

*Rumeli 1ST International Scientific Research Conference On
Sustainable Engineering And Technology (ISRCSET'22)
MAY 13 - 15, 2022 - ISTANBUL*

CONGRESS PROGRAM
Online (with Video Conference) Presentation

Meeting ID: 853 4114 7994

Passcode: 140522



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- Moderator is responsible for the presentation and scientific discussion (question-answer) section of the session.

TECHNICAL INFORMATION

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- Moderator is responsible for the presentation and scientific discussion (question-answer) section of the session.
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exp. H-2, S- 1 NAME SURNAME

Opening Speech 10 : 00 – 10 : 25 (Turkey Local Time)



Prof. Dr. Ibrahim YUKSEL - Chairman of the Conference

10:00 – 10:10



Prof. Dr. Hazım Tamer DODURKA - Istanbul Rumeli University -Rector

10:15 – 10:25



HALL 1 - SESSION 1		Meeting ID: 853 4114 7994	Passcode: 140522
14.05.2022 10:30- 12:00 (Turkey Local Time)		INVITED SPEAKER : PROF. DR. SUAT AKBULUT	
		MODERATOR: ASST. PROF., ELIF EBRU ERMIS	
Authors	Topic Title		
PROF. DR. SUAT AKBULUT	Nanotechnological Modification of Clay Soil in geotechnical Engineering.		
OKTAY ÇAVUŞOĞLU HAKAN AYDIN HALUK DİNKÇİ AHMET GÜRKAN YILMAZOĞLU UĞUR ÜZEL	Yeni Nesil Birleştirme Teknolojileri Kendinden Kilitlemeli Perçinleme		
OKTAY ÇAVUŞOĞLU HAKAN AYDIN AHMET GÜRKAN YILMAZOĞLU UĞUR ÜZEL SÜLEYMAN İNCE	AISI 304 Kalite Östenitik Paslanmaz Çeliğin Kaynak Parametrelerinin Mekanik Özelliklere Etkisi		
ASST. PROF. DR. SERTAÇ TUHTA	Determination Of Jacketing Of Beams On Dynamic Parameters Of RC Structure		
ASST. PROF. DR. SERTAÇ TUHTA	Effect Of Wing Wall On Dynamic Parameters Of Reinforced Concrete Chimney		
MOHAMMAD REZA AKHTARI SEYED AMIN TABATABAEI YAMCHI MIR SHAHRIAR HASHEMI ZONOZI SALAR SHATERI AMIR AMINZADEH GHAVIFEKR	Optimal Mixing Design of Fiber Self-Compacting Concrete and its Effect on the Compressive Strength of Concrete for Different Grades		
ASST. PROF., ELIF EBRU ERMIS PROF. DR., CUNEYT CELIKTAS	Revealing 137Cs Photopeak By Multi-Pixel Photon Counter		
ASST. PROF. DR. FURKAN GÜNDAY	Investigation Of Jacketing Of Columns Effect On Dynamic Parameters Of Reinforced Concrete Building		
ASST. PROF. DR. FURKAN GÜNDAY	Research Of Jacketing Of Shear Walls On Dynamic Parameters Of RC Structure		

HALL 2 - SESSION 1

Meeting ID: 853 4114 7994

Passcode: 140522

14.05.2022 10:30- 12:00 (Turkey Local Time)

