

**INTERNATIONAL MARMARA SCIENCES CONGRESS
IMASCON 2025 SPRING
16 MAY 2025 FRIDAY****The Start of Registration Process****AÇILIŞ KONUŞMALARI - OPENING SPEECHES 11:00 / 12:00**

- İstiklal Marşı ve Saygı Duruşu / National Anthem and Moment of Silence
- Kocaeli Üniversitesi Tanıtım Filmi / Short Film of Kocaeli University
- Prof. Dr. Öznur Gökkaya, President of Imascon Congress
- Prof. Dr. Luis Roseiro, Instituto Politécnico de Coimbra, Portugal
- Prof. Dr. Arif Özkan, Manager of Continuing Education Research and Application Center, Kocaeli University
- Dr. Dan Robbins, Anglia Ruskin University, United Kingdom
- Lecturer Dr. Mustafa OF, Manager of Distance Education Research and Application Center, Kocaeli University
- Prof. Dr. Nuh Zafer Cantürk, Rector of Kocaeli University

IMASCON PANELS**IMASCON PANEL – DIGITAL TRANSFORMATION - 15:00 / 16:00**

Chairman: Prof.Dr. Lecturer Mustafa OF, Kocaeli University, Türkiye

- Prof.Dr. Luis Roseiro, Portugal
- Prof.Dr. Flora Merko, Albania
- Prof.Dr. Lydmyla Symockho, Ukraine
- Dr. Dan Robbins, United Kingdom
- Dr. Ahmad Ali, India

IMASCON 2025 SPRING BIOMEDICAL TALKS – 14:00 / 16:00

Chairman: Prof. Dr. Arif ÖZKAN, Kocaeli University, Türkiye

- Prof.Dr. Luis M. F. ROSEIRO, Instituto Politécnico de Coimbra IPC, Portugal
- MSc. Vitor MARANHA, Instituto Politécnico de Coimbra IPC, Portugal
- Dr. Çağatay TAŞDEMİRCİ ARU, United Kingdom
- Catarina AMARO, Instituto Politécnico de Coimbra IPC, Portugal
- Joao MAIA, Instituto Politécnico de Coimbra IPC, Portugal
- Maria Ines Pinho da CURUZ, Instituto Politécnico de Coimbra IPC, Portugal
- Mariana SANTOS. Instituto Politécnico de Coimbra IPC, Portugal
- Dr. Dan Robbins ARU, United Kingdom

16 MAY 2025 FRIDAY**ORAL (FACE to FACE) PRESENTATIONS**

16 MAY 2025 FRIDAY	SESSION 1	14:00 – 15:45
IMASCON 2025 SPRING SESSION 1.1 / 14:00 – 15:45	Hall : 1	16 MAY 2025 FRIDAY
SESSION CHAIR : Assoc.Prof.Dr. Merve DANDAN DOGANCI		

Ezgi ÖZDEMİR	Rail Systems Boden Grease	
Elif ŞEKER	Production And Characterization Of Poly(Vinyl Alcohol) Composite Nanofibers With Tetra-N-Butyl Ammonium Hydrogen Sulfate And Tetra Propyl Ammonium Chloride Hybrid Additives	
İrem KARAYAĞIZ	Production And Characterization Of Pcl/Collagen Nanofibers Containing Plant Oils By Electrospinning	
Sude AKARSLAN	Investigation of the Performance of Boron Nitrate-Doped Polysulfone-Based Composite Membranes in Direct Borohydride Fuel Cells	
Zehra KOÇAK	Investigation Of The Effect Of Boron Nitrate-Doped Peek Membrane On Direct Borohydride Fuel Cell Performance	
16 MAY 2025 FRIDAY ORAL (FACE to FACE) PRESENTATIONS		
16 MAY 2025 FRIDAY	SESSION 2	16:00 – 17:45
IMASCON 2025 SPRING SESSION 2.1 / 14:00 – 15:45	Hall : 2	16 MAY 2025 FRIDAY
SESSION CHAIR : Assoc.Prof.Dr. Arda Acemi		
Assist.Prof.Dr. Çağatay TAŞDEMİRCİ	Development of a Conductive Carbon Fiber Filament for FDM Printing: Applications in Self-Sensing Robotic Grippers	
Assist.Prof.Dr. Çağatay TAŞDEMİRCİ	Finite Element Analysis of Combined ACL Reconstruction and Lateral Extra-articular Tenodesis: Biomechanical Impact on Knee Joint Stability and Graft Protection	
Tuğba ÇAVDAR	Construction, Characterization and Cytotoxic Analysis of Rosmarinic Acid (RA)-Loaded PLGA Nanoparticles for Breast Cancer Therapy	
Cansu TATAR	Synthesis And Characterization Of Plga Nanoparticles Targeting Glutamine Metabolism In Triple-Negative Breast Cancer	
Ayşe Rumeysa ÖZBEY	DETERMINATION OF SUITABLE MEDIUM FOR TISSUE CULTURE STUDIES ON <i>Centaurea kilaea</i>	
IMASCON 2025 SPRING SESSION 2.2 / 16:00 – 17:45	Hall : 1	16:00 – 17:45 16 MAY 2025 FRIDAY
SESSION CHAIR : Assoc.Prof.Dr. İsmail HOCAOĞLU		
Assoc.Prof.Dr. İsmail HOCAOĞLU	Effect Of Alternating Current Intensity On Hydration Temperature In Nano Silica Modified Fresh Mortars	
Semanur KULAKSIZ	Rapid Design Of Earthquake-Resistant Housing Using Various Types Of Special Concrete	
Vildan DOĞAN	Comparison Of Damages And Maintenance Costs Of Road Superstructures	

