



INTERNATIONAL MARMARA SCIENCES CONGRESS IMASCON 2023 SPRING 9 JUNE 2023 FRIDAY

The Start of Registration Process

AÇILIŞ KONUŞMALARI - OPENING SPEECHES 11:00 / 12:00 https://shorturl.at/awB04

- İstiklal Marşı ve Saygı Duruşu / National Anthem and Moment of Silence
- Kocaeli Üniversitesi Tanıtım Filmi / Short Film of Kocaeli University
- Prof.Dr. Nuh Zafer Cantürk, Rector of Kocaeli University
- Doç. Dr. Öznur Gökkaya, President of Imascon Congress
- Ali Korkmaz, President of City Council of Kocaeli
- Prof.Dr.Arif Özkan, Manager of Continuing Education Research and Application Center of Kocaeli University

IMASCON PANEL – SUSTAINABILITY- 16:00 / 18:00 Moderator:Prof.Dr.Özcan Gündoğdu

https://shorturl.at/ipCRS

- Prof. Dr. Luis Roseiro, Instituto Politécnico de Coimbra, Portugal
- Prof. Barbara Krystyna Pierscionek, United Kingdom
- Prof. Graham Ball, United Kingdom
- Assist.Prof.Dr. Keisuke Wakizaka, Japan
- Lecturer Dr. Ahmad Ali, India
- Lecturer Dr. Vitor Maranha, University of Coimbra, Portugal
- Dr. Stephen Hughes, United Kingdom

9 JUNE 2023 FRIDAY ORAL (FACE to FACE) PRESENTATIONS

9 JUNE 2023 FRIDAY	SESSION 1		14:00 – 15:45	
IMASCON 2023 SPRING SESSION 1.1 / 14:00 – 15:45		Hall : 1	9 JUNE 2023 FRIDAY	
SESSION CHAIR: Assoc.Prof.Dr.Bülent Aydemir				
	Calibration Descriptment of the Entendement Macanage			

Assoc.Prof.Dr. Bülent Aydemir	Calibration Requirement of the Extensometer Measurement System of the Earthquake Isolator Tester
Tayyip Demir	Selection Of Suitable Load Cell for Truck Scale Measuring Device with Topsis Decision Making Technique
Assoc.Prof.Dr. Bülent Aydemir	Predictions on Laboratories of the Future and the Future of Laboratories
Ferhat Badem	Design and Analysis of Railway Mesuring System
Tayyip Demir	Truck Scale Design and Analysis with Solidworks





Selection Of Suitable Load Cell for Wagon Scale Measuring System with Decision-Making Technique				
9 JUNE 2023 FRIDAY ORAL (FACE to FACE) PRESENTATIONS				
SESSION 2 16:00 – 17:45				
Hall: 1 9 JUNE 2023 FRIDA		9 JUNE 2023 FRIDAY		
SESSION CHAIR : Prof.Dr. Şükrü Dursun				
Research to Reduce Environmental Noise Pollution by Using Panels				
Study of the Effect of Ficus carica Plant Against Staphylococcus Aureus Bacteria		arica Plant Against Staphylococcus		
Industrial Symbious Ap	proac	h in Circular Economy		
Evaluation Of Sawage Sludge by Vermistabilization Method		by Vermistabilization Method		
Synthesis And Characterization of Poly [Poly (Ethylene Glycol) Methacrylate-Co-Acrylamide]-Graft-Poly(E-Caprolacton) Comb-Type Amphilic Graft Copolymer				
Sensitive Recognization of Acetamiprid with a Novel Electrochromic Molecular Imprinted Polymer Sensor				
Hall : 2		16:00 – 17:45 9 JUNE 2023 FRIDAY		
Koçak				
On Stefan Problems and Their Solutions		r Solutions		
Next generation artificial intelligence algorithms used in Text analysis of Twitter data: Gpt-4				
Offshore Wind Farms Connection Topologies		ction Topologies		
AI Applications Used in Daily Life		y Life		
On A Mathematical Model of Infectious Diseases		Infectious Diseases		
Battle of Php Frameworks: Laravel or Symfony				
Hall: 1 9 JUNE 2023 FRIDAY		9 JUNE 2023 FRIDAY		
aren				
PID Parameter Estimation with Auto-Tuning Method: Position Control of DC Motor				
	9 JUNE 2023 FRIDAY ACE to FACE) PRESE SESSION 2 Hall: 1 Ursun Research to Reduce Expanels Study of the Effect of FAureus Bacteria Industrial Symbious Ap Evaluation Of Sawage S Synthesis And Character Methacrylate-Co-Acryl Comb-Type Amphilic C Sensitive Recognizate Electrochromic Molecum Hall: 2 Koçak On Stefan Problems and Next generation artificanalysis of Twitter data Offshore Wind Farms C AI Applications Used in On A Mathematical Molecum Battle of Php Framework Hall: 1 Faren PID Parameter Estimate	9 JUNE 2023 FRIDAY ACE to FACE) PRESENTA' SESSION 2 Hall: 1 Ursun Research to Reduce Environ Panels Study of the Effect of Ficus ca Aureus Bacteria Industrial Symbious Approach Evaluation Of Sawage Sludge Synthesis And Characterization Methacrylate-Co-Acrylamide Comb-Type Amphilic Graft Com		