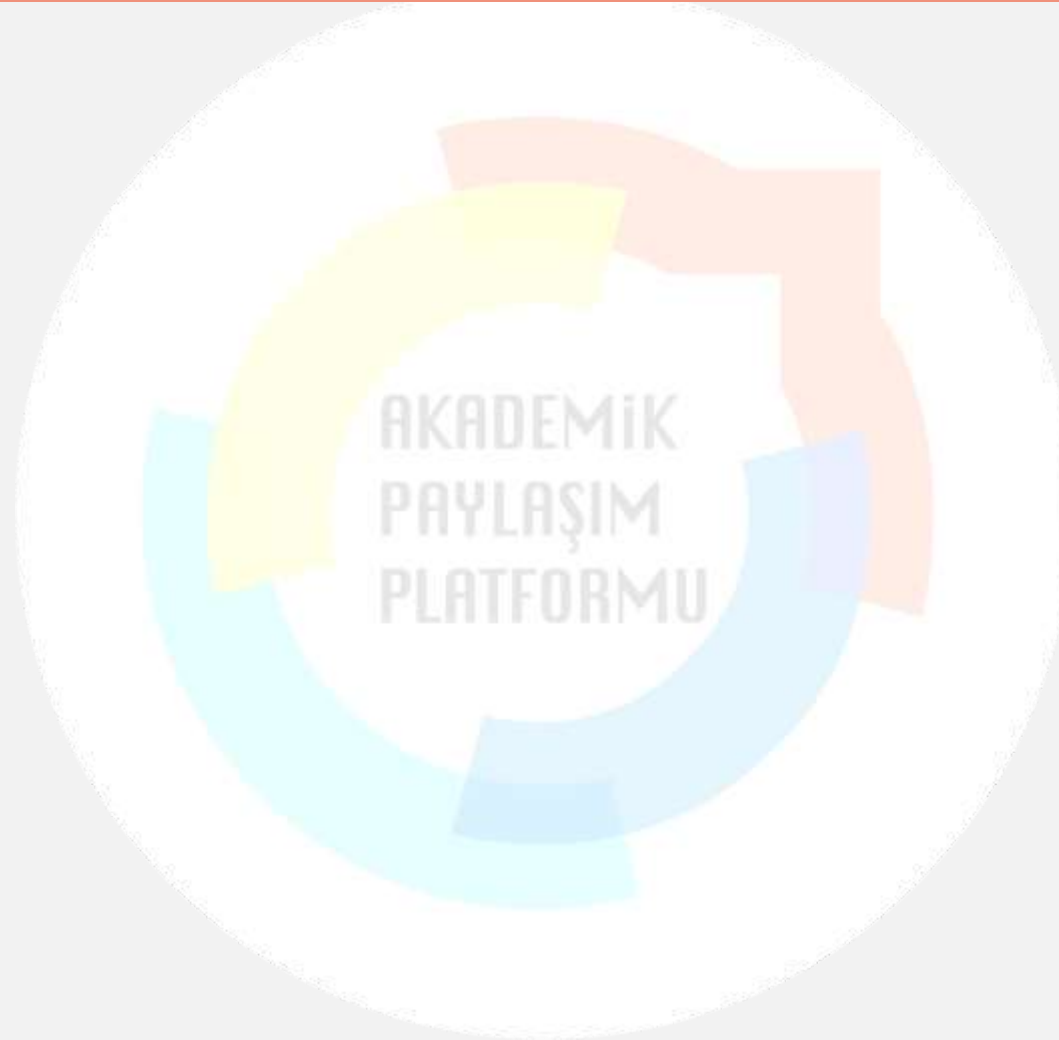
INVITED SPEAKER : **Assoc. Prof. Dr. Iman HAJIRASOULIHA**

MODERATOR: **DR. ÖĞR. ÜYE. BANU BULUT ACAR**

Authors	Topic Title
ASSOC. PROF. DR. IMAN HAJIRASOULIHA	Recent Advances In Optimum Seismic Design Of Structures Equipped With Energy Dissipation Devices
SENA NUR ASLAN DR. ÖĞR. ÜYESİ TÜLAY KORKUSUZ POLAT	Treyler Üretimi Yapan Bir İşletmede Üretim Planlama İçin İyileştirme Çalışması
MİHRİCAN ERDOĞAN DR. ÖĞR. ÜYESİ TÜLAY KORKUSUZ POLAT	Bir Döküm Fabrikasında Üretim Kapasitesini Ve Verimliliğini Arttırma Çalışması
EMRE YUMURTACI ALTUĞ BAKIRCI SEVDA TELLİ ÇETİN	Bir Otomobil Motor Alt Braket Sacının Kabartma Tiplerine Bağlı Olarak Doğal Frekansının Artırılması
AYSUN ŞENGÜL SONER ÇELEN HERKAİL ÖZEN	Kuvars Kumunun Akışkan Yataklı Kurutucuda Kurutulmasının Deneysel İncelenmesi
AMIT KUMAR	Power Quality Improvement For Non Linear Load Using Six Pulse Converter With Passive Shunt Filter
ASSOC. PROF. DR. İLKER ÖRS LECTURER SAVAŞ YELBEY ASSOC. PROF. DR. SELÇUK SARIKOÇ	Environmental Impacts Of Use Of Biodiesel Produced From Waste Cooking Oils In Diesel Engines
ARŞ. GÖR. YETKİN KARABULUT DR. ÖĞR. ÜYESİ YILDIZ KOÇ	Spin-On Tipi Yağ Filtresinin Hesaplamalı Akışkanlar Dinamiği Yöntemiyle Analizi
DR. ÖĞR. ÜYE. BANU BULUT ACAR	FeCrAl/U3Si2 Yakıtın Standart UO2 /Zr Yakıtı İle Aynı Yanma Oranına Ulaşması İçin Gerekli Zenginliğinin Belirlenmesi

SAYED AMIR HAMZEH MIRKHESHTI

Economic Evaluation Offshore Wind Project under Uncertainly and Risk Circumstances



HALL 3 - SESSION 1

Meeting ID: 853 4114 7994

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14.05.2022 10:30- 12:00 (Turkey Local Time)

INVITED SPEAKER : **PROF. DR. HASAN ARMAN**

MODERATOR: **DOÇ. DR. GÜRDAL KANAT YÜKSEK**

Authors	Topic Title
PROF. DR. HASAN ARMAN PROF. DR. ALA ALDAHAN ASSOC. PROF. DR. OSMAN ABDELGHANY MSC. SAFWAN PARAMBAN	Evaluating Geoengineering Properties Of Evaporitic Rocks From The City Of Abu Dhabi, United Arab Emirates (UAE): Overview And Data Base Generation
NURTEN DEVA MUHARREM ZABELI	Utilization Of Wastes As Alternative Raw Material In Cement Industry
HARİTA MÜHENDİSİ GÜRHAN DEMİRTAŞ PROF. DR. HEDİYE ERDOĞAN	Kadastro Paftalarının Yenileme Sonrası Değerlendirilmesi
MD. SHARAFAT CHOWDHURY ASSIS. PROF. BIBI HAFSA	Performance of Binary Logistic Regression and Random Forest Model in Creating GIS based Landslides Susceptibility Map at Rangamati Metropolitan Area, Bangladesh
ASSOC. PROF. KHANDAKAR HASAN MAHMUD RAJU AHMED MD. ABU SAYEID JANNATUN HUSSNA TUYA	Earthquake Spatial Zoning Of Bangladesh: A Study On The Spatial Autocorrelation Between Earthquake Epicenters And Geo-Tectonic Fault Lines
MÜH. MERVE ÖZGEL DOÇ. DR.,GÜRDAL KANAT YÜKSEK MÜH. BEKİR TOMBUL	Pb Ağır Metali İçeren Baca Gazı Tozunun Solidifikasyon/Stabilizasyon Prosesiyle Bertaraf Edilebilirliğinin İncelenmesi
HARİTA MÜHENDİSİ FURKAN KOCAMAN PROF. DR. HEDİYE ERDOĞAN	Coğrafi Bilgi Sisteminde Kanalizasyon Ve İçme Suyu Altyapı Bilgi Sistemi Oluşturulması
PROF. DR. İBRAHİM YUKSEL	Hydroelectric Potentials Of Small Streams Without Flow Measurement Stations In The Euphrates And Tigris Basins: A Case Study In Batman Basin

HALL 4 - SESSION 1		Meeting ID: 853 4114 7994	Passcode: 140522
14.05.2022 10:30- 12:00 (Turkey Local Time)		MODERATOR: DR. ÖĞR. ÜYESİ TUBA ÖZTÜRK	
Authors	Topic Title		
ASSOC. PROF. EHSAN SHAHGHASEMI	Human Sustainable Development: Welfare and Happiness in Iran		
MBA, OKECHUKWU JOSHUA	An Overview on Metaverse Tourism and Blockchain Technology and How It Can Revolutionize the Hospitality Industry		
HAYRİ YIGİT ALİ RİFAT BOYNUEGRI	Design And Implementation Of A Low-Cost Laser Diode Driver For Wireless Power Transmission		
DR. ÖĞR. ÜYESİ, İSMAİL AKGÜL DR. ÖĞR. ÜYESİ, VOLKAN KAYA	Review On Artificial Neural Networks		
DR. ÖĞR. ÜYESİ TUBA ÖZTÜRK	Evaluation Of Technological Development Within The Contex Of Environmental Sustainability Approach		
AYHAN TOKMAK DOÇ. DR. ÖVGÜ CEYDA YELGEL	Yapay Sinir Ağları İle Rüzgar Gücü Tahmini		
TADASHI WATANABE	Numerical Simulation of the Transient Shape Variation of a Rotating Liquid Droplet		
ARŞ. GÖR., BELKIZ TORĞUL PROF. DR., TURAN PAKSOY	Blok Zincir Uygulamaları İle Kapalı Döngü Tedarik Zincirinde Bilgi Yönetiminin Değeri		
UMUT BABAYİĞİT ASSOC. PROF. ALİ GEZER	DNS Based Scanning Approach For Trickbot Banking Trojan Detection		
RECEP YILDIRIM DR. ÖĞR. ÜYESİ, SINEM AKYOL	Doğal Dil İşleme Yöntemleri ile Sosyal Medya Paylaşımlarında Depresyon Tespiti		
NORAZAM ARBIN ISHAK HASHIM	Double-Diffusive Natural Convection with Marangoni and Cooling Effects		



HALL 5 - SESSION 1		Meeting ID: 853 4114 7994	Passcode: 140522
14.05.2022		10:30- 12:00 (Turkey Local Time)	
		MODERATOR: ABDULLAH ÖZKÖSE	
Authors	Topic Title		
PETR HOMOLA ROMAN RŮŽEK	Laser Beam Micro-Drilling Effect on Ti-6Al-4V Titanium Alloy Sheet Properties		
ARITRAS ROY RINKU MUKHERJEE	Unsteady 3D Post-Stall Aerodynamics Accounting for Effective Loss in Camber Due to Flow Separation		
NISRIN R. ABDELAL STEVEN L. DONALDSON	The Effect of Nylon and Kevlar Stitching on the Mode I Fracture of Carbon/Epoxy Composites		
ASSEM M. F. SALLAM AH. EL-S. MAKLED	Two-Stage Launch Vehicle Trajectory Modeling for Low Earth Orbit Applications		
ABDULLAH ÖZKÖSE AHMET TAMKOÇ	Determination of Agricultural Characteristics of Smooth Bromegrass (<i>Bromus inermis</i> Leyss) Lines under Konya Regional Conditions		
SHASHI SHARMA V. K. KATIYAR UADAY SINGH	Mathematical Modeling on Capturing of Magnetic Nanoparticles in an Implant Assisted Channel for Magnetic Drug Targeting		
HAITHEM ELDERRAT HUW DAVIES EMMANUEL BROUSSEAU	Improving the Exploitation of Fluid in Elastomeric Polymeric Isolator		
YOUSSEF KHMOU SAID SAFI MILOUD FRIKEL	Generalized Maximum Entropy Method for Cosmic Source Localization		
PRAVEEN SARASWAT RUDRAMAN SINGH	MHD Unsteady Free Convection of Heat and Mass Transfer Flow through Porous Medium with Time Dependent Suction and Constant Heat Source/Sink		
MOHAMMAD HASSAN HEIDARI AMIR HOSSEIN GOODARZI MAJID AZARNIUSH	Evolution of Cord Absorbed Dose during of Larynx Cancer Radiotherapy, with 3D Treatment Planning and Tissue Equivalent Phantom		



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ARESH VIKRAM SINGH
SARIKA NAGAR

Synthesis and Application of Tamarind Hydroxypropane Sulphonic Acid Resin for Removal of Heavy Metal Ions from Industrial Wastewater





HALL 6 - SESSION 1		Meeting ID: 853 4114 7994	Passcode: 140522
14.05.2022 10:30- 12:00 (Turkey Local Time)		MODERATOR: SAFAK ISIK	
Authors	Topic Title		
SANDHYA DIXIT TILAK RAJ	A TISM Model for Structuring the Productivity Elements of Flexible Manufacturing System		
NAMEESH MIGLANI RAJEEV SAHA R. S. PARIHAR	A Graph Theoretic Approach for Quantitative Evaluation of NAAC Accreditation Criteria for the Indian University		
SAFAK ISIK OZALP VAYVAY	Selection of Strategic Suppliers for Partnership: A Model with Two Stages Approach		
NAVEEN VIRMANI RAJEEV SAHA RAJESHWAR SAHAI	Identifying and Ranking Critical Success Factors for Implementing Leagile Manufacturing Industries Using Modified TOPSIS		
AMIR HADI ZIAIE	682 Non-Singular Gravitational Collapse of a Homogeneous Scalar Field in Deformed Phase Space		
EL-SADEK H. NOUR EL-DEEN K. HARBY	Solar-Powered Adsorption Cooling System: A Case Study on the Climatic Conditions of Al Minya		
ABBAS AL-REFAIE	Cluster Analysis of Customer Churn in Telecom Industry		
AHMED NOUAINIA MOHAMED HAJJI TAOUFIK AGUILI	Application of MoM-GEC Method for Electromagnetic Study of Planar Microwave Structures: Shielding Application		
EMAD ALENANY M. ADEL EL-BAZ	Modelling a Hospital as a Queueing Network: Analysis for Improving Performance		
HUBERT KLAR	Dominant Correlation Effects in Atomic Spectra		
AVDHESH K. SHARMA	Modeling Drying and Pyrolysis of Moist Wood Particles at Slow Heating Rates		



HALL 1 - SESSION 2

Meeting ID: 853 4114 7994

Passcode: 140522

14.05.2022 14:00 - 16:00 (Turkey Local Time)

MODERATOR: **CENK GÜNGÖR**

Authors	Topic Title
PROF. DR. ERGÜN ERÇELEBİ İBRAHİM HALİL POLAT	Gerçek Zamanlı Plaka Tanıma Sistemi (Raspberry PI Ve Phyton İle)
YUSUF TUNÇAY CENK GÜNGÖR	Application Of Radial Basis Functions Method To Advection- Diffusion Problem
CHEMICAL ENGINEER, ÖZGE DOYRANLI ASSOC. PROF. DR. HASAN ŞILDIR	Techno-Economic Analysis Of FDCA Production From Biomass And Bioethanol As A Co-Product
ARŞ. GÖR. DR. ERMAN ÇELİK	Investigation Of Biomimicry Approaches On Design Of Energy Harvesting Devices From Water Motion
ORHAN URAS KURTULUŞ	Challenge of Matrix-Light Technology on Automotive Exterior Lighting
ELNAZ LASHGARI EMEL DEMIRCAN	Electromyography Pattern Classification with Laplacian Eigenmaps in Human Running
FURKAN YANIK DR. ALİ RIFAT BOYNUEĞRİ DR. YAVUZ EREN	Delivery Operations In Warehouses By Ultracapacitor Powered Drones



HALL 2 - SESSION 2

Meeting ID: 853 4114 7994

Passcode: 140522

14.05.2022 14:00 - 16:00 (Turkey Local Time)

MODERATOR: **ARMAN ATASOY**

Authors	Topic Title
PROF. DR. İSMET SEZER	A Review Study On The Effects Of Dimethyl Ether On NOx Emissions In Diesel Engines
PROF. DR. İSMET SEZER	A Review Study On The Effects Of Dimethyl Ether On PM Emissions In Diesel Engines
FATEMEH MEHRI ARMAN ATASOY SOMA YEH MOLLAEI MEHDI BABAEI FAKHRADDIN GHAHRAMANI	Application Of Grasshopper Optimization Algorithm In Design Process Of Lead Rubber Bearing Seismic Isolator
DR. HALE BAKIR	The Detection Of Deteriorated PV Modules In Turkey
DR. HALE BAKIR	FV Panellerde Arıza Tespiti Ve Analizi
YUNUS SEVİM	A Study of an Improvement Median Filter for Impulse Noise
MELİKE KOCA CEYHUN YILDIZ Ö. FATİH KEÇEÇİOĞLU	Sayısal Hava Tahmin Verileri Ve Makine Öğrenmesi Algoritmalarının Türkiye’de Gün Öncesi Güneş Enerji Tahmini İçin Kullanılması: Eskişehir İlinde Şebekeye Bağlı Bir Güneş Enerjisi Santralinde Örnek Uygulama
ÖĞR. GÖR. EMRE YILMAZ	Eksenel Yük Etkisindeki Aramid Fiber Takviyeli Epoksi Matris Kompozit Plakların Farklı Fiber Açılarının Deformasyon Değişimine Etkilerinin İncelenmesi
FATIMA ZOHRA RAHOV A. GUEN BOUAZZA B. BOUAZZA	Simulation of High Performance Nanoscale Partially Depleted SOI n-MOSFET Transistors

HALL 3 – SESSION 2

Meeting ID: 853 4114 7994

Passcode: 140522

14.05.2022 14:00 – 16:00 (Turkey Local Time)

MODERATOR: **PROF. DR. AYDIN BAŞARIR**

Authors	Topic Title
KEMAJL ZEQRİ	The Indirect Impact Of Mining On Social-Wellbeing - Case Of Kosovo's Surface Coal Mines
PROF. DR. AYDIN BAŞARIR PROF. DR. HASAN ARMAN	The Impacts Of Climate Change And Socio-Economic Factors On Food Security: A Case Study Of United Arab Emirates
PROF. DR. AYDIN BAŞARIR MUMİN DAYAN	Factors Affecting Sustainable Food Innovations of Manufacturers: A Case Study of United Arab Emirates Food Industry
DR. ŞAKIR YILMAZ	Degradation Of Toxic Pollutant Catalyzed By Silver Nanoparticles Supported On Aloe Vera Leaves
DR.ÖĞR.ÜYESİ GAMZE BİLGİN MURAT DUYSAK	Türkiye Deprem Ve Kurtarma Çalışmaları
MURAT DUYSAK DR.ÖĞR.ÜYESİ GAMZE BİLGİN	Türkiye Sel Felaketleri: Giresun Örneği
PROF.DR. ABDULLAH KAYGUSUZ DOÇ.DR. ALAADDİN VURAL	Budak (Torul / Gümüşhane) Ve Çevresindeki Geç Kretase Yaşlı Volkanik Kayaçların Petrografik Ve Jeokimyasal Özellikleri
DOÇ.DR. ALAADDİN VURAL PROF.DR. ABDULLAH KAYGUSUZ	Yumrudağı Volkaniklerinin (Çanakkale/Türkiye) Genel Jeolojisi, Petrografisi Ve Jeokimyası



HALL 4 - SESSION 2

Meeting ID: 853 4114 7994

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14.05.2022 14:00 - 16:00 (Turkey Local Time)

MODERATOR: **AYMEN LAADHARI**

HAMDY M. YOUSSEF
EMAN A. AL-LEHAIBI

Adomian's Decomposition Method to Generalized Magneto-Thermoelasticity

MADHU ANEJA
SAPNA SHARMA

Numerical Approach to a Mathematical Modeling of Bioconvection Due to Gyrotactic Micro-Organisms over a Nonlinear Inclined Stretching Sheet

YIANNIS G. SMIRLIS

Classifying and Predicting Efficiencies Using Interval DEA Grid Setting

MAATOUG HASSINE
MOURAD HRIZI

Topological Sensitivity Analysis for Reconstruction of the Inverse Source Problem from Boundary Measurement

R. SEKULA

Material Concepts and Processing Methods for Electrical Insulation

ALLURU GOPALA KRISHNA
THELLA BABU RAO

Performance Assessment of Carbon Nano Tube Based Cutting Fluid in Machining Process

AYHAN AYDOĞDU
ERCAN CEYHAN
ALİ KAHRAMAN
NURSEL ÇÖL

Effects of Plant Densities on Seed Yield and Some Agricultural Characteristics of Jofs Pea Variety

AYMEN LAADHARI

An Implicit Methodology for the Numerical Modeling of Locally Inextensible Membranes

AHMAD H. ABDELGWAD

Microstrip Patch Antenna Enhancement Techniques

LOCHAN BASYAL

Email Based Global Automation with Raspberry Pi and Control Circuit Module: Development of Smart Home Application



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LOCHAN BASYAL

Email Based Global Automation with Raspberry Pi and Control Circuit Module: Development of Smart Home Application





HALL 5 - SESSION 2		Meeting ID: 853 4114 7994	Passcode: 140522
14.05.2022 14:00 - 16:00 (Turkey Local Time)			
MODERATOR: NURLIANI, IDA ROSADA			
Authors	Topic Title		
SHAIBU BAANNI AZUMAH WILLIAM ADZAWLA	Effect of Urea Deep Placement Technology Adoption on the Production Frontier: Evidence from Irrigation Rice Farmers in the Northern Region of Ghana		
NURLIANI, IDA ROSADA	Strategy in Controlling Rice-Field Conversion in Pangkep Regency, South Sulawesi, Indonesia		
AYUKO ITSUKI SACHIYO ABURATANI	Comparative Analysis of Soil Enzyme Activities between Laurel-Leaved and Cryptomeria japonