



10th

INTERNATIONAL CONGRESS OF THE
TURKISH SOCIETY OF TOXICOLOGY

October 16-19, 2019

Lykia World Hotel

Belek, Antalya - TURKEY

SCIENTIFIC PROGRAMME

1st Day – 16th October 2019 (Wednesday)

Hours	Event / Venues	
08:30-12:00	Registration	
12:00-14:00	Lunch	
Room	Hall A	Hall B
Chair		
14:00-16:30	CEC-1 Use of Biomarkers in Human Biomonitoring	CEC-2 Recent Developments and the Use of Non-Invasive Samples in Comet Assay
14:00-14:30	Biomarkers of Exposure and Early Biological Effects Stefano BONASSI (Italy)	The Use of the Best Biomarker from the Best (Non-Invasive) Tissue Sabine LANGIE (Belgium)
14:30-15:00	Study Design in Molecular Epidemiology Stefano BONASSI (Italy)	The Use of Different Blood Cell Preparations in the Comet Assay Andrew COLLINS (Norway)
15:00-15:30	Statistical Analysis of Human Studies with Biomarkers Stefano BONASSI (Italy)	The Use of Buccal Cells in Human Biomonitoring and Early Disease Mirta MILIĆ (Croatia)
15:30-16:00	Designing a Biomonitoring Study: Practical Exercise Stefano BONASSI (Italy)	Confounding Factors Affecting Comet Assay Results in Human Biomonitoring Studies Amaia AZQUETA (Spain)
16:00-16:30	DNA Damage-Based Biomarkers in Cancer Measured by Mass Spectrometry Erdem COŞKUN (USA)	A Comparison of DNA Damage Levels, Assessed in Placental Tissue and Umbilical Cord Blood (NEOGENE project) Carla COSTA (Portugal)
16:30-17:00	Coffee Break	
17:00-17:15	Opening Ceremony	
17:15-17:45	Opening Lecture Toxicology from the Perspectives of a Journal Editor Hermann BOLT (Germany)	
17:45-19:00	Welcome Reception	
19:30-21:30	Dinner	

2nd Day – 17th October 2019 (Thursday)

09:00-09:30	Plenary Lecture State of Science of the Risk Assessment of Nanomaterials Mary GULUMIAN (South Africa)
09:30-10:00	Coffee Break

Session I (10:00-12:30) - Recent Data on Carcinogenicity Studies

Room	Hall A
Chair	
10:00-10:30	Carcinogenicity Studies-Overview of Guidelines, Hanan GHANTOUS (USA)
10:30-11:00	Carcinogenicity Studies and Status of ICHS1 and Implications, Owen Mc MASTER (USA)
11:00-11:30	Carcinogenicity of Immune Modulators, Kenneth HASTINGS (USA)
11:30-12:00	Biomarkers of Cancer Risk, Stefano BONASSI (Italy)
12:00-12:30	DNA Repair in Cancer Therapy, Miral DİZDAROĞLU (USA)
12:30-14:00	Lunch

	Session II (14:00-16:10) Applicability and Limitation of Non-Animal Testing in Safety Assessment	Session III (14:00-16:30) Use of Comet Assay in Biomonitoring of DNA Damage in Different Settings
--	--	---

Room	Hall A	Hall B
Chair		
14:00-14:30	Regulatory Use of Non Animal Models: Limitations and Pitfalls Emanuela TESTAI (Italy)	Genomic Damage in Obesity and after Weight Loss Helga STOPPER (Germany)
14:30-15:00	History of a Success: Contact Hypersensitivity Emanuela CORSINI (Italy)	Plant Comet Assay in Environmental Studies Bertrand POURRUT (France)
15:00-15:30	Future Perspectives of in Non-Animal Models Thomas HARTUNG (USA)	The Importance of Individual Susceptibility on the Levels of DNA Damage: the Case of Styrene-Exposed Workers Joao Paulo TEXEIRA (Portugal)
15:30-16:00	The Use of Organ-on-a-chip Technologies in Toxicological Research Sebastian TRIETSCH (The Netherlands)	The Comet Assay Testing Nanomaterials in Advanced in Vitro Models Maria DUSINSKA (Slovakia)
16:00-16:10	Applicability of Toxicological Data in Health Based Exposure Limits Semra ŞARDAŞ (Turkey)	The Effects of Storage Conditions in Comet Assay in Human Blood and Lymphocytes Merve BACANLI (Turkey)
16:10-16:20		Genotoxicity and Oxidative Lipid Damage Under Occupational Pesticide Exposure Elisa BOUTET-ROBINET (France)
16:20-16:30		The Genotoxic Potential of Water Samples from the Rivers Drenica and Sitnica (Kosovo) in Primary Rat Hepatocytes as Assessed by the Comet and the Micronucleus Assay Avdulla ALIJA (Kosovo)
16:30-17:00	Coffee Break	

