



**1st INTERNATIONAL VETERINARY
BIOCHEMISTRY
AND
CLINICAL BIOCHEMISTRY CONGRESS**

POCKET PROGRAMME

12-15 April 2018

Hatay, TURKEY

PROGRAMME OF THE CONGRESS

12 APRIL 2018, THURSDAY

- 08:30-09:30** Registration and Welcome
- 09:30-10:30** Opening Speeches
- 10:30-10:50** ***Tea and Coffee Break / Poster Walk***
- 10:50-11:15** Prof. Dr. Kazım ŞAHİN
The Secrets of Success in Science (Conference)
- 11:20-11:40** Prof. Dr. Hilal KARAGÜL
Biography of Prof. Dr. Nihat BAYŞU (Conference)
- 11:45-12:35** **Panel “Current Approaches In Postgraduate Education”**
Panel President: Prof. Dr. Hilal KARAGÜL
- 11:45-11:55** Prof. Dr. Hasret YARDİBİ
What is Master and PhD Education?
- 11:55-12:05** Prof. Dr. Hamdi UYSAL
Quality in Master and PhD Education
- 12:05-12:15** Doç. Dr. Görkem KISMALI
State of Master and PhD Education in the World
- 12:15-12:25** Prof. Dr. Pınar Alkım ULUTAŞ
Situation of Master and PhD Education in Turkey
- 12:25-12:35** Prof. Dr. Ayla ÖZCAN
Achievements in Master and PhD Education
- 12:35-13:30** ***Lunch Break***

1st ORAL SESSION-12 APRIL 2018, THURSDAY

Lalezar Hall

Chairperson: **Prof. Dr. Mehmet NİZAMLIOĞLU,**
Prof. Dr. Mine ERİŞİR

- 13:30-13:40** Görkem KISMALI
Tocotrienols for cancer prevention and therapy

- 13:40-13:50** Gamze Sevri EKREN AŞICI
Cytotoxic and apoptotic effects of zoledronic acid on d-17 canine osteosarcoma cell line
- 13:50-14:00** Mehmet Ali KISAÇAM
New therapeutic approach to skin cancer with calcium fructoborate
- 14:00-14:10** Ahmet BÜYÜKBEN
Investigation of cytotoxic and genotoxic effects of boric acid on MCF-7 cell lines
- 14:10-14:20** Burcu Menekşe BALKAN
Caspase activities in Tnf- α applied HepG2 human hepatocellular carcinoma cell
- 14:20-14:30** Cihan GÜR
The effects on the P53 and Mdm2 gene expression levels of melatonin, cisplatin and cetuximab applications to the cell line of pancreas cancer (Panc1)
- 14:30-14:40** P. Sema TEMİZER OZAN
Protective effect of oleuropein on experimental liver injury induced by diethylnitrosamine and phenobarbital in rats
- Divan Hall**
Chairperson: **Prof. Dr. Necmi ÖZDEMİR**
Assoc. Prof. Dr. Nazmiye GÜNEŞ
- 13:30-13:40** Semiha DEDE
The role of sodium fluoride in apoptotic pathways
- 13:40-13:50** Veysel YÜKSEK
Determination of vitamin D3 effect on DNA damage in sodium fluoride-induced kidney cells by comet assay method
- 13:50-14:00** Cüneyt ÇAĞLAYAN
Anti-inflammatory and anti-apoptotic effects of zingerone on vancomycin-induced nephrotoxicity in rats
- 14:00-14:10** Filiz KAZAK
Investigation of the pro-inflammatory and anti-inflammatory cytokine response in cerebellum in mice model of demyelination

- 14:10-14:20** Melek ÖZTÜRKLER
Effects of omega-3 oil acids on adenosin deaminase activity, 8-hydroxy-2'-deoxyguanosine and reduced glutathion levels in aluminium toxicity
- 14:20-14:30** Emre KAYA
Vitamin E against oxidative stress and toxic effect aflatoxin induced in rats
- 14:30-14:40** Emre KAYA
Lycopene against testicular toxicity induced by aflatoxin in rats

