Scientific Program
4th International Congress of the Serbian Society for Mitochondrial and Free Radical Physiology

September 28th-30th, 2018 University of Belgrade Rectorate Palace Studentski trg 1



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210th anniversary of the University of Belgrade

Organisers

Serbian Society for Mitochondrial and Free Radical Physiology Ministry of Education, Science and Technological Development Serbian Academy of Sciences and Arts

University of Belgrade: Faculty of Biology; Faculty of Pharmacy; Institute for Biological Research "Sinisa Stankovic"; Faculty of Medicine; Institute for Medical Research; Institute of Molecular Genetics and Genetic Engineering; Institute for Multidisciplinary Research; Vinca Institute of Nuclear Science; Institute for Applied Nuclear Energy; Institute for Chemistry, Technology and Metallurgy; Faculty of Physical Chemistry; Faculty of Chemistry

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University of Nis: Faculty of Medicine; Faculty of Science

University of Kragujevac: Faculty of Science; Faculty of Medicine

University of Pristina (Kosovska Mitrovica): Faculty of Natural Sciences and Mathematics;

Faculty of Medical Sciences

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4th Congress CHALLENGES IN REDOX BIOLOGY

Scientific Program

September 28th – September 30th 2018

Rectorate Palace Studentski trg 1, Belgrade

Friday, 28th September 2018

08:00-	Registration, Poster arrangements, Welcome cocktail
09:00-09:30	 Opening ceremony and welcome messages Representative of the Ministry of Education, Science and Technological Development of the Republic of Serbia Prof. Željko Tomanović - Dean of the Faculty of Biology Academician Prof. Vladimir Bumbaširević - Rector of the University of Belgrade Prof. Josiane Cillard - President of SFRR Europe In memoriam: Professor Lester Packer
SESSION 1.	
Chairpersons: Ba	rry Halliwell, Giovanni E. Mann, Ivana Stojanović
09:30-10:10	The Interactions Between Nitric Oxide and Oxygen at the Mitochondria. Biological Implications Salvador Moncada, UK
10:10-10:40	Role of Glutathione in Epigenetic Regulation Federico V. Pallardó, Spain
10:40-11:10	Health-Enhancing Exercise and Redox Homeostasis: Correlation with Genomic Modifications Daniela Caporossi, Italy
11:10-11:30	Coffee Break / POSTER SESSION

SESSION 2.

Chairpersons: Francesco Galli, Michail Rallis, Aleksandra Janković

11:30-12:00	Environmental Noise is a Cardiovascular Risk Factor - Mechanistic Insights on Oxidative Stress and Inflammatory Pathways from Studies in Mice Andreas Daiber, Germany
12:00-12:10	eNOS is Upregulated in Human Internal Thoracic Artery After Remote Ischemic Preconditioning Sava Mašović, Serbia
12:10-12:40	Abdominal Aortic Aneurysm (AAA): Is There a Role for the Prevention and Therapy Using Antioxidants? Joël Pincemail, Belgium
12:40-12:50	Development and Validation of an Analytical Assay for the Detection and Quantification of 3-Nitrotyrosine in Animal Models of Cardiovascular Disease Ksenija Vujačić-Mirski, Germany
12:50-13:10	Telomere Length, Telomerase Activity and Interaction with Redox System in Acute Myocardial Infarction and Lung Cancer Jelena Kotur-Stevuljević, Serbia
13:10-13:30	The Induction of Macrophage Extracellular Trap Formation by Hypochlorous Acid (HOCI) and Other Inflammatory Mediators Clare Hawkins, Australia
13:30-15:00	Lunch / POSTER SESSION