Exhibitor-Hosted Workshop (17:00-19:00)		
Room	Hall A	
17:00-19:00	From Automatic Image Capture to Publication-Ready Data. Augmented Microscopy™ with BioTek Imaging Systems. Hüseyin TUNCAY, ANT TEKNİK-BIOTEK	

	Short Presentations - I Biomonitoring Studies in Different Settings	Short Presentations - II Safety of Metals / Metal Containing Nanoparticles	Short Presentations - III Clinical Toxicology
Room	Hall A	Hall B	Hall C
Chair			
17:00-17:15	Defining Experimental Conditions for Using GH2AX Assay in Biomonitoring Studies Vanessa Valdiglesias (Spain)	Evaluation of Biosafety of Nanoparticles, TiO ₂ and Fe ₃ O ₄ , Commonly Used in Nanomedicine Yüksel Çetin (Turkey)	Chlorine Gas Inhalation: A Case Report Eren Gökdağ (Turkey)
17:15-17:30	Induction of Chromosomal Damage in Exfoliated Buccal Cells and Nasal Cells of Road Stripe Painters Georg Wultsch (Austria)	Silver but not Gold Nanoparticles Attenuate Tumor Growth and Metastasis in BALB/c Mice Marcin Kruszewski (Poland)	Carbamazepine Intoxication: A Case Report Yücel Yüzbaşıoğlu (Turkey)
17:30-17:40	The Impact of Boat Pressure-Washing: Toxicology and Solutions Marko Gerić (Croatia)	In Vitro Genotoxicity Assessment of Silver Sulfide Quantum Dots Coated with Meso-2,3-Dimercaptosuccinic Acid by Micronucleus Assay Gökçe Taner (Turkey)	Alba strawberry extract attenuates endogenous oxidative stress in Alzheimer's patients Biljana Spremo-Potparevica (Serbia)
17:40-17:50	Evaluation of the Cyto/Genotoxic Effects of Marine Toxin Domoic Acid in Non-Target Human Cells in Vitro Goran Gajski (Croatia)	Effects of Apoptosis-Inducing 2-Mercaptopropionic Acid (2-MPA)-Coated Silver Sulfide QD on Human A549 Cells Deniz Özkan Vardar (Turkey)	Evaluation of Therapeutical Potential of Novel Indole Derivatives in Estrogen-Induced Breast Carcinogenesis Elif İnce (Turkey)
17:50-18:00	Reconstructed Human Small Intestine Tissue Model for Drug Toxicity and Permeability Screening in Vitro Jan Markus (Slovakia)	Evaluation of Cytotoxic Effect Mechanisms of ZnO and CuO Nanoparticles Individually or as a Mixture in Mouse Fibroblast Cells and Protective Effects of DTPA, NAC or Taurine Duygu Paşlı (Turkey)	Analysis and Correlation of Addictive Substances at Postmortem Nasal Swabs and Hair Samples Erkin Kirkpınar (Turkey)
18:00-18:10	Differences Between Biochemical and DNA Damage Parameters (Comet Assay and Micronucleus assay) Before and After Three Weeks of Interventional Hypocaloric Diet in Obese Patients Monitored in the Special Hospital for Extended Treatment of Duga Resa, Croatia – Preliminary Results Mirta Milić (Croatia)	Bifenthrin-induced Neurological Alterations and Anxiety-like Behavior in Adult Rats Hamadi FETOUI (Tunisia)	Cardiotoxicity Induced by Tyrosine Kinase Inhibitors Ayşenur Günaydın (Turkey)
18:10-18:20	Differential Expression of Peroxisome Proliferator-Activated Receptors in Hepatic and Testicular Tissues in Bisphenol A Exposed Mice Sheikh Raisuddin (India)	Activity of Hawthorn on Reproductive Markers of Wistar Rat under Copper Intoxication Cherif Abdenour (Algeria)	Assessment of Heavy Metals in Medicinal Plants Hakan Özden (Turkey)