Sultan Fatih Hall

**Chairperson: Prof. Dr. Fulya BENZER
Assoc. Prof. Dr. Pınar PEKER AKALIN**

- 13:30-13:40** Onur ATAKİŞİ
The contribution of Turkey to universal science and recommendations
- 13:40-13:50** Taasilkan TOKTAMAMATOVNA ZHUMABAEVA
Ascorbic acid and the formation of nitric oxide in human leukocytes
- 13:50-14:00** Özlem ORUNÇ KILINÇ
Relationships between hepsidin levels in some hematological and biochemical parameters in sheep with natural babesiosis
- 14:00-14:10** Adnan AYAN
Vitamin D3 levels during natural *Giardia duodenalis* assemblage a infection among lambs
- 14:10-14:20** Mesih KOCAMÜFTÜOĞLU
Effect of pre-ovariohysterectomy administration of tarantula cubensis and cefovecin sodium on sings of postoperative pain and complications in dogs
- 14:20-14:30** Kadir BOZUKLUHAN
Investigation of haptoglobin, serum amyloid a and some biochemical parameters in calves with omphalitis
- 14:30-14:40** Hakan TEKELİ
How the different seasonal temperature and age affect growth factor genes (GHR, IGF-1, IGF-2) of *Oncorhynchus mykiss*?

14:40-15:00 **Tea and Coffee Break / Poster Walk**

2nd ORAL SESSION-12 APRIL 2018, THURSDAY

Lalezar Hall

Chairperson: **Prof. Dr. Vahdettin ALTUNOK**
 Prof. Dr. Taasilkan Toktamamatovna
 ZHUMABAEVA

15:00-15:10 **Altuğ KÜÇÜKGÜL**
Investigation of anti-oxidant and anti-inflammatory effectiveness of hesperidine in experimental spinal cord cases

15:10-15:20 **Hüseyin Serkan EROL**
Investigation on effects of pomiferin purified from *Maclura pomifera* plants on oleic acid induced acute lung injury model

15:20-15:30 **Serap ÜNÜBOL AYPAK**
The investigation of decreasing serum irisin levels in experimental myocardial infarction-induced rats

15:30-15:40 **Yasemin SUNUCU KARAFKIOĞLU**
Effects of safranal on some oxidative stress parameters on the rats exposed to subchronic thinner inhalation

15:40-15:50 **Ahmet Ufuk KÖMÜROĞLU**
Protective effect of chitosan against lead-induced oxidative stress in rat kidney

15:50-16:00 **İ. Enver OZAN**
Examination of the effects of alpha lipoic acid on changes in maternal rat kidney caused by tobacco smoke exposure in pregnancy

16:00-16:10 **İ. Enver OZAN**
Investigation of the effects of alpha lipoic acid on changes in maternal rat lung caused by tobacco smoke exposure in pregnancy

Divan Hall

Chairperson: **Prof. Dr. Semiha DEDE**
 Prof. Dr. Zafer BULUT

15:00-15:10 **Berrin SALMANOĞLU**
Obesity and inflammation relation

- 15:10-15:20** Gonca OZAN KOCAMÜFTÜOĞLU
Effects of turmeric on liver vitamin levels in metabolic syndrome model induced by high fructose diet in rats
- 15:20-15:30** Ahmet UYAR
Preventative effects of mate leaves (*Ilex paraguariensis*) on obesity development by feeding with high fat diet in rats: an investigation by histopathological and biochemical
- 15:30-15:40** Eda DOKUMACIOĞLU
The effect of high fructose diet on sirtuin-1 and NF-κB levels
- 15:40-15:50** Emrah AY
Investigation of synergistic effect of linalool and rosmarinic acid with acyclovir against HSV-1 on human cervical cancer
- 15:50-16:00** Serpil AYGÖRMEZ
Serum ghrelin levels in humans with type II diabetes, obese and both type II diabetes and obese
- 16:00-16:10** BARIŞ DENK
Influence of bee venom on sperm quality and some reproductive tract measures in diabetes induced rats
- 16:10-16:20** Pınar PEKER AKALIN
Relation of some biochemical parameters in Van (Turkey) cats with sex, age, eye colour and hair length

