



4th International 33rd National Biophysics Congress 2022

August 31- September 3, 2022

**Adiyaman University Faculty of Medicine
Conference and Amphitheatres**

PROGRAM BOOK

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4th International 33rd National Biophysics Congress
31 August-03 September 2022, Adiyaman / TÜRKİYE
<https://biophysicscongress.adiyaman.edu.tr/en>

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The 4th International and 33rd National Biophysics Congress will be actualized from August 31st to September 3rd, 2022, in a hybrid format. The congress is organized by the Turkish Biophysics Society in collaboration with Adıyaman University in Adıyaman, Türkiye.

This organization assures an excellent platform to piece together a team of experts including students and scientists from around the world. Biophysics is a multidisciplinary area that cooperated with other basic and clinical medical sciences because of its interest in the physical processes of human beings. We believe that the interaction to be constituted in this congress is unique to discuss recent research in biophysics and to provide new collaboration opportunities in medical sciences. We are happy to see your participation in this effort.

Associated Prof. Celal GUVEN

Chairman of Congress

PROGRAM

HOUR	SESSIONS (DAY1)	WEDNESDAY (August 31, 2022)
09:00-12:30		REGISTRATION (Medicine Faculty)
12:30-13:30	LUNCH	(University Dinner Hall)
13:30-14:05	ADYU Rectorate Conference Hall	WELCOME AND PROTOCOL SPEECH
14:10-14:40	ADYU Rectorate Conference Hall	MUSIC AND FOLK DANCE SHOW
14:40-14:55	ADYU Rectorate Conference Hall	COFFEE BREAK
14:55- 15:40	ADYU Rectorate Hall Conference	Keynote Speaker <i>Prof. Elena POHL</i> Title: Dual transport function of mitochondrial uncoupling proteins
15:40-16:25	Prof. Cemil SERT Prof. Beki KAN	Conference Prof. Naranjan S. DHALLA Title: Mechanisms for the Loss of Adrenergic support in Heart Failure.
16:45- 19:00	City Tour	Travel (Perre Roman Antique City, Mor Petrus Mor Pavlus Syriac Church)
19:30	Dinner	Welcome Reception and Dinner (ADYU Tourism Practice Hotel)

HOUR	SESSIONS (DAY2)	THURSDAY (September 1 st , 2022)
09:00-09:45 09:45-10:30	Ibni Sina Conference Room Conference	Prof. Morad MARTIN Title: Cardiac Calcium signaling and Arrhythmia: CPVT1, Cardiac Ryanodine Receptors, and Human Stem Cells derived Cardiomyocytes
	Prof. Bayram YILMAZ Prof. Mete OZCAN	Assist Prof. Akifumi KISHI Title: Towards understanding and controlling human sleep Dynamics
10:30- 10:45		Coffee Break
10:45- 11:35	Ibni SINA Conference Room Oral presentations	Özlem Bozkurt Girit ; Hatice Fulva Yılmaz; Gizem Dönmez Yalçın; Mehmet Dinçer Bilgin Title: Low-intensity low-frequency pulsed ultrasound and withaferin A ameliorates nerve damage in diabetic neuropathy
	Prof. M. Tunaya KALKAN Assoc. Prof. Devrim OZARSLAN	Celal Guven; Eylem Taskın Guven ; Salih Tunc Kaya; Yusuf Sevgiler; Can Demirel; Cemil Sert Title: The effect of magnetic field on pancreatic beta cell line through HSP70/HSP90 pathways
	Prof. Aziz SANCAR Conference room Oral presentations	Fatma Özlem ; Gökçer Eskikurt; Aslı Ceren Macunluoğlu; Asiye Nurten; Ayfer Dayı Title: Evaluation Of The Effect Of Caffeine Consumption On Cognitive Functions By Electroencephalography In University Students
	Prof. Oya ORUN Assoc. Prof. Zeynep Ashlan DURER	Hesam Saghaei Bagheri; Ozlem Oztopuz; Fulva Yöntem; Reza Rahbarghazi; Emel Sokullu Title: Melatonin coupled with low-level laser irradiation potentially exerted oncostatic effects on rat glioma cells via Apoptosis Pathway
	Prof. Hulusi BEHCET Conference room Oral presentations	Salih Varol ; Yasin Karamazi; Muhammed Ali Gençaslan; Osman Çağrı İlhan; Burak Tan; Betül Yalçın; Süleyman Daşdağ; Korkut Yeğin; Arzu Hanım Yay; Fazile Cantürk Tan Title: Enzymatic and Histopathological Changes in Rat Liver Exposed to Pre-and Postnatal Radiofrequency Electromagnetic Field: A Generation Study
	Prof. Zulkuf AKDAG Asst. Prof. Guven AKCAY	Günnur Güler Title: Investigation of metabolic signatures of polyploid giant cancer cells in colon cancer with infrared spectroscopy
	Conference room A Oral presentations	Sercin Ozlem-Caliskan ; Rahsan Ilikci-Sagkan; Hatice Karakas; Sevgi Sever; Cansu Yildirim; Mısra Balıkcı; Hatice Ertabaklar Title: Photodynamic inactivation of Leishmania tropica promastigotes by malachite green: An in vitro study
	Prof. Isıl ALBENİZ Asst. Prof. Evren KILINC	Serkan Şahin Exploring the Color Change in the Partially Coherent Light Beams Passing Through Human Eye Lens
	Conference room B Oral presentations	Coşar Uzun ; Nurten Erdal; Özlem İzci Ay; Ümit Karakaş; Didem Derici Yıldırım; Hüseyin Durukan; Mahmut Berat Akdağ; Mehmet Emin Erdal Title: Examining The Genetic Effects Of Radiofrequency Electromagnetic Radiation (Mobile Phone Frequency; 1800, 2100 MHz) On Amniocyte
		Yasin Karamazi ; Mustafa Emre; Salih Çetiner; Title: The Effect of 5G (6 GHz) Radiofrequency Electromagnetic Field on Vitality and Apoptosis in Rat Blood Cell
		Burak Tan ; Nurcan Dursun Title: Investigation of Subsequent Long-Term Potentiation in Primed Hippocampal Dentate Gyrus by Low-Frequency Stimulations Varying Among 0.5-5 Hz
		Fazile Cantürk Tan ; Burak Tan; Betül Yalçın; Süleyman Daşdağ; Korkut Yeğin; Arzu Hanım Yay Title: Changes in the Histopathology and in the Proteins Related to the MAPK/ERK Pathway in the Brains of Rats Exposed to Pre-and Postnatal Radiofrequency Radiation
	Gizem Samgane ; Sinem Tunçer; Rafig Gurbanov Title: Investigation of the Synergistic Effects of Treatment with Chlorhexidine and Azithromycin on Escherichia coli by Infrared Spectroscopy	
	Hatice Fulva Yılmaz ; Özlem Bozkurt Girit; Title: Therapeutic Potential of Agmatine on Methotrexate-Induced Peripheral Neuropathy	
	Osman Çağrı İlhan ; Muhammed Ali Gençaslan; Salih Varol; Sümeyye Arıkan; Dicle Aslan; Fazile Cantürk Tan Title: Evaluation Of The Effect On Telomere Length Of Occupational Radiation Exposure Of Health Professionals	
	Mehmet Esref Alkas ; Mehmet Zülküf Akdağ; Sevgi İrtegün Kandemir Title: Effects of 50 Hz magnetic fields on chemotherapy and electrochemotherapy treatments	
	Denizhan Karış ; Gulfidan Cakmak; Alev Meltem Ercan; Fatma Ateş Title: The Relationship of Serum Zinc and Copper with Nitric Oxide and Asymmetric Dimethylarginine in Smokers	
	Muhammet Bektaş ; Bircan Dinç; Tahsin Ertay; Recep Üstünsoy Title: Effect of Solvent on Molecular Interactions: NAD – Diphtheria Toxin Case	

	Prof. Ayse DEMIRKAZIK Assos. Prof. Aykut PELIT	Aysegül Gemici; Osman Sinen Title: The Effect of Anesthesia/Stereotaxic Surgery on Cognitive Function in Male Rats Sevgi Günes; Çağatay Han Türkseven; Belgin Büyükkakilli Title: Effects of Thymus Vulgaris Oil on Sodium Hypochlorite Toxicity in Rats
11:40-12:30	Ibni Sina Conference Room Conference PANEL Prof. Belma TURAN	Prof. Belma TURAN Title: The effects of insulin resistance on membrane ion transport mechanisms in mammalian cardiac cells
		Associate Prof. Yusuf OLĞAR Title: Insulinotropic therapy in aging: GLP agonism and cardiovascular effects
		Associate Prof. Erkan TUNCAY Title: The Role of Lysine Acetylation on KATP Channel Function in Cardiomyocytes
		Assistant Aysegül DURAK Title: The role of stim1-orai1-mediated Ca ²⁺ entry in heart contraction in the model of insulin resistance
		Associate Prof. Deniz BİLLUR Title: The Relationship Between Connexin-43 and Prolonged QT-interval in surface recorded ECGs of the insulin-resistant Mammalian Heart
12:30-13:00	Lunch (University Dinner Hall)	
13:00-13:30	Poster Prensations	
13:30-14:15 14:15-15:00	Ibni Sina Conference Room Conference Prof. Can DEMIREL Assoc. Prof. Fatma ATES	Prof. Hua-Qian YANG Hua-Qian Yang, Marta Pe´rez-Herna´ndez, Jose Sanchez-Alonso, Andriy Shevchuk, Julia Gorelik, Eli Rothenberg, Mario Delmar, William Coetzee Title: Ankyrin-G mediates targeting of both Na ⁺ and K _{ATP} channels to the cardiac intercalated disk
		Prof. Ferit PEHLIVAN Title: Specialisation and Integration in Science and its Reflections to Education
15:00 15:45	Coffee Break and Poster Prensations (20-40)	
15:45- 16:35	Ibni SINA Conference Room Oral presentations Prof.Yekbun ADIGUZEL Assoc.Prof.Erkan TUNCAY	Fulya Dal Yöntem; Sefer Baday; Şeyma Bulut; Behnaz Ghaderkalankesh; Ebru Haciosmanoğlu; Gülden Budak; Muhammet Bektaş; Handan Akçakaya Title: Development of Novel Mitochondrial Fission Inhibitors Targeting Drp1-GTPase Interaction
		Simge Şenay; Deniz Ağırbaşlı; Devrim Öz-Arslan Title: The impact of high-density lipoprotein on the polarization and mitochondrial function of monocytes and macrophages
		Asli Aykac; Dilek Özbeyli; Kerem Terali; Duygu Hanoğlu; Kemal Hüsnü Can Başer; Goksel Sener Title: Evaluation of the Cognitive and Cholinergic Effect of R. Damascena in a Rat Amnesia Model
		Ferdi Doğan; Mikat Aktaş; Mehmet İsmail Gürsoy Title: Classification of Skin Diseases with Different Deep Learning Models and Comparison of the Performances of the Models
		Esra Karakoc; Çağla Celik; Guven Akcay Title: Investigation of Neuroprotective and Therapeutic Effects of Transcranial Direct Current Stimulation in Experimental Traumatic Brain Injury Model
	Prof. Aziz SANCAR Conference room Oral presentations Prof. Murat PEHLIVAN Assoc. Prof. Metin BUDAK	Huseyin Emre Ozturk; Guven Akcay Title: Investigation of Therapeutic Effects of tDCS on Hippocampal Glutamate and Calcium Excitotoxicity in an Experimental Traumatic Brain Injury Model
		Harun Başoğlu Title: Identification of a New In-Vitro Model of Epilepsy Due to Trk-B Receptor Activation in Brain Slices
		Yusuf Müslüm Ergül; Güven Akçay Title: Therapeutic Effects of Transcranial Direct Current Stimulation on the Glutamatergic Pathway in an Experimental Model of Cerebral
	Prof. Hulusi BEHCET Conference room Oral presentations	Ceylan Verda Bitirim; Yusuf Olgar; Kardelen Genç; Dünya Aydos; Ebru Kocakaya; Okan Ekim; K.Can Akçalı Title: Effects of Exosomal Modulation on Cardiac Regeneration and Cardioprotection in Cardiomyocytes and Cardiac Stem Cells
		Handan Kayhan; Elif Taşpınar Şimşek; Sanem Gökçen; Elçin Özgür Büyükkatalay Title: Hyperthermic effects on healthy fibroblast and leukemia cells

	Prof. Belgin BUYUKAKILLI Assos. Prof. Mehmet SARAC	<p>Hesam Saghaei Bagheri; Emel Sokullu; Özlem Öztopuz Title: The combination of cyclophosphamide treatment and low-level laser irradiation (LLL) attenuates cell growth in RG2 cell line</p> <p>Emel Sokullu Title: Micro/Nano Platforms for Optogenetic Technologies and Photobiomodulation</p>
	Conference room A Oral presentations Prof. Nazmi YARAS Asist. Dr. Bilge OZERMAN EDIS	<p>İbrahim Bozgevik Title: Curcumin selectively activates the expression of HIF1A-AS1 but not HIF1A in triple-negative breast cancer cell</p> <p>Pınar Bayram; Muhammed Yayla Title: The effect of jaceosidin on insulin resistance in human hepg2 cells</p> <p>Ferah Bulut; Münevver Gizem Hekim; Batuhan Bilgin; Muhammed Mirac Kelestemur; Muhammed Adam; Aslisah Ozgen; Mete Ozcan Title: Humanin Inhibits Diabetes-Induced Apoptosis and Inflammation in Hippocampus and Prefrontal Cortex in Mice</p> <p>Muhammed Adam; Ferah Bulut; Batuhan Bilgin; Muhammed Mirac Kelestemur; Münevver Gizem Hekim; Semih Dalkilic; Mete Ozcan Title: Asprosin Modulates miRNA-181a Expression in Dorsal Root Ganglions of Diabetic Mice</p>
	Conference room B Oral presentations Assoc. Prof. Ismail ABIDIN Assoc. Prof. Ozlem BOZKURT	<p>Gökhan Zorlu; Özge Zorlu; Aysun Uçer; İbrahim Halil Güngör; Aslıhan Çakır; Gaffari Türk; İhsan Serhatlioğlu Title: Consumption of High Fructose Corn Syrup Delays Puberty in Male Rats</p> <p>Seval Musuroglu Keloglan; Leyla Sahin; Sayad Kocahan Title: Effect of Caffeine on Hippocampal SNAP25 and GFAP in a Social Isolation Stress</p> <p>Nimet Temur; Yusuf Müslüm Ergul; Cagla Celik; Ismail Ocsoy; Guven Akcay Title: Early Diabetes Estimation with Machine Learning</p> <p>Sanem Arikan Title: Associations of IL-6 Polymorphisms and Haplotypes with Obesity in a Turkish population</p>
	16:35-17:20	Ibni Sina Conference Room CONFERENCE Prof. Ferit PEHLIVAN Assoc. Prof. Fazile CANTURK TAN
17:25	Travel	Sightseeing and Dinner (Samsat)

HOURS	SESSIONS (DAY3)	FRIDAY (September 2 nd , 2022)
09:00-09:45 09:45-10:30	Ibni Sina Conference Room Conference	Prof. Erol EROGLU Title: In Silico an Investigation of Allostery in Proteins: Applications to MPro and Carbonic Anhydrase II
	Prof. M. Can AKYOLCU Assoc. Prof. Gulsun MEMİ	Prof. Erdinc SEZGIN Title: Measuring biophysical properties of cells in health and disease
10:30- 10:45	Coffee Break	
10:45-11:40	Ibni SINA Conference Room Oral presentations Assoc.Prof. Devrim SARIBAL Assoc.Prof. Ayhan UNLU	Celal Guven; Salih Tunc Kaya ; Eylem Taskin Guven Title: The protective effect of melatonin on doxorubicin's cardiomyocytes toxicity via hmgb1/tr4/mapk pathways
		Hande Kasap Can; Devrim Öz-Arslan; Beki Kan; Zeynep Ashhan Durer ; Title: An Investigation into the effect of the Different Vinculin Isoforms in the Morphology of H9C2 Cells
		Ekrem Yaşar ; Erol Eroğlu; Nazmi Yaraş Title: An Investigation Effect of AngII and Ang(1-7) Binding on The Dynamics of AT2 Receptor by Micro-Second MD Simulation
	Prof. Aziz SANCAR Conference room Oral presentations Prof. Erol EROGLU Assoc. Prof. Bilge GUVENC	Gülsün Memi ; Elif Merve Betül Yanılmaz; Ebru Annaç; Mehmet Salih Kaya Title: Effects of thymoquinone on kidney and bladder in cyclophosphamide-induced oxidative damage
		Fatma Ates ; Ramazan Sabırlı; Duygu Tarhan; Aylin Kösele; Alev Meltem Ercan Title: Evaluation of Trace Element Alterations Caused by Coronary Artery Disease
		Evren Kılınç ; Zeynep Ashhan Durer; Merve Öztuğ; Emel Baloğlu Title: Proteomic investigation of acute and chronic hypoxia reoxygenation responsive hemostatic proteins and pathways in H9C2 cardiomyocytes
	Prof. Hulusi BEHCET Conference room Oral presentations Prof. Muhammet BEKTAS Asst. Prof. Fulya DAL YONTEM	Elif Merve Betül Yanılmaz ; Gülsün Memi; Mehmet Salih Kaya; Ebru Annaç Title: The Protective Effects of Thymoquinone on Cyclophosphamide-Induced Cardiotoxicity
		Ceren Celik Title: The role of pyridostigmine (mestinox®) treatment in myasthenia gravis disease: an infrared spectroscopic study by using human serum
		Selçuk Şen; Ebru Hacısmanoğlu Title: Comparing the Effects of Telmisartan, Perindopril, and Nebivolol on Neuroprotection in LPS-induced Neuron Like Cells
	Conference room A Oral presentations Prof. Isıl OCA Assoc. Prof. Erdal BINBOGA	Hakan Er Title: Effects of Acetyl-L-Carnitine Administration on EEG in Rats Exposed to Chronic Ethanol
		Hatice Keser ; Özlem Bozkurt Girit; Selcen Aydın Abidin; Mehmet Dinçer Bilgin; Ahmet Alver; İsmail Abidin Title: Behavioral And Neurochemical Effects Of High Cholesterol Diet On Brain Derived Neurotrophic Factor (Bdnf) Heterozygous Mice
		Kamil Savaş Title: The effect of end plate distribution on motor unit potential duration and consecutive motor unit potential instability
Conference room B	Mehmet Sarac ; Ünal Bakal; Tugay Tartar; Tuncay Kuloğlu; Süleyman Aydın; İbrahim Akdeniz; Meltem Yardim; Mustafa Yılmaz; Mustafa Aydın; Ahmet Kazez Title: A new biomarker for the diagnosis of experimental unilateral ureteropelvic junction obstruction: renalase	
	Melike Nur Yangin ; Esra Basar Gursoy; Bedile Irem Tiftikcioglu; Feride Severcan Title: Evaluation the effect of prednisolone (deltacortril®) on myasthenia gravis by infrared spectroscopy	
		Muhittin Önderci ; Mehmet Bülbül; İlyas Şahin; Title: Investigation Of Proline Rich Acidic Protein 1 (Prap1) Levels In Preterm Delivery
		Selma Solgun Dağ ; Davut Özbağ; Egemen Kizilay

	Oral presentations Prof. Nihal HAMAMCI Assoc. Prof. Mehmet Esref ALKIS	Title: Investigation of Thorax Deformities in Different Clinical Types of Patients with Cerebral Palsy Gülru Esen; Rabia Rüya Güler; Erman Altunışık; Mehmet Şirik Title: Retrospective Evaluation of Brainstem Volume in Migraine Patients Serhat Yaslikaya Title: Determination of the effect of vitamin D on the sense of smell
	Conference room C Oral presentations Prof. Mehmet Kaya OZER Assoc. Prof. Ihsan SERHATLIOĞLU	Süleyman Üçüncüoğlu Title: DNA Tension may increase CRISPR-Cas9 and sgRNA dissociation/association rate Investigation of proline rich acidic protein 1 (prap1) levels in preterm delivery Yasin Gökçe Title: The Efficacy of Some Pharmacological Agents with Suppressive Properties Against SOCE Nazlı Ezer Özer; Bahar Öztürk Kurt; Ayça Doğan; Semra Özdemir Title: Effects of high carbohydrate and high fat diets on skeletal muscle lipid and trace element contents
11:40-12:30	Ibni Sina Conference Room PANEL Prof. Bahar GUNTEKIN	Prof. Bahar GUNTEKIN Title: Event-related EEG Brain Oscillations Methods and Applications
		Prof. Bahar GUNTEKIN Title: Event-related EEG oscillations in healthy individuals and dementia groups and non-invasive neuromodulation of oscillations
		Phd student Tuba AKTURK Title: The use of transcranial alternating current stimulation to modulate EEG-brain oscillations with measurable effect on cognition
		PhD. Ebru YILDIRIM Title: Investigation of Cognitive Functions in Different Types of Dementia by the Event-related EEG Brain Oscillations
12:30-13:30	Lunch	(University Dinner Hall)
13:30-13:45 13:45-14:30	Ibni Sina Conference Room Conference Prof. Ismail GUNAY Prof. Eylem TASKIN GUVEN	Prof. Bayram YILMAZ Yavuz Yavuz, Özge Başer, H. Buğra Özgün, Deniz Öykü Özen, Sami Ağuş, Zehra Yağmur Erol, Bayram Yılmaz Title: Hypothalamic Circuits Controlling Energy Metabolism: Use of Electrophysiology, Fluorescent Microscopy and Opto/Chemogenetic Methods with Transgenic Mice Models Prof. Zoltan PAPP Title: Cardiac myofilament protein alterations during health and disease
		Coffee Break
14:45-15:30 15:30-16:15	Ibni Sina Conference Room Conference Prof. Erdinc SEZGIN Asist. Prof. Omer Can DEMIRTAS	Prof. Suresh TYAGI Suresh C. Tyagi, M.Phil., Ph.D., D.Sc. (Hon), FAHA, FAPS, FIACS Title: Dysbiotic 1-Carbon Metabolism in Growth Retardation Prof. Murat PEHLIVAN Title: Biophysical Overview of the Occurrence of Diseases and Application of Bioresonance as a Complementary Treatment Option
		Coffee Break
16:30-16:50	Ibni Sina Conference Room Showing Respect to the Master Assoc. Prof. Celal GUVEN Asst. Prof. Ebru HACIOSMANOĞLU	Prof. Ferit PEHLIVAN Title: Commemoration of “Prof.Hamza ESEN” Prof. Işıl ALBENİZ Title: Commemoration of “Prof. Demir TIRYAKI”
	16:50-17:30	Closing & Awards Ceremony

Notice. We will depart at 3:00 am to watch the sunrise on Mount Nemrut and the ruins of the ancient kingdom of Commagene. Please register at the registration desk.

	<i>Saturday, (September 3rd, 2022)</i>
	<i>Nemrut Mountain</i>
	<i>Breakfast (Gerger Falcon Hill)</i>
	<i>Arsameia Sacred Area</i>
	<i>Tumulus and Mounds</i>
	<i>Cendere Bridge</i>
	<i>Lunch (Çat Dam Social Facilities)</i>

POSTER PRESENTATIONS

1. **Avdın Sever**; Mehmet Çay; Gözde Arkalı; Edanur Güler
The Effect of Selenium Application on Oxidative Values in Rats Exercising Until Depletion
2. Sinem Tunçer; **Avse Suna Cetin**; Zeynep Güngördü Dalar; Esra Gürsoy; Bedile İrem Tiftikçioğlu; Rafiq Gurbanov; Feride Severcan
Determination of the levels of peripheral CD4+ and CD8+ T cells in Turkish myasthenia gravis patients
3. **Barış Narin**; Erdal Binboğa; Serdar Tok
Effects of Different Colored Lights on Cognitive Performances and Autonomic Nervous System
4. Betül Danışman, **Güven Akçay**; Deniz Kantar
Effects of Prenatal and Postnatal Exposure of Thiamine Deficiency on Learning and Memory in Adulthood
5. **Bilge Guvenc Tuna**; Ali Fethi Okyar; Cevat Volkan Karadag; Omer Faruk Buyukkaya; Sukru Furkan Tasdemir
Simulation of arterial biomechanics based on a biphasic micromechanical finite element model
6. **Bugrahan Sancak**; Deniz Inonu; F. Tuna Saglam; Gulsum Alp; Semanur Isik; M. Utku Sevinc; Enes B. Sarikaya; Ece Tuana Erdogan; Erkan Tuncay
Protective Role of Sirtuin1 in insulin resistant cardiomyocytes
7. Hacer Sinem Büyüknacar; Murat Tokuş; **Çağrı Coskun**; Figen Çiçek
Evaluation of the Effect of Donepezil on Skeletal Muscle Contraction Responses in Frogs
8. **Dilara Buse Durdabak**, Soner Dogan, Veli Cengiz Özalp, Bilge Guvenc Tuna
Detection of β -Thalassemia Mutations Using Probe-Gated Silica Nanoparticles
9. **Enes Akvuz**; Züleyha Doğanıyığıt; Ashı Okan; Seher Yılmaz; Sümeyye Uçar; Ali Tuğrul Akın; Arda Kaan Üner
Immuno-density of muscarinic receptors and Kir3.1 channel in autonomic tissues under demyelinated conditions
10. Ezgi Sevilmiş; **Erdal Binboğa**; Eda Atakurt Baytaş; Ozan Atalağ; Melih Balyan
Comparison of Muscle Activation During Three Different Upper Body Exercises
11. **Esin Geçkil Koskoca**; Davut ÖZBAĞ; Atilla Yoldaş; Meltem Güngör; Emine Kılınç; Adem Doğaner
Anti-inflammatory and Anti-fibrotic Effects of Vitamin D Supplementation and Swimming Exercise in Bleomycin-Induced Lung Fibrosis in Rat
12. **Gül Şimşek**; Şeyma Özbek; Hilmi Burak Kandilci
The Chronic Effects of Iron Overload on T-type Ca²⁺ Currents in HL-1 Cells
13. **Günnaz Capan**; Erdi Buluş; Işıl Albeniz
Co-Development of Polycarbolactan (PCL)-Hydroxyapatite (HA) Component Nanofiber Scaffolds with Hexagonal Boron Nitrate
14. Nazlı Öztoprak; **Günnur Güler**
Tracking of β -lactoglobulin structure during slightly-heated hydrolytic process with infrared spectroscopy
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