Res.Assist. Tuğçe Yaren		Trajectory control of a two-link robot arm with computed torque method		
Fatih Mert Çelebi		Performance of Arduino RD Crossing Distortion	Bdimmer Library on AC Zero-	
Kudret Köse		Finite Element Method Investigation of The Effect Rolling Direction on Springback and Formability In High Tensile Strength Steel Materials		
Oğuzhan Yazıcı		Making Additional Cutting to Press Equipment	The Press with Special Blanking	
Discussion				
		ONLINE PRESENTIONS 9 JUNE 2023 FRIDAY		
		ONLINE PRESENTATIONS		
9 JUNE 2023 FRIDAY	SESSION 1	18:00 – 19:45		
IMASCON 2023 SPRING SESSION 1.1 / 18:00 – 19:45		Hall : 1	9 JUNE 2023 FRIDAY	
		https://shorturl.at/nxFM9		
SESSION CHAIR	: Assoc.Prof.Dr. Y	Yeşim Saniye Kara		
Doğan Diran Investigation of substituent effects in 1,2,4-Oxadiazine derivatives		ects in 1,2,4-Oxadiazine		
Assoc.Prof.Dr. Yeşim Saniye Kara		Substituent effect study with theoretical 13C-NMR chemical shifts (SCS) on the 1,2,4-thiadiazole ring		
Esra Dilek		Investigation of Drug Release Behaviors of Metal Nanoparticle Modified Phosphazene Microspheres (POSTER)		
Nilüfer Cevher		Development and Optimization of Highly Bio-based Hot Melt Adhesives		
Bensu Tan		Synthesis of New Phenothiazine Derivative Compounds with Potential to Use as Acetylcholinesterase Inhibitor and Illumination of Structures (POSTER)		
Sabiha Elif Ekerim	Development of A Polymeric Optical Membrane Sensor for Determination of Glyphosate in Aqueous Medium (POSTE			
	AA CDDING		9 JUNE 2023 FRIDAY	
IMASCON 20 SESSION 1.2 /		Hall : 2	9 JUNE 2025 FRIDA I	





Assoc.Prof.Dr. Mustafa Burak Telli	Joinning of Soda Lime Silicate Glass To 304 L Stainless Steel Using Aluminum Interlayer			
Ali Kerem Timur	Surface Engineering Applications and Structural Investigations on W350 Isobloc Grade Tool Steel			
Assist.Prof.Dr. Emir Erişir	The Effects of Pretreatments Applied to Cellulose on Some Properties of Cellulose Reinforced CMC Hydrogels			
Dr. Hafizittin Hakan Yudar	Investigation Of Epoxy Efficiency in Weldless AISI 304L Joining in Panel Radiators			
Taner Dindar	An Example Calculation for Wind Turbines	An Example Calculation for Magnetic Gear Used in Small Power Wind Turbines		
Oğuz Ünlü		Coating Low Medium and High Carbon Steel Surfaces with Nano and Macro Size Tin Element and Comparison Of The Results		
Discussion				
IMASCON 2023 SPRING SESSION 1.3. 18:00 – 20:00	Hall: 3	9 JUNE 2023 FRIDAY		
https://shorturl.at/gpDEZ				
SESSION CHAIR : Dr. Çağatay T	așdemirci			
Hakan Şahin	Analysis Of Half Wave Rectifier Circuit by Modified Nodal Equations			
Neslihan Baş	Solar Energy in Water Channel Administrations: The Example of Balıkesir			
Ecem Karay	Uncertainty Calculations in Rf Vectorial Measurements			
Dr. Çağatay Taşdemirci	Robotic Rehabilitation Gloves That Can Be Used as a Support in the Treatment of Multiple Sclerosis and Rheumatic Diseases			
Can Berk Pirpir		Providing Effective Information in Earthquake and Emergency: Arduino-Based Smart Security System		
Sinan Yazıcı		Forecasting Electricity and Natural Gas Consumption of a Household Appliance Plant Using Machine Learning Methods		
Nebi Işık	Comparison Of Series, Parallel and Series-Parallel Resonant Dc-Dc Converters			
Emre Çekerek	Emergency Scenarios and Evacuation Simulation with Scada Systems on Subway Lines			
	ONLINE PRESANTIONS 10 JUNE 2023 SATURDAY			
	ONLINE PRESENTATIONS			
10 JUNE 2023	SESSION 5	11:00 – 12:45		
IMASCON 2023 SPRING SESSION 5.1 / 11:00 – 12:45	Hall: 1	10 JUNE 2023		





	https://shorturl.at/mnHV6		
SESSION CHAIR : Lec.Dr. Serhat	Uzan		
Bekir Sabri Arıman		Structure and in silico Protein Target Prediction of Histamine Derivative Schiff Base (POSTER)	
Bekir Sabri Arıman	Synthesis, Molecular Docking Triazine Compounds (POSTE	g, and Biological Activity Studies of ER)	
Deniz Sayın	Synthesis and Structure Claric Organic Dyestuffs Containing	fication of Azabodipy Based g Ferrocene Groups (POSTER)	
Lecturer Dr. Serhat Uzan	Preparation of microcapsules acid and investigation of cont	of vitamin E acetate with polylactic rolled release properties	
Esra Ayaz Çifci	Reduction Of Silver Nanopar Aromatic Nitro Compounds	Reduction Of Silver Nanoparticle Doped Zeolite Catalyst with Aromatic Nitro Compounds	
Dr. Elif Karacan Yeldir	Polymerization of 4,4'-Diaminophenylmethane and Investigation of Optical Properties		
IMASCON 2023 SPRING SESSION 5.2 / 11:00 – 12:45	Hall : 2	10 JUNE 2023	
	https://shorturl.at/qyOVZ		
SESSION CHAIR : Dr. Hafizittin F	Iakan Yudar		
Furkan Emeksiz	Mechanical Design and Analysis of Mobile Pca Unit for A Tactical Unmanned Combat Aerial Vehicle		
Aslıhan Kalyon	Investigation Of Spring Die Properties in Fastener Design by Cold Forging Method		
Dr. Hafizittin Hakan Yudar	Analysis Of the Effect of The Fan at Different Speeds on The Thermal Performance of The Aluminum Panel Radiator by CFD Method		
Dr. Hafizittin Hakan Yudar	Simultaneous Investigation of The Effect of Temperature and Pressure Measurement in The Radiators on Tightness		
İsmail Duran	Structural Analysis of a Tracked Unmanned Ground Vehicle (Ugv) Independent Suspension		
Res.Assist. Ahmet Dayanç	Utilizing the Potential of Gyroid Structures in Heat Exchangers Through Metal Additive Manufacturing		
IMASCON 2023 SPRING SESSION 5.3 / 11:00 – 12:45	Hall: 3	10 JUNE 2023	
	https://shorturl.at/pAFLS		
SESSION CHAIR : Assist.Prof.Dr.	Ekrem Düven		
Assist.Prof.Dr. Ekrem Düven	Improvement Of Position Accuracy for Repetitive Motions in Hydraulic Testing Machines		





Rabia Kaymak	Classification Of Tomato Varieties Using Machine Learning		
Res.Assist.Dr. Haluk Özakyol	Autonomous Cameraman: A Person-Following Camera System for Efficient Online Education		
Emine Meltem Hamzaoğlu	Prediction Of Missing Sensor Data in Parkinson's Disease Diagnosis and Analysis of Its Effect on Classification Performance		
Assist.Prof.Dr. Mesut Polatgil	Topic modeling of Youtube comments for TOGG car		
Azize İnce	An Investigation on Absorbent Hygiene Products for Incontinence		
IMASCON 2023 SPRING SESSION 5.4 / 11:00 – 12:45	Hall: 4	10 JU	NE 2023
	https://shorturl.at/uyEMY	7	
SESSION CHAIR : Assoc.Prof.Dr.	Talip Çelik		
Hakki Sercan İbiş	Socio-Economic Structure of Sea Fishermans in Turkey		
Zeynep Çelik	History And Current Status of The Medical Lege Sector		
Elif Tirancıoğlu	Use Of Sinnamaldehyde Containing Polylactic Acid Based Biodegradable Nanofiber Packaging in Cream		
Şükran Aşgın	Incorporation Of Boric Acid and Polilactic Acid Nanofiber by Ultrasonic Impregnation		
Abdiwali Mohamoud Abdi	Determining Bacteriological Load Of Raw Camel Milk Along the Market Value Chain: Burao Somalia		
Feyzanur Hantal	Determination of the Mechanical Properties of the Metatarsal Bone Model Produced by A 3d Printer by Torsionary Test and Comparison with Real Bone		
Dr. Çağatay Taşdemirci	Alginate Coated Controlled Drug Release Developed Using Polymer Coating Technology		
Discussion			
	ONLINE PRESENTATION	NS	
10 JUNE 2023	SESSION 6		13:00 – 14:45
IMASCON 2023 SPRING SESSION 6.1 / 13:00 – 14:45	Hall : 1		10 JUNE 2023
	https://shorturl.at/dlxF0		





SESSION CHAIR : Assist.Prof.Dr. I	Melek Tercan		
Assist.Prof.Dr. Melek Tercan	Pd (II) Complex Bearing 4,4'-Methylene Bis (2,6-Diethyl Aniline) Derivative I-Dentate Schiff Base Ligand as Catalyst for Hydrogen Production		
Beyzanur Tutuş	Synthesis Of PLA Homopolymers with Super Bases at Low Temperatures		
Sezer Karaşahin	Organocatalytic Ring-Opening Polymerization Of L-Lactide with Alcohol Initiators		
Fatma Yeşim Çat	Synthesis Of Novel Cyclopentafuranone Compounds from Crude Turpentine Oil		
Sümeyye Atmaca	Quantum Mechanical Investigation of Keto-Enol Isomerisation of Serine		
Metin Çevik	Neotectonic And Paleoseismological Investigation of Koycegiz and Its Surroundings(POSTER)		
IMASCON 2023 SPRING SESSION 6.2 / 13:00 – 14:45	Hall: 2	10 JUNE 2023	
	https://shorturl.at/fpFH9		
SESSION CHAIR: Assist.Prof.Dr. Y	usuf Tola		
Efsun Bacaksız	Evaluation Of Optimal Energy Production by Multivariate Regression Analysis		
Elif Erdem Yüksel	The Effect of Silica Smoke on The Mechanical Properties of Concrete		
Elif Erdem Yüksel	Factors Affecting Autogenous Shrinkage of Concrete		
Emirhan Yıldırım	The Effect of Different Earthquake Records on The Seismic Behavior of Reinforced Concrete Buildings		
Serkan Kam	Investigation Of Splitting and Flexural Strengths Depending on Fiber Volume Ratio in Steel Fiber Concrete		
Abdulkadir Mutlu	Effect Of Electrode Source on Reinforcement in Reinforced Concrete Buildings		
Discussion			
IMASCON 2023 SPRING SESSION 6.3 / 13:00 – 14:45	Hall: 3	10 JUNE 2023	
	https://shorturl.at/cEMW0		
SESSION CHAIR: Assist.Prof.Dr.	Fatih Çiftçi		
Assist.Prof.Dr. Fatih Çiftçi	Production Optimization of Drug-Loaded Polycaprolactone Microparticles and Investigation of Their Drug Release Kinetics		