Sultan Fatih Hall

**Chairperson: Prof. Dr. Seyfullah HALILOĞLU
Prof. Dr. Meltem TANRIVERDİ**

- 15:00-15:10** Cevat NİSBET
Alternative and complementary therapies in veterinary medicine
- 15:10-15:20** Efe KARACA
The effect of treatment on serum concentration and skin expression of insulin-like growth factor-1 in dogs suffering from generalized demodicosis
- 15:20-15:30** Selvinaz YAKAN
The effect of flunixin meglumin on oxidant and anti-oxidant system after horn blunting process

- 15:30-15:40** Mesih KOCAMÜFTÜOĞLU
Effect of pre-ovariohysterectomy administration of carprofen and cefovecin sodium on sings of postoperative pain and complications in dogs
- 15:40-15:50** UĞUR ÖZDEK
Effect of *Diplotaenia turcica* root extraction on biochemical and hematological parameters
- 15:50-16:00** Elif DEMİR
Radioprotective effects of propolis and cape on radiation-induced cataract in rats
- 16:00-16:10** Cafer Tayer İŞLER
Investigation of clinicial and biochemical values in operated calves by abomasopexia

*5 minutes for each speaker is given extra time for discussion

- 19:00-19:45** ***Music Concert (Civilizations Choir of Antakya)***

20.00 OPENING DINNER

13 APRIL 2018, FRIDAY

Lalezar Hall

Chairperson: Prof. Dr. Behiç SERPEK
Prof. Dr. Funda KIRAL

- 09:00-09:30** Dr. Vildan FİDANCI
Biography of Prof. Dr. Ulvi Reha FİDANCI
- 09:40-11:00** **Panel “Cancer”**
Panel President: Prof. Dr. P. Sema Temizer OZAN
- 09:40-10:00** Prof. Dr. Ayşegül BİLDİK
Glycolysis in Cancer Cells
- 10:00-10:20** Prof. Dr. Suat ERDOĞAN
Role of Cancer Stem Cells in Cancer Biology and Therapy
- 10:20-10:40** Prof. Dr. Sefa ÇELİK
Therapeutic Potential of Endoplasmic Reticulum Stress Response in Cancer Treatment
- 10:40-11:00** Prof. Dr. Tevhide SEL
The impact of natural products for cancer therapy
- 11:00-11:20** ***Tea and Coffee Break / Poster Walk***
- 11:20-11:50** Prof. Dr. Behiç SERPEK
Biological Clock (Conference)
- 12:00-13:30** ***Lunch Break***

3rd ORAL SESSION-13 APRIL 2018, FRIDAY

Lalezar Hall

**Chairperson: Prof. Dr. Berrin SALMANOĞLU
Prof. Dr. Kemal Özdem ÖZTABAK**

13:30-13:40 Fatmagül YUR
Effect of lycopene application on the rats to which experimental diabetes was made on lypoproteine, paraoxonase, and cytokines

13:40-13:50 Saime GÜZEL
Making insulin producing beta cells from mouse embryonic stem cells: new insight into treatment of diabetes mellitus

13:50-14:00 Altuğ KÜÇÜKGÜL
Investigation the protective effects of kefir in experimental diabetes mellitus and nonalcoholic liver fattened rats

14:00-14:10 Ahmet Ufuk KÖMÜROĞLU
Effects of juniper berry (*Juniperus communis L.*) oil on histopathological and biochemical parameters of streptozotocin-induced diabetic rats

14:10-14:20 Ahmet UYAR
The effect of *Pistacia terebinthus* on oxidative stress-related GPx 1 and eNOS expression in streptozotocin-induced type 1 diabetic nephropathy