SESSION 3.	
Chairpersons: Giu	seppe Poli, Joël Pincemail, Ivana Ivanović-Burmazović
15:00-15:30	Neurovascular Coupling Mediated by Neuronal Nitric Oxide in Hippocampus Might be Sustained by Ascorbate and Nitrite Under Hypoxic Conditions
	João Laranjinha, Portugal
15:30-15:40	Activity and Concentration of Paraoxonase 1 in Blood and Lipoprotein Fractions in Patients with Chronic Kidney Disease Milica Miljković, Serbia
15:40-16:10	OxInflammation in Rett Syndrome Giuseppe Valacchi, Italy
16:10-16:30	Mitochondrial Fe-S Clusters in Neurodegenerative Diseases Ana Popović-Bijelić, Serbia
16:30-16:50	Three-Act Story of Labile Iron Pool: Adrenaline, Ascorbate, and Amino Acids Ivan Spasojević, Serbia
16:50-17:00	ddPCR LABENA CHALLENGE
17:00-17:30	Coffee Break / POSTER SESSION

SESSION 4.

Chairpersons: Federico V. Pallardó, Daniela Caporossi, Aleksandra Korać

Dedicated to Academician Ivan Djaja - the founder of Belgrade School of Physiology, and Academician Vojislav Petrović - the initiator of free radical research in Serbia

17:30-18:00	Mitochondria, Metabolic Arrest and Strategies of Adaptation to Environmental Stress Kenneth B. Storey, Canada
18:00-18:10	Investigation of COX4 Isoform Pair Biological Role Using HEK293 Cell-Line Based Knock-out and Knock-in Models Kristýna Čunátová, Czech Republic
18:10-18:40	Redox Regulation of Proteolysis in Metabolic Diseases Tilman Grune, Germany
18:40-19:10	Knockout of DAPIT Protein Disrupts ATP Synthase Oligomerisation and has a Profound Role in Regulation of Glucose Homeostasis Tomáš Mráček, Czech Republic
19:10-19:30	Emerging Perspectives for Diabetes Treatments: Redox Modulators and Energy Metabolism Ana Stančić, Serbia

Saturday, 29th September 2018

08:00-09:00

Lecture for master, PhD and post-doc students

Chairpersons: Snežana Pajović, Bato Korać

Successful Publishing in Redox Biology Field:

The Editors View

Tilman Grune, Germany

SESSION 5.

Chairpersons: Salvador Moncada, Michael J. Davies, Tatjana Simić

09:00-9:40	Adventures with Ergothioneine Barry Halliwell, Singapore
09:40-09:50	Relation of Obesity to Redox Regulation and Metabolic Reprogramming in Premenopausal Breast Cancer Andjelika Kalezic, Serbia
09:50-10:20	Oxygen, Sulfur, Selenium and Lipid Rancidity: How GPx4 Controls Cell Life and Death Fulvio Ursini, Italy
10:20-10:50	Bioinorganic Redox Signaling and its Medical Application Ivana Ivanović-Burmazović, Germany
10:50-11:30	Coffee Break / POSTER SESSION

SESSION 6.

Chairpersons: Kenneth B. Storey, João Laranjinha, Juan Sastre

11:30-12:00	Cholesterol Oxidation Between Health and Disease: Focus on the Antiviral Properties of Enzymatic Oxysterols Giuseppe Poli, Italy
12:00-12:30	Identification and Quantifications of Protein Modifications, and Their Biological Consequences Michael J. Davies, Denmark
12:30-12:40	Combination of Cold Physical Plasma Derived Oxidants and Chemotherapeutic Agents Induce Immunogenic Cell Death via Upregulation of SLC22A16 in Melanoma Cells Rajesh Kumar Gandhirajan, Germany
12:40-13:00	Targeting Inflammation in Cancer Treatment Danijela Maksimović-Ivanić, Serbia
13:00-14:30	Lunch / POSTER SESSION

SESSION 7.