2nd Day – 17th October 2019 (Thursday)

18:20-18:30	Amelioration of Incision Wound Healing by <i>Scorzonera Veratrifolia</i> Extract in Rats: Evaluation of Oxidative Stress and Genotoxic Effect Ayfer Beceren (Turkey)	Determination of Blood Heavy Metal Levels in the Residents of Gemikonagi and Tepebasi and Evaluation of Associated Genotoxic Effects Kumsal Kocadal (TRNC)	Manganese intoxication due to torpedo explosion Sultan Pınar Çetintepe (Turkey)
18:30-18:40	Investigation of Genotoxic Potential of Diflucortolone and Derivatives in Silico for Risk Assessment Gülçin Tuğcu (Turkey)	Evaluation of Heavy Metal Concentrations in Sediments and Vegetables Obtained from Gemikonagi and Yenierenköy in Northern Cyprus Fehmi Burak Alkaş (TRNC)	Organic UV Filters in Cosmetics and Breast Milk Selma YAZAR (Turkey)
18:40-18:50	Promoter Genome-Wide Analysis of Histone Modifications and Drugs Targeting Epigenetic Alterations in Breast Cancer Seher Karsli-Cepioglu (Turkey)	The Heavy Metal, Solvent And Polycyclic Aromatic Hydrocarbon Pattern in Ceramic Workers Meşide Gündüzöz (Turkey)	
18:50-19:20	Poster Viewing		

3rd Day – 18th October 2019 (Friday)

09:00-09:30	Plenary Lecture Human Health Protection Through Chemical Stewardship - An Industry Perspective Salmaan H. INAYAT-HUSSAIN (Malaysia)	
09:30-09:30	Coffee Break	
	Session IV (10:00-12:30) Food Safety	Session V (10:00-12:30) Organ Specific Toxic Reactions and Related Adverse Outcome Pathways
Room	Hall A	Hall B
Chair		
10:00-10:30	The Importance of Risk Communication in Food Safety Martin WILKS (Switzerland)	Contribution of Mitochondria to Clozapine-Induced Cardiotoxicity and Paracetamol-Induced Hepatotoxicity Hilmi ORHAN (Turkey)
10:30-11:00	Procedures of Risk Assessment in Food Safety in Turkey Serap HANCI (Turkey)	Adverse Outcome Pathways Associated with Mitochondria Mathieu VINKEN (Belgium)
11:00-11:30	The Reproductive Toxicity of Mycotoxins Hassan MALEKINEJAD (Iran)	Adverse Drug Reactions: Molecular Mechanisms and Inter-Individual Differences Nico P.E. VERMEULEN (The Netherlands)
11:30-12:00	PFOS and PFOA in Food: Main Conclusions of the EFSA 2018 Risk Assessment Tanja SCHWERTLE (Germany)	Influence of Epigenetic Mechanisms in Kidney Toxicity: Ochratoxin A and Fumonisin Sibel ÖZDEN (Turkey)
12:00-12:30	Nutraceuticals :Aspects of Efficacy and Toxicity in the Genomic Era Marco RACCHI (Italy)	The Search for an Optimal Human Liver Line for the Detection of Mutagens Siegfried KNASMUELLER (Austria)
12:30-14:00	Lunch	