14:20-14:30 Ayşe USTA
The determination of the thymoquinone on the DNA damage in the high glucose applied cell with the comet assay

Divan Hall

**Chairperson: Prof. Dr. Mahmut KARAPEHLİVAN
Prof. Dr. Sena ÇENESİZ**

13:30-13:40 Mesut Bünyami HALICI
Investigation on effects of pomiferin purified from *Maclura pomifera* plants on cecal ligation-puncture induced sepsis model of rats

13:40-13:50 Ömer HAZMAN
Two faces of arbutin in liver carcinoma cells: anticancer effect in LD₅₀ dose and protective role against cisplatin toxicity in LD₅₀ dose

- 13:50-14:00** Adnan AYAN
Coagulation profile in neonatal diarrheal calves infected with *E. coli*
- 13:40-13:50** Gökhan NUR
Preservation of vitamin E against nephrotoxic effect induced by subacute dichlorvos application
- 13:50-14:00** Hatice ESER FAKI
The effects of combination of dexamethasone and minocycline with N-acetylcysteine/vitamin E on serum matrix metalloproteinase-9 and coenzyme Q10 levels in aflatoxin B1 administered rats
- 14:00-14:10** Zafer GÖNÜLALAN
Importance of horse breeding in meeting food demand and nutritional value
- 14:10-14:20** Ufuk MERCAN YÜCEL
Determination of some anabolic hormone residues in cattle meat consumption in Van

Sultan Fatih Hall

Chairperson: Prof. Dr. Onur ATAKİŞİ
Assoc. Prof. Dr. Feraye ESEN GÜRSEL

- 13:30-13:40** Fulya BENZER
Effects of curcumin on doxorubicin-induced cardiotoxicity in rats
- 13:30-13:40** Fatih Mehmet KANDEMİR
Ameliorative effect of naringin on cyclophosphamide-induced hepatotoxicity in Wistar rats
- 13:40-13:50** İsmet MEYDAN
Investigation of the preventive effect of lipid peroxidation in antioxidant activity and rat liver homogeneity of almond fruit (*Amygdalus trichamygdalus*)
- 13:50-14:00** İsmet MEYDAN
Anti-oxidant activity of Tunceli garlic (*Allium tuncelianum*) investigation of preventive effect of lipid peroxidation in rat liver homogeneity
- 14:00-14:10** Devran COŞKUN
Effect of enrofloxacin on the joint fluid/blood oxidative status and organ damage markers in rams

- 14:10-14:20** Haluk ULUCA
Investigation of the levels of oxidative stress markers of the catfish (*Clarias gariepinus*) from the Asi river
- 14:20-14:30** Hitame BAŞ
Investigation of some biochemical parameters in rats feed with trans fat
- 14:30-14:50** ***Tea and Coffee Break / Poster Walk***

4th ORAL SESSION-13 APRIL 2018, FRIDAY

Lalezar Hall

Chairperson: Prof. Dr. Sema GÜRGÖZE
Prof. Dr. Fatmagül YUR

- 14:50-15:00** Mehmet NİZAMLIOĞLU
An *in vivo* study on using *Lupinus albus* in diet
- 15:00-15:10** Parham TASLİMİ
Effect of tangeretin on α -glucosidase enzyme
- 15:10-15:20** Hacı Ahmet DEVECİ
Determination of serum paraoxonase activity, total sialic acid level, and oxidative status in cattle with clinical mastitis
- 15:20-15:30** Parham TASLİMİ
Actions of selected antibiotics from cephalosporin groups on the acetylcholinesterase and butyrylcholinesterase enzymes activities in different tissues of rats time-dependently: *in vivo* study
- 15:30-15:40** Kezban YILDIZ DALGINLI
Expression and biochemical characterization of recombinant lipase from *Bacillus pumilus* MBB03
- 15:40-15:50** Lokman DURMAZ
Effect of scopoletin on acetylcholinesterase enzyme
- 15:50-16:00** Hülya DEMİR
Purification, characterization and kinetic properties of glucose 6-phosphate dehydrogenase from *Polygonum cognatum meissn* leaves

16:00-16:10 Ozan TEKELİ
Investigation of anti-inflammatory and antioxidant activity of colon targeted boswellic acid and ellagic acid by drug delivery system: in vivo part (experimental design, histopathology, oxidative stress, inflammatory cytokines and protein expression levels)

Divan Hall

**Chairperson: Prof. Dr. Cevat NİSBET
Assoc. Prof. Dr. Saime GÜZEL**

14:50-15:00 Mehmet Hanifi DURAK
Investigation of trace element levels in small ruminants in Diyarbakır provinces and districts

15:00-15:10 İlker SENGÜL
Any relevancy between a kind of thyrocyte dysfunction, hypothyroidism, and inflammatory hematologic parameters in the cases possessing the benign thyroid nodules?: A single-centre experience of 5 years

15:10-15:20 Salih ÇİBUK
The effect of royal jelly on the estradiol levels and ovarium and uterus in rats with experimental hypothyroidism

15:20-15:30 Ufuk Mercan YÜCEL
Investigation of the protection effect of selenium on negative effects of amiodarone on thyroid

15:30-15:40 Gürkan ÇIKIM
Maternal hypothyroid homocysteine levels

15:40-15:50 Esra ÇELİK
Effects of feeding with restricted concentrate feed on blood biochemistry in free-range broilers

15:50-16:00 Ayris SALT
Investigation of relationship between the infectious pancreatic necrosis virus induced cell injury and oxidative stress *in vitro*

16:00-16:10 Funda ÇİMEN
Cytotoxic effect of lycopene and rosmarinic acid on human melanoma and lung cancer cell lines

Sultan Fatih Hall

**Chairperson: Assoc. Prof. Dr. Metin ÖĞÜN
Assoc. Prof. Dr. Gonca OZAN KOCAMÜFTÜOĞLU**

- 14:50-15:00** Esra ÇELİK
Effects of different plants breeding on some biochemical parameters in free-range broilers
- 15:00-15:10** Hikmet DİNÇ
Determination of 18 elements in free-range hen eggs with ICP-MS
- 15:10-15:20** Mustafa İLERİTÜRK
The lipid profiles of the chickens under lethal stress
- 15:20-15:30** Deniz BELENLİ
Effects of dietary cress seed (*Lepidium sativum*) supplementation on biochemical, performance parameters and MDA levels in broilers
- 15:30-15:40** Gülseren YILDIZ ÖZ
Paternity testing of some domestic sheep breeds in Turkey
- 15:40-15:50** Nilgün PAKSOY
Analysis of 18 elements in milk and feed of dairy Montofon cows from different regions of Turkey
- 15:50-16:00** Şeyma KARAKARÇAYILDIZ
Investigation of some biochemical parameters in rats feed with corn syrubb and trans fat
- 16:00-16:10** Akın TEMİZER
The taxonomy of the weasels in the Elazığ region
- 16:10-16:20** Akın TEMİZER
Comparison of *Lepus europaeus pallas* in Elazığ and Malatya with geometric morphometric methods
- 16:10-16:30** ***Tea and Coffee Break / Poster Walk***

*5 minutes for each speaker is given extra time for discussion

CLOSING CEREMONY

- 16:30-17:00** Poster Evaluation and Award Ceremony
17:00-18:00 Closing Speeches

19:00 GALA DINNER

14 APRIL 2018, SATURDAY

SOCIAL PROGRAMME

08:00-19:00

Hatay Archeology Museum

St. Pierre Church

Harbiye

Batıayaz Bridge

Hıdırbey Village

Vakıflı Village

Dor Sanctuary

Titus Tunnel (Samandağ)

Kaya Cemetery (Samandağ)

Çevlik Beach (Samandağ)

Dinner (Habib-i Neccar Social Facility)

15 APRIL 2018, SUNDAY

Leaving the Hotel