Chairpersons: Ron Kohen, Tomáš Mráček, Giuseppe Valacchi

Chairpersons: Rol	п копеп, тотпаѕ мігасек, Giuseppe valacciii
14:30-15:00	Redox Signaling and Epigenetics in Acute Pancreatitis Juan Sastre, Spain
15:00-15:10	The Effect of Sirt3 Expression on Human Breast Cancer Cells in Normoxia and Hyperoxia Sandra Sobočanec, Croatia
15:10-15:40	Squamous Cell Carcinoma, Oxidative Stress and Diabetes Michail Rallis, Greece
15:40-15:50	The Level of Oxidative Stress Determines the Role of Extracellular HMGB1 Protein in Diabetic Rat Liver Anja Petrović, Serbia
15:50-16:10	The Role of Impaired Redox Regulation in Renal Cell Carcinoma Development and Progression Marija Plješa Ercegovac, Serbia
16:10-16:20	DMSO Pre-Treatment of MCF-7 Breast Cancer Cells for Evaluation of the Effects of Gamma Rays and Carbon Ions Vladana Petković, Serbia
16:20-17:00	Coffee Break / POSTER SESSION

SESSION 8.

Chairpersons: Fulvio Ursini, Tilman Grune, Andreas Daiber

17:00-17:30 Nrf2-Regulated Redox Signaling in Vascular Cells: Implications for Clinical Translation Giovanni E. Mann, UK 17:30-18:00 The Nrf2/GSTP Interactome and its Role in Stress-Mediated Regulation of Cellular Thiol Metabolism and Signaling Francesco Galli, Italy 18:00-18:10 Concomitance of Polymorphisms in Glutathione Transferase Omega Genes is Associated with Renal Cell Carcinoma Risk and Prognosis Tanja Radić, Serbia 18:10-18:40 Modulation of the Protecting Nrf2-Keap1 Pathway in Skin by Unique Activators: Chemical, Biological and Environmental Ron Kohen, Israel 18:40-19:00 Modulation of Nrf2-Keap1 Signaling in Male Infertility Vesna Otašević, Serbia 19:00-19:10 CONCLUSIONS – AWARDS Bato Korać, Salvador Moncada		
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Vesna Otašević, Serbia 19:00-19:10 CONCLUSIONS – AWARDS Bato Korać, Salvador Moncada	18:10-18:40	Modulation of the Protecting Nrf2-Keap1 Pathway in Skin by Unique Activators: Chemical, Biological and Environmental
Bato Korać, Salvador Moncada	18:40-19:00	
10:10	19:00-19:10	
Cocktail / Rectorate, Ground Floor Hall	19:10-	Cocktail / Rectorate, Ground Floor Hall

Sunday, 30th September 2018

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Excursion / Lunch

- Historical Museum of Serbia Knez Mihailova Street Kalemegdan Fortress Churches Ruzica and St. Petka
- Lunch

Poster presentations

${ m P~01}$ - N-6/N-3 RATIO IN LIVER PHOSPHOLIPIDS AS A BIOMARKER OF AGING IN FISH OIL WISTAR RATS TREATMENT

<u>Tamara B. Popović</u>, Jasmina Debeljak Martačić, Slavica Ranković, Biljana Pokimica, Gordana Petrović Oggiano, Marija Glibetić

P 02 - BAX AND 4-HNE EXPRESSIONS IN RATS TREATED WITH INDOMETHACIN PRIOR TO LIVER ISCHEMIC-REPERFUSION INJURY

<u>Nikola Stojanović</u>, Milan Radojković, Vladimir Petrović, Ivan Ilić, Bogdan Stojiljković, Mirjana Ilić, Pavle Randjelović, Niko Radulović

P 03 - CENTRAL FAT DEPOSITION, PREMENOPAUSAL BREAST CANCER AND BREAST ADPOSE TISSUE REDOX STATE

Mirjana Udicki, Sava Mašović, Aleksandra Korać, Aleksandra Janković, Bato Korać, Biljana Srdić Galić

P 04 - THE EFFECTS OF CATALASE ACTIVITY IN HYPERTENSIVE RATS ON KIDNEY FUNCTION IN EXPERIMENTAL MODEL OF ISCHEMIC ACUTE KIDNEY INJURY

<u>Milan Ivanov</u>, Una Jovana Vajić, Đurđica Jovović, Danijela Karanović, Nevena Mihailović Stanojević, Jelica Grujić Milanović, Zoran Miloradović