Ahmet TUNÇSOY		Investigation Of The Effect Of Deep Soil Mixing (Dsm) Method On Soil Bearing Capacity Of Ankara-İzmir High Speed Train Route	
IMASCON 2025 SPRING SESSION 2.2 / 16:00 – 17:45		Hall : 2 16:00 – 17:45 16 MAY 2025 FRIDAY	
SESSION CHAIR : Doç.Dr. Mustafa Tümer			
Hasan ATİK		Characterization of Thin Walled Nickel Alloy Joined by Laser Beam Welding	
Sinan Zıvalı		Creation of the Mechanical Material Card for a PA6 Matrix Continuous Carbon Fiber Reinforced Composite	
Ethem ŞEKERCİ		Real-Time Human Activity Classification Using Mmwave Radar And Deep Learning-Based Approach	
Discussion			
ONLINE PRESENTATIONS 16 MAY 2025 FRIDAY			
ONLINE PRESENTATIONS			
16 MAY 2025 FRID AY	SESSION 1	16:00 – 17:45	
IMASCON 2025 SPRING SESSION 1.1 / 16:00 – 17:45		Hall : 1	16 MAY 2025 FRIDAY
SESSION CHAIR : (POSTER PRESENTATIONS)			
https://tinyurl.com/52be3hmd			
Ahmet Bora ACARTÜRK		Modeling Financial Markets from a Kinetic Theory Perspective: Volatility Analysis with Maxwell-Boltzmann Distribution	
IMASCON 2025 SPRING SESSION 1.2 / 10:00 – 11:15		Hall : 1	17 MAY 2025 https://tinyurl.com/4vva88yn
SESSION CHAIR : Assoc.Prof.Dr. DİLEK ÇANAKÇI			
Assoc.Prof.Dr. DİLEK ÇANAKÇI		Design, Synthesis, Characterization And Thermal Properties Of New Boron-Containing Azo Dye Polymers	
Hayriye Sena YILDIRIM HIZ		Detection Of Heavy Metal Ingredients Of Cardboard Egg Trays Produced From Waste Paper	
Ayşegül ÖZBAL		Investigation Of Drug Release Effectiveness Of Amphiphilic Copolymers	

Soghrat SALAMATİ	Macroporous Functional 3D Carboxymethyl Cellulose Composite Cryogels	
Şeyda EFE	Enamel Coating Processes On Dc04ek And Dc04ed Quality Sheets, Improvement Of Enamel Quality And Performance	
Discussion		
IMASCON 2025 SPRING SESSION 1.2. 10:00 – 11:15	Hall : 2	17 MAY 2025
https://tinyurl.com/4mvdv6b6		
SESSION CHAIR : Assoc.Prof.Dr. Serpil ÖZKURT SİVRİKAYA		
Damla KALE	The Effect of Monosodium Glutamate on tsc1 Gene expression in Fission Yeast	
Ayşe ÜSTÜN BAŞKUT	Effect of culture filtrate from Aspergillus niger on embryogenic callus from alfalfa (Medicago sativa L.)	
Elif KOÇASLAN	Genetic Structuring And Population Divergence Of Phoxinus Strandjae In The Sapanca Basin (Nw Türkiye)	
Fatima GULIYEVA	Effects of E Vitamin (α-Tocopherol) on Hyperglycemia-Induced Cellular Dysfunction and Wound Repair: An In Vitro Study	
Özge ATABAY	Determination of Environmental Performance of Advanced Treatment Alternatives in Biological Wastewater Treatment Plants by Life Cycle Analysis	
Dr. Banu AYDIN	Cellular and Molecular Investigation of Inflammation in Endometriosis	
Duygu KESER	The Effects of Foeniculum vulgare and Foeniculum vulgare-Containing Mixtures on Mycelia of Pleurotus ostreatus and Its Pests	
Discussion		
IMASCON 2025 SPRING SESSION 1.3. 11:30 – 12:45	Hall : 1	17 MAY 2025
https://tinyurl.com/ytpf3yxn		
SESSION CHAIR : SELAHATTİN DEMİRBOĞA		
Selahattin DEMİRBOĞA	The Productivity Dilemma of the Digital Age: A Multi-Faceted Analysis of Cyberloafing	
Noor Ali HUSSEİN	Design of a Real-Time Motion Detection and Alarm System	
Çiğdem YAZICI	Factors Other Than Course Content Supporting Preservice Teachers' Tpack Development	
Behiye VAROL	The Effect of a Digital Speed Reading Platform on the Reading Skills of Second Grade Primary School Students	
Homayoun YADEGARİ	Creative AI,Human-AI Interaction,Trust Calibration,AI Ethics,Interface Design,Bias and Fairness,Human-Machine	

	Collaboration,AI Explainability	
Melike SOYSAL	The Process Of Developing A Computational Thinking Skills Test For Gifted Elementary School Students	
IMASCON 2025 SPRING SESSION 1.3. 11:30 – 12:45	Hall : 2	17 MAY 2025
https://tinyurl.com/48fpnn4u		
SESSION CHAIR : Assist.Prof.Dr. Reşit ÖZMENTEŞ		
Assist.Prof.Dr. Reşit ÖZMENTEŞ	Morphological structure of titania nanoparticles (TiO2-NPs) deposited by thermal evaporation and electrical parameters of the interlayered Al/TiO2-NPs/p-Si contacts	
Burhan SAVRAN	Reduce Ship Magnetic Signature	
Ahmet BÜYÜKDAĞ	Machine Learning-Based THD Classification in Totem Pole PFC Circuits: An Interpretable Design Strategy Using Decision Trees	
Deniz METİN	Investigation Of The Boost Circuit Designed With The Lt1070 Integrated Element According To The En 55014 Standard	
Habil ERGEN	The Effects Of Weather Data On Short-Term Electricity Load Forecasting	
Ahmet Alperen ALTUNDAL	Squirrel Cage Asynchronous Generator Based Wind Turbine	
ONLINE PRESENTATIONS 17 MAY 2025 SATURDAY		
ONLINE PRESENTATIONS		
17 MAY 2025	SESSION 5	13:30 – 14:45
IMASCON 2025 SPRING SESSION 1.4 / 13:30 – 14:45	Hall : 1	17 MAY 2025
https://tinyurl.com/2w6rzuj7		
SESSION CHAIR : Mehmet YÜKSEL		
Mehmet YÜKSEL	Reduction of Pima Indians Dataset Using Rough Clustering Theory and Extraction of Decision Rules	
Atamer BAŞMANAV	Generative AI-Supported User Interface Design	
Sena BAYRAKTAR	User Trust and Perception in the Use of Generative Artificial Intelligence	
Elif ŞİLE	Reducing Cognitive Load with Generative Artificial Intelligence	
Melike ÇEKEN	Bias And Discrimination In Artificial Intelligence	
Eren İsmail DOĞAN	Dynamic Pricing With Fuzzy Logic In Airline Passenger Transportation	
IMASCON 2025 SPRING SESSION 1.4/ 13:30 – 14:45	Hall : 2	17 MAY 2025