		Session VI (14:00-16:30) Emerging Environmental Issues	Session VII (14:00-16:30) Endocrine Disrupting Effects of Chemicals and Pharmaceuticals - Their Role in Diseases
Room		Hall A	Hall B
Chair			
14:00-14:30	Immunotoxicity of PFAS as Drinking Water, Food and Occupational Contaminants Emanuela CORSINI (Italy)		Nonclinical Evaluation of Endocrine-Related Drug Toxicity: Experiences with Novel Drug Candidates and Herbal Dietary Supplements Hande GURER-ORHAN (Turkey)
14:30-15:00	Human Health Effects of Cyanotoxins Emanuela TESTAI (Italy)		FDA CLARITY-BPA (The Consortium Linking Academic and Regulatory Insights on Bisphenol A Toxicity) Study: Safety Assessments and Non-Monotonic Dose Response Neslihan AYGUN-KOCABAS (Belgium)
15:00-15:30	Biomonitoring of the General Population Living Near the Waste-to-Energy Incinerator of Turin, Italy: Serum Concentrations of Organic Pollutants of Major Concern after Some Years from the Plant Start-up Elena DE FELIP (Italy)		Towards a Harmonized Integrated Assessment of Metabolism Disrupting Compounds (The GOLIATH Project) Jorke KAMSTRA (The Netherlands)
15:30-16:00	Microplastics: Are They Really a Threat? Emanuela TESTAI (Italy), Jennifer DE FRANCE (WHO)		Role of Endocrine Disruptors in Various Pathological Conditions: A Special Focus on Phthalates, Bisphenols and Polychlorinated Biphenyls Pınar ERKEKOGLU (Turkey)
16:00-16:10	Studies of Chemical Mixtures from Real Exposure to in Vitro Carina LADEIRA (Portugal)		Adverse Effects of Psychoactive Drugs on Sperm Parameters: The Role of the Hypothalamic-Pituitary-Gonadal Axis Sinem ILGIN (Turkey)
16:10-16:20	Simultaneous Determination of 24-Elements in Some Herbal Teas Consumed in Turkey: A Brief Toxicological and Chemometric View İ. İpek BOŞGELMEZ (Turkey)		
16:20-16:30	Analysis of Deoxynivalenol (Vomitoxin) in Cereal Based Baby Foods by HPLC Mücteba EŞREF TATLIPINAR (Turkey)		
16:30-17:00	Coffee Break		
Exhibitor-Hosted Workshop (17:00-19:00)			
Room		Hall A	
Chair			
17:00-19:00	In Vitro Reconstructed 3D Models for the Safety Assessment of Chemicals, Cosmetics, Drugs and Medical Devices MatTek		