P 05 - PROTEIN-PROTEIN INTERACTION BETWEEN GLYOXALASE II AND SPECIFIC REDOX DEPENDENT PROTEINS THROUGH S-GLUTATHIONYLATION MODIFICATION

<u>Laura Cianfruglia</u>, Cristina Minnelli, Andrea Scirè, Emiliano Laudadio, Giovanna Mobbili, Roberta Galeazzi, Giovanni Principato, Tatiana Armeni

P 06 - LYSINE METHYLATION REGULATES TRANSCRIPTIONAL CONTROL DURING HIBERNATION IN ICTIDOMYS TRIDECEMLINEATUS

Alexander Watts, Kenneth B. Storey

P 07 - A LITTLE PARP OF DNA DAMAGE AND REPAIR DURING HIBERNATION IN THE 13-LINED GROUND SQUIRREL

Kama Szereszewski, Kenneth B. Storey

P 08 - THE RESPONSE OF COLD-SHOCK RNA-BINDING PROTEINS DURING HIBERNATION IN 13-LINED GROUND SQUIRRELS

Samantha Logan, Kenneth B. Storey

P 09 - THE HIBERNATING SOUTH AMERICAN MARSUPIAL, DROMICIOPS GLIROIDES, DISPLAYS TORPOR-SENSITIVE MICRORNA EXPRESSION PATTERNS

Hanane Hadj-Moussa, Jason A. Moggridge, Bryan E. Luu, Julian F. Quintero-Galvis, Roberto F. Nespolo, Kenneth B. Storey

P 10 - DEVELOPMENT OF ANALYTICAL ASSAYS FOR THE DETECTION AND QUANTIFICATION OF REACTIVE OXYGEN AND NITROGEN SPECIES IN BIOLOGICAL SAMPLES IN AN ANIMAL MODEL OF ARTERIAL HYPERTENSION WITH EMPHASIS ON SUPEROXIDE AND NITRIC OXIDE-IMPACT ON INFLAMMATION AND VICE VERSA

<u>Sanela Kalinovic</u>, Matthias Oelze, Swenja Kröller-Schön, Ksenija Vujacic Mirski, Sebastian Steven, Thomas Münzel, Andreas Daiber

P 11 - ESTABLISHMENT AND CHARACTERIZATION OF NEW ANIMAL MODELS TO STUDY THE ADVERSE CARDIOVASCULAR EFFECTS OF E-CIGARETTE EXPOSURE USING A NOVEL EXPOSURE SYSTEM

<u>Marin Kuntic</u>, Matthias Oelze, Sanela Kalinovic, Ksenija Vujacic Mirski, Sebastian Steven, Andreas Daiber, Thomas Münzel

P 12 - THE EFFECTS OF FOOD ENRICHED BY FISH ON OXIDATIVE STRESS IN WORKING DOGS

<u>Branko Ravić</u>, Tamara Popović, Nevena Kardum, Jasmina Debeljak Martačić, Biljana Pokimica, Slavica Ranković, Maria Glibetić

P 13 - EVALUATION OF WALNUTS FATTY ACIDS, TOTAL PHENOLICS OF WALNUT CULTIVARS IN SERBIA

<u>Gordana Petrović-Oggiano</u>, Tamara Popović, Zora Djurić, Biljana Pokimica, Alma Mirić, Milica Kojadinović, Manja Zec, Slavica Ranković, Marina Nikolic, Marija Glibetić, Jasmina Debeljak Martačić

P 14 - ISOLATION, IDENTIFICATION AND ANTIOXIDANT ACTIVITY OF PIPERINE FROM BLACK PEPPER (PIPER NIGRUM L.)

