class of SIRT2 inhibitors with antiproliferative effect based on S-trityl L cysteine scaffold
PP - 43	<b><u>Gülmira Özek, Tuğbanur Tüysüz, Süleyman Yur, Fatih Göger, Ömer Koray Yaylaci, Temel Özek</u></b> Biological Activities of the Extracts Obtained by Accelerated Solvent Extraction Method from <i>Onobrychis tournefortii</i> DESV. (Fabaceae)
PP - 44	<b><u>Oufkuir Sara, Ait Laaradia Mehdi, Laadrawi Jawad, Aboufatima Rachida, Chait Abederrahmane, Sokar Zahra</u></b> Neurobehavioral Developmental Toxicity of Sprouted Seeds Extract of <i>Trigonella foenum graecum</i> (L.) in Mice



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