	Short Presentations IV Cytotoxic and Genotoxic Effects of Chemicals	Short Presentations V Recent Toxicological Studies in Turkey
Room	Hall A	Hall B
Chair		
17:00-17:10	Domoic acid as a Marine Toxine from Mussels Goran Gajski (Croatia)	Alterations Observed in the Histone Modifications on P16 Gene Caused by Fumonisin B1 in Human Kidney Cells Ecem Fatma Karaman (Turkey)
17:10-17:20	Effects of the 1,4-Dihydropyridine Salts Assessed In Vitro and In Vivo Nikolajs Sjakste (Latvia)	The Toxic Effects of Acetamiprid on Reproductive System: Subchronic Study on Male Rats Yağmur Emre Arıcan (Turkey)
17:20-17:30	Evaluation of Genotoxic Effects of Spherical and Rod-Shaped Nano-Hydroxyapatites in Drosophila Melanogaster Merve Güneş (Turkey)	How Safe are the ADI Values for Food Additives? (A Novel Zebrafish Modelling for Evaluating the Toxicity of Food Additives) Saltuk Buğrahan Ceyhan (Turkey)
17:30-17:40	Evaluation of The Cytotoxic and Genotoxic Effects of Pitavastatin in Cervical Cancer Cell Line Aysun Ökçesiz (Turkey)	Acetamiprid Induced Oxidative Damage and Apoptosis in SH-SY5Y Cell Line Ezgi Öztas (Turkey)
17:40-17:50	Evaluation of Cytotoxic, Genotoxic and Apoptotic Effects of Flurbiprofen in Human Liver Cancer Cell Line Elçin Bakır (Turkey)	In Vitro Apoptotic and Oxidative Stress Evaluation of Benomyl in SH-SY5Y Cell Line Mehtap Kara (Turkey)
17:50-18:00	Possible Cytotoxic Effects and Molecular Mechanisms of Tamoxifen and Quinazoline Derivatives Doxazosin, Erlotinib on Endometrial Cancer Cells Ayşe Eken (Turkey)	Evaluation of Neuroendocrine Disrupting Effects of Prenatal Exposure to Bisphenol A and/or Di(2-ethylhexyl) Phthalate Anıl Yirun (Turkey)
18:00-18:10	Usefulness of RTL-W1 Cell Lines as an Alternative to Animal Testing in the Monitoring the Toxic Substances in Aquatic Environments Ozge Cemiloglu Ulker (Turkey)	Evaluation of Toxic Effects of Dibutyl Phthalate on A549 Cells and Possible Protective Effects of Ascorbic Acid and N-Acetylcysteine Aylin Balcı (Turkey)
18:10-18:20	In Vitro Investigation of Cytotoxic Effects and DNA Damage of Bisphenol Analogs Compared to Bisphenol A İrem İyigünoğdu (Turkey)	In Vitro Evaluation of Blood-Brain Barrier Penetration by PLGA and PEG-b-PLGA Nanoparticles Loaded with Obidoxime Sermet Sezgen (Turkey)
18:20-18:30	Helicobacter Pylori Infection Causes Both DNA Single and Double Strand Breaks and Oxidative Stress in Human Adenocarcinoma Cell Line Didem Oral (Turkey)	Tetrahydrobiopterin Dependent Nitric Oxide and Neopterin Levels in Guanosine Triphosphate Pathway in Gestational Diabetes Mellitus Songül Ünüvar (Turkey)
18:30-18:40	The anticancer activity of cinnamaldehyde toward U87MG cells and its synergistic effect on doxorubicin's anticancer activity Leila Hosseinzadeh (Iran)	Modeling of de- and Remyelination in 3D Brain Spheres Sevcan Gül Akgün-Ölmez (Turkey)
18:40-18:50	In Vitro Safety Assessment of Four Different Ganoderma lucidum Products Purchased Online Tuğçe Yeşil Devcioğlu (Turkey)	Computational Toxicology: From Bench-Based Toxicology to Computational-Based Risk Assessment Esrâ Emerce (Turkey)
18:50-19:00	In Vitro Evaluation Of Toxin Binding Efficacy For Aflatoxinb1, Ochratoxin A, Citrinin, Zearalenone, T2 Toxin, Penicillic Acid And Fumonisin In Broiler Feed Sarathchandra Ghadevaru (India)	The Role of Insulin on CYP1A1 and CYP2E1 Activities and Lipid Peroxidation Levels in Streptozotocin-Induced Diabetic Rats in Liver Gökçe Kuzgun (Turkey)
19:00-19:10	In Vitro Toxicity and In Vivo Bioaccumulation Potency of Lys-graft-p(HEMA) Polymeric Nanoparticles N. Ulku Karabay Yavasoglu (Turkey)	Lead Content of Lipsticks in Turkish Cosmetic Market and Assessment of Their Health Risks Onur Kenan Ulutaş (Turkey)
20:00-24:00	Gala Dinner	

4th Day – 19th October 2019 (Saturday)

09:00-09:30	Plenary Lecture Late Effects of Chronic Pesticide Exposure in Humans Mohammad ABDOLLAHI (Iran)	
09:00-09:30	Coffee Break	
	Session VIII (10:00-12:00) Occurrence, Use and Potential Toxic Effects of Metals	Session IX (10:00-12:00) Lipidomics
Room	Hall A	Hall B
Chair		
10:00-10:30	Toxicity of Arsenic Species: Lessons from Cells, Flies, Worms, Mice and Humans Tanja SCHWERDETLE (Germany)	Impact of Oxysterols on the Peroxisome: Physiopathological Consequences Gerard LIZARD (France)
10:30-11:00	Reproductive and Developmental Effects of Boron in Humans Under Occupational and / or Environmental Exposure Conditions Yalçın DUYDU (Turkey)	Cholesterol and Related Sterol Autoxidation Luigi LULIANO (Italy)
11:00-11:30	Cadmium Impact on Increased Risk of Osteoporosis Vesna MATOVIĆ (Serbia)	Use of Tandem Mass Spectrometry in Polyunsaturated Fatty Acid and Sphingolipid Measurements Mutay ASLAN (Turkey)
11:30-12:00	Toxicological Properties of Metal-Based Nanoparticles: What Makes the Difference? Andrea HARTWIG (Germany)	Lipidomic Research in Toxicology Suna SABUNCUOGLU (Turkey)
12:00-12:30	Closing Ceremony	