Ljiljana Stanojević, Jelena Stanojević, Jelena Zvezdanović, Dragan Cvetković, <u>Aleksandar Lazarević</u>

P 15 - SYNTHETIC TUBULYSIN, TUBUGI 1, INDUCED MITOTIC CATASTROPHE IN THE A-375 MELANOMA CELLS

<u>Dijana Drača</u>, Sanja Mijatović, Tamara Krajnović, Goran N. Kaluđerović, Ludger A. Wessjohan, Danijela Maksimović-Ivanić

P 16 - INTERPLAY BETWEEN REACTIVE OXYGEN SPECIES, ANTIOXIDANT SYSTEM ND NO SIGNALING IN PATIENTS WITH CHRONIC MYELOID LEUKEMIA

<u>Dragoslava Đikić</u>, Dragana Marković, Andrija Bogdanović, Miloš Diklić, Marijana Kovačić, Vladan P. Čokić

P 17 - PROGESTERON EXERTS ANTI-OXIDATIVE FEATURES IN RAT MODEL OF PERMANENT OCCLUSION OF COMMON CAROTID ARTERIES

<u>Ivana Guševac Stojanović</u>, Marina Zarić, Jelena Martinović, Nataša Mitrović, Ivana Grković, Dunja Drakulić

P 18 - ARE PARAMETERS OF OXIDATIVE/NITROSATIVE STRESS AFFECTED BY TRANSIENT ISCHEMIC ATTACK AND DEHYDROEPIANDROSTERONE?

<u>Marina Zarić</u>, Dunja Drakulić, Milorad Dragić, Ivana Guševac Stojanović, Nataša Mitrović, Ivana Grković, Jelena Martinović

P 19 - ANALYSIS OF PATHOGENIC mtDNA MUTATIONS ASSOCIATED WITH LEBER'S HEREDITARY OPTIC NEUROPATHY: OUR EXPERIENCE

<u>Phepy Gamil Anwar Dawod</u>, Branislav Rovcanin, Marija Brankovic, Ana Marjanovic, Milena Jankovic, Ivana Novakovic, Fayda Ibrahim Abdel Motaleb, Jasna Jancic, Vladimir Kostic

P 20 - ACTIVITIES OF CARDIAC TISSUE MMP-2 AND MMP-9 IN DIABETIC RATS - THE ROLE OF FOLIC ACID

<u>Slavica Mutavdzin</u>, Kristina Gopcevic, Jovana Jakovljevic Uzelac, Jovan Despotovic, Milica Labudovic Borovic, Sanja Stankovic, Dragan Djuric

P 21 - IN VITRO STUDY OF LOPINAVIR-NO NITRIC OXIDE DONATING PROPERTIES IN MOUSE MELANOMA

Svetlana Paskaš, Sara Rakočević, Ferdinando Nicoletti, Sanja Mijatović, Danijela Maksimović-Ivanić

P 22 - THE ASSOCIATION BETWEEN NRF1 AND SOD2 GENETIC POLYMORPHISMS WITH THE RISK AND OVERALL SURVIVAL IN PATIENTS WITH CLEAR CELL RENAL CELL CARCINOMA

<u>Vesna M. Coric</u>, Smiljana Mihailovic, Tatjana Simic, Ana Savic Radojevic, Marija Matic, Dejan Dragicevic, Tanja Radic, Zoran Dzamic, Marija Pljesa Ercegovac

P 23 - THE EFFECT OF LONG-TERM COCOA SUPPLEMENTATION ON ERYTHROCYTE AND HEPATOCYTE SUPEROXIDE DISMUTASE ACTIVITY IN C57BL/6J MICE

Vanja Todorović, Nevena Dabetić, Jelena Kotur-Stevuljević, Slađana Šobajić

P 24 - SENESCENT PERIPHERAL BLOOD MESENCHYMAL STROMAL CELLS INDUCED BY HYDROXYUREA INHIBITS BYSTANDER HUMAN ERYTHROLEUKEMIA HEL CELL PROLIFERATION

Sunčica Bjelica, Stefan Lazić, Marija Živanović, Vladan P. Čokić, Juan F. Santibanez