https://tinyurl.com/33da8dfy		
SESSION CHAIR : Berşan SAATÇI		
Berşan SAATÇI	PMSG-Based Wind Turbines	
Berşan SAATÇI	Energy Storage Systems in Electric Vehicles	
Ahmet Alperen ALTUNDAL	An algorithm for distance protection based on the change of the voltage phase angle	
Muhammed Alperen ÇAKIR IMASCON	Assessing the Impact of Geometric Factors on Leakage Reactance in Transformers	
Emre GÖKTAŞ	Performance Evaluation of a PV System with Poly-Crystalline Si Module Technology Established in the Center of Batman Province for the Period 2014-2024	
Prof. Dr., Lyudmyla Symochko	Bioremediation of Contaminated Soils: Green Technologies for Sustainability	
IMASCON 2025 SPRING SESSION 1.4 / 15:00 – 16:15	Hall : 1	17 MAY 2025
https://tinyurl.com/3t9xn7vu		
SESSION CHAIR : Samet SARIOĞLU		
Samet SARIOĞLU	Numerical And Experimental Investigation Of Shaft Design For Vibration Reduction In Vertical Axis Wind Turbine Systems	
Samet SARIOĞLU	Experimental And Numerical Investigation The Effects Of A Shaft With Different Geometry On Vibration Reduction In Vertical Axis Wind Turbine System	
Yener YILMAZ	Simulation Assisted Production Of Fastener With High Head Diameter And Sw4 End Form In Cold Forging Process	
Muhammed Yusuf ELOĞLU	Topology Optimisation-Based Design Improvement Of The Connecting Bracket Used In The Double Front AXLE STEERING SYSTEM OF AN 8x4 TRUCK	
Eren ALTINAY	Mass Optimisation Of The Piston Engine Connecting Rod Using The Design Of Experiments Method	
Sefa TEMUR	A Numerical Study On The Effect Of Suspension Motion Ratio On The Roll Behavior Of A Special-Purpose Single-Seater Vehicle With Independent Suspension	
IMASCON 2025 SPRING SESSION 1.4 / 15:00 – 16:15	Hall : 2	17 MAY 2025
https://tinyurl.com/bd3rn8sn		
SESSION CHAIR : Dr. Mutlu KURBAN		
Dr. Mutlu KURBAN	Effect Of Use Of Different Lengths Of Basalt Fiber On Concrete Strength	
Sevim Şevval TUNÇAY	Experimental Investigation Of The Corrosion Resistance Of Reinforced Concrete Steels With Zinc Anode Addition Using Accelerated Corrosion Testing	

Merve ÖZAYDIN	Development of 8079 Aluminum/Polymer Composite Structure Using Co-Extrusion Technique
Ruşen Gökhan SAFRAN	Optimizing Automotive Wiring Harness Complexity With Correlation-Based Feature Selection And Machine Learning Models
Şamil ASLANKAYA	Development of a Collision Detection and High Voltage Cut-Off System through 6-Axis IMU Sensor Integration in Commercial and Electric Vehicles
Oğuz SARITAŞ	Sustainability Perceptions of Kocaeli University Students
Furkan Kadir BAYRAM	Metallographic and Hardness Analysis of 6000 Series Aluminum Alloy Welded Using Different Parameters

Discussion

ONLINE PRESENTATIONS

17 MA Y 2025	SESSION 6	16:30 – 17:45
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IMASCON 2025 SPRING SESSION 1.4 / 16:30 – 17:45	Hall : 1	17 MAY 2025
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<https://tinyurl.com/mrx4ay3w>

SESSION CHAIR : Ahmet Emre YILMAZ

Ahmet Emre YILMAZ	A New Approach to UAV Test Pilot Training
İhsan MAHMUTOĞLU	Adjustment Of Servo Motor Gains In Laser Cutting Machines Using Image Processing-Supported Fuzzy Logic Method
Gökhan KALKAN	Patent Data Analysis Based On Defense Technologies
Rabia ÇELENK	Transformational Leadership Effect On Extrinsic Motivation
Hüseyin Alp ERDEM	A Model Proposal for Inventory and Production Planning Based on the Reverse Planning Approach
Osman Furkan KOÇYİĞİT	Analysis Of The Effects Of Autoclave, Vacuum Infusion And 3d Methods On Production Efficiency And Cost In Defence Industry
Ozan ALP	Deep Learning Models For Forecasting Bist Renewable Energy Stocks

IMASCON 2025 SPRING SESSION 1.5 / 16:30 – 17:45	Hall: 1	17 MAY 2025
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SESSION CHAIR:

Discussion