Esra Nur Usta	Induction Sintering and Characterization of Hydroxyapatite Based Mgo Added Hybrid Composites Made with The Green Process		
Abdulrahman Al-Sanea	Comparative Analysis of Torque Loss in Dental Implant Abutment Screws Manufactured Using Machining, Die, And Thread Rolling Methods		
Büşra Akkaya		Synthesis And Characterization of Uv and Thermal Curable Polybenzoxazine / Silica Nanocomposites	
Hafize Yuca	Evaluation Of In Vitro Antidiabetic and Anticholinesterase Activities of Myriophyllum Spicatum and Phytochemical Analysis by Lc-Ms/Ms		
Simge Bulut	Cyanobacteria Species from	Characterization Of Exopolysaccharides (Eps) Isolated from Cyanobacteria Species from Turkey Waters and Investigation of Their Potential Use in Cosmetics Industry	
	ONLINE PRESENTATION	S	
10 JUNE 2023	SESSION 7		15:00 – 16:45
IMASCON 2023 SPRING SESSION 7.1 / 15:00 – 17:00	Hall : 1		10 JUNE 2023
https://shorturl.at/hGO39			
SESSION CHAIR : Lecturer Dr. E	Bahadır Salmankurt		
Lecturer Dr. Ali Çiriş	Application of Sncl2 Heat Treatment on Sns Thin Films at Various Temperatures		
Lecturer Dr. Serdar Spor	Analyzes of Triple Gauge Boson Coupling at Future Colliders		
Lecturer Dr. Bahadır Salmankurt	Theoretical Investigation of Topological Semimetal Baga4		
Lecturer Dr. Bahadır Salmankurt	Theoretical Investigation on Interaction of Small Molecules with Two-Dimensional Topological Insulators		
Aysun Sayar	Preparation Of Graphene Oxide from Graphite by Modified Hummers Method and Then Reduction of Graphene Oxide to Graphene		
Asli Arslan	Use of Porous Silicon Base	Use of Porous Silicon Based Schottky Diodes as Glucose Sensors	
Ayşe Nur Şahin		The Effect of Particle Size of Tio2 on Optical and Room Temperature Acetone Vapor Sensing Performance	
IMASCON 2023 SPRING SESSION 7.2 / 15:00 – 17:00	Hall: 2		10 JUNE 2023
	https://shorturl.at/nvxIS		
SESSION CHAIR : Dr. Faruk Yıld	dız		
Omer Solak Amet	Pollen Preferences of Honeybees (Apis Mellifera L.) In Marmara Island		
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Zeynep Karaoğlan	Identification of a Novel Anti-Diabetic Compound: Bergamottin		
Elham Aghlara	Microwave-Assisted Pyrolysis of Particle Board Wastes Using Different Microwave Absorbents: Characterization of Bio-Oils		
İbrahim Hakkı Arslan	Phytochemical Analysis of Active Phenolic Compounds In 4 Taxa Belonging to The Rosales Order and Meta-Analysis of Their Anticancer Effects		
Dr. Faruk Yıldız	Investigation of Reproductive Ecology of Fritillaria Crassifolia Subsp. Kurdica (Boiss. & Noe) Rix (Liliaceae)		
Farnaz Nouri	Green Synthesis of Silver Nanoparticles from Salix Caprea Extract and Its Efficacy in Lung Cancer		
Figen Enç	Reuse Of Domestic Wastewater in	Reuse Of Domestic Wastewater in Kayseri City Overview	
Discussion			
IMASCON 2023 SPRING SESSION 7.3 / 15:00 – 16:45	Hall: 3	10 JUNE 2023	
	https://shorturl.at/tuxE5		
SESSION CHAIR : Assist.Prof.Dr.	Ayşe Yeşilayer		
Assist.Prof.Dr. Gül Yücel	In Terms of Sustainability the Use of Natural Plants and Their Evaluation As Ornamental Plants		