P 25 - ASSOCIATION OF REPRODUCTIVE FACTORS AND ANTIOXIDANT STATUS IN UTERUS OF GYNECOLOGICAL PATIENTS

<u>Snežana Pejić</u>, Vesna Stojiljković, Ana Todorović, Ljubica Gavrilović, Nataša Popović, Ivan Pavlović, Snežana B. Pajović

P 26 - EFFECTS OF DIETARY CADMIUM AND ZINC ON CATALASE ACTIVITY AND PROTEIN THIOL CONTENT IN OSTRINIA NUBILALIS (HBN.) LARVAE

<u>Mila Mandić</u>, Danijela Kojić, Filip Franeta, Elvira Vukašinović, Snežana Orčić, Tatjana V. Nikolić, Željko D. Popović, Iva Uzelac, Miloš Avramov, Jelena Purać

P 27 - OXIDATIVE STRESS IN NATURAL DEVELOPING TADPOLES OF PELOPHYLAX ESCULENTUS COMPLEX FROG

Marko D. Prokić, Jelena P. Gavrić, Tamara G. Petrović, Svetlana G. Despotović, Branka R. Gavrilović, Tijana B. Radovanović, Imre I. Krizmanić, Slađan Z. Pavlović, Zorica S. Saičić

P 28 - CuZnSOD AND nNOS LOCALIZATION IN ERYTHROCYTES FROM DUCHENNE-BECKER PATIENTS

Marija Marin, Marija Aleksić, Igor Golić, Aleksandra Korać

P 29 - ANTI/PRO-OXIDANT AND PROAPOPTOTIC ACTIVITIES OF CENTAURIUM ERYTHREA EXTRACTS ON COLON CANCER CELLS

Milena Milutinović, Danijela Nikodijević, Milan Stanković, Danijela Cvetković, Snežana Marković

P 30 - EFFECTS OF OLIVE LEAF EXTRACT ON OXIDATIVE STRESS AND KIDNEY FUNCTION IN EXPERIMENTAL FOCAL SEGMENTAL GLOMERULOSIS

<u>Danijela Karanović</u>, Nevena Mihailović-Stanojević, Jelica Grujić-Milanović, Zoran Miloradović, Milan Ivanov, Una-Jovana Vajić, Đurđica Jovović

P 31 - A NOVEL ROLE FOR AN ANTI-OXIDANT TRANSCRIPTION FACTOR NRF2 IN REGULATING THE AGE-RELATED CHANGES IN SKELETAL MUSCLE CLOCK FUNCTION

<u>Vanja Pekovic-Vaughan</u>, Niamh Horton, Sandra Fawcett, Ian Copple, Aphrodite Vasilaki, Malcolm Jackson, Anne McArdle

P 32 - THE SERUM LEPTIN CONCENTRATIONS AND THE MARKERS OF OXIDATIVE STRESS AND INFLAMMATION AMONG OVERWEIGHT AND OBESE YOUNG ADULTS

Bojana Kisic, Dijana Miric

P 33 - EFFECT OF ORGANOMODIFIED CLINOPTILOLITE (ZEOLITE) ON REDOX BALANCE OF COLOSTRUM AND BLOOD PLASMA OF PRIMIPAROUS DAIRY COWS

Ivana Drvenica, Milica Stojić, Puspita Anggraini, Natalija Fratrić, Ana Stančić, Marijana Kovačić, Vesna Ilić

P 34 - EFFECT OF N-ACETYL-L-CYSTEINE ON PROLIFERATION OF DENTAL TISSUE STEM CELLS: A PROPOSED MECHANISM OF ACTION

<u>Jasmina Debeljak Martačić</u>, Tamara Popović, Biljana Pokimica, Slavica Ranković, Gordana Petrović Oggiano, Milica Kojadinović, Slavko Mojsilović, Marija Glibetić

P 35 - BOTH SATURATED AND UNSATURATED HIGH FAT DIETS ALTER BLOOD PRESSURE, LIPID AND OXIDATIVE STATUS IN WISTAR RATS

<u>Jelica Grujic-Milanovic</u>, Zoran Miloradovic, Nevena Mihailovic-Stanojevic, Milan Ivanov, Danijela Karanovic, Una-Jovana Vajic, Djurdjica Jovovic

P 36 - RUTIN SUPPLEMENTATION IMPROVES OXIDATIVE STRESS AND REDUCES SOD ACTIVITY IN SPONTANEOUSLY HYPERTENSIVE RATS

<u>Nevena Mihailovic-Stanojevic</u>, Una-Jovana Vajic, Zoran Miloradovic, Jelica Grujic-Milanovic, Milan Ivanov, Danijela Karanovic, Djurdjica Jovovic

P 37 - THE EFFECTS OF FISH-BASED AND MILK-BASED DIETS ON LIVER TISSUE ANTIOXIDANT ENZYMES IN FEMALE WISTAR RATS

<u>Slavica Ranković</u>, Nevena Vidović, Jasmina Debeljak Martačić, Tamara Popović, Biljana Pokimica, Zorana Oreščanin-Dušić, Gordana Petrović Oggiano, Marija Glibetić

P 38 - HYPERBARIC OXYGEN PRECONDITIONING DECREASES OXIDATIVE STRESS IN EXPERIMENTAL MODEL OF ISCHEMIC ACUTE KIDNEY INJURY

<u>Una-Jovana Vajic</u>, Zoran Miloradovic, Nevena Mihailovic-Stanojevic, Predrag Brkic, Djurdjica Jovovic, Danijela Karanovic, Jelica Grujic-Milanovic, Rada Jeremic, Marina Djelic, Milan Ivanov

P 39 - WARM ACCLIMATION DURING WINTER DIAPAUSE DIFFERENTLY AFFECTED SOD, CAT AND GST ACTIVITY IN LARVAE OF EUROPEAN CORN BORER OSTRINIA NUBILALIS HBN.

Iva Uzelac, Miloš Avramov, Bojana Bogdanović, Aleksandra Pajić, Sara Jarić, Iva Gorše, Filip Franeta, Elvira Pamer, Tatjana V. Nikolić, Jelena Purać, Danijela Kojić, Snežana Gošić Dondo, Željko D. Popović

P 40 - THE EFFECT OF DHA SUPPLEMENTATION IN MICROGLIA CELLS, A MODEL FOR ACOX1 DEFICIENCY

Ivana Đuričić, Fatima-Ezzahra SAIH, Pierre Andreoletti, Slađana Šobajić, Mustapha Cherkaoui Malki

P 41 - COMBINED NRF2 AND ANTIOXIDATIVE ENZYME GENE POLYMORPHISMS IS ASSOCIATED WITH OVERALL SURVIVAL OF PROSTATE CANCER PATIENTS

Milica Djokic, Veljko Santric, Djurdja Jovanovic, Vesna Coric, Dejan Dragicevic, Marija Pljesa Ercegovac, Ana Savic Radojevic, Tatjana Simic, Sonja Suvakov

P 42 - THE IMPACT OF OXIDANTS ON AKT/mTOR SIGNALING IN HUMAN ERYTHROLEUKEMIA HEL.92.1.7. CELL LINE

<u>Dragoslava Djikić,</u> Dragana Marković, Miloš Diklić, Tijana Subotički, Marijana Kovačić, Vladan P. Čokić

P 43 - CELL MODELS OF INSULIN RESISTANCE: STUDYING THE ROLE OF MITOCHONDRIA

<u>Kasja Pavlović</u>, Nina Krako Jakovljević, Anđelka Isaković, Maja Jovanović, Ivanka Marković, Nebojša M. Lalić

P 44 - THE INFLUENCE OF SOD2 AND GPX1 GENETIC POLYMORPHISMS ON THE RISK AND OVERALL SURVIVAL IN PATIENTS WITH END STAGE RENAL DISEASE

<u>Djurdja Jovanovic</u>, Sonja Suvakov, Ana Savic Radojevic, Marija Pljesa Ercegovac, Nada Dimkovic, Tatjana Damjanovic, Milica Djokic, Marija Matic, Tatjana Simic

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