Assist.Prof.Dr. Ayşe Yeşilayer	Some Plant Protection Problems in Cotton		
Assist.Prof.Dr. Ayşe Yeşilayer	Use Of Entomopatogenic Nematodes in Biological Control		
Cemal Karakoç	The Effect of East Fresian Blood Grade on Reproduction Characteristics in Tahirova Sheep		
Abdiwali Mohamoud Abdi	Feed Additives Used for Reduction of Methane Production in Ruminants		
Aysun Bulayır	Effects Of Pigeon Diets with Different Crude Protein Content on Performance and Squabs Growth		
Discussion			
IMASCON 2023 SPRING SESSION 8.1 / 17:00 – 18:45	Hall : 1	10 JUNE 2023	
	https://shorturl.at/uxEL5		
SESSION CHAIR : Res.Assist. Mel	nmet Asaf Düzen		
Sefa Temur	Modelling And Analysis of The Crawler Track System of A Special-Purpose Mobile Robot Using Multibody Systems Approach		
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Erkan Tur	Optimization Of Microresistor Beam Performance Using Comsol Multiphysics and Taguchi Method		
Fatma Nur Gülalan	Goalpost Conceptual Design and Product Development		
Fatma Nur Gülalan	Developing An Innovative Method Design for The Elimination of Distortions in Frame Profiles Produced by Welded Manufacturing Methods		
Halil Demir	Interpretation of Data with Visual Meaningful Graphs in Numerical Analysis		
Res.Assist. Mehmet Asaf Düzen	Electric Vehicle Charging Station Selection With Mathematical Model and Multi-Criteria Decision Making Methods: Application for Kayseri Province		
Discussion			
IMASCON 2023 SPRING SESSION 8.2 / 17:00 – 18:45	Hall: 2 10 JUNE 2023		
	https://shorturl.at/ANW38		
SESSION CHAIR: Res.Assist. Reco	ep Tayyip Akarsu		
İzzet Harun Ok	Floating Solar Power Systems and Applications		
Sude Tosun	Reba Analysis: Application in An Automotive Industry		
Furkan Özkan	The Latest Status of Renewable Energies in Turkiye and Investigation of Government Incentives		
Res.Assist. Recep Tayyip Akarsu	Techno-Economic and Environmental Analysis of Grid- Connected Hybrid Energy System in A Small Village with Concentrated Livestock Operations		
Bensu Kocaman	Antropometric Design		
Res.Assist. Ahmet Serhan Hergül	Analysis Of Organic Rankin Cycle and Waste Heat Manure Drying Technology in Biogas Plants		
IMASCON 2023 SPRING SESSION 8.3 / 17:00 – 18:45	Hall: 3	10 JUNE 2023	
	https://shorturl.at/luvI3		
SESSION CHAIR : Dr.Melike Pünd	lük Yilmaz		
Dr. Melike Pündük Yılmaz	Effect Of Acupressure Application on Pericardium 6 (Pc6) Point on Nausea and Vomiting in Pregnancy: A Randomized Controlled Experimental Study		
Ufuk Sarikaya	Investigation Of Biotinidase and Tca Enzyme Activities in Cardiovascular Diseases		
Lecturer Dr. Uğur Aras	Evaluation Of Acrylic Yarn Waste in Wood-Cement Composites		





Sinem Ceylan	Effect Of Osmotic Salt Stress on Growth Characteristics of Trna Methyltransferase Yeast Mutants (POSTER)
Zeynep Çelik	Molecular Identification, Virulence Activity and Antifungal Sensitivity Analysis of Candida Spp. From Intensive Care Patients
Ayşegül Şavlı	Investigation Of the Role of Protamin 1 And 2 Gen Expressions Working in The Nuclear Remodeling Mechanism in The Process of Spermatogenesis in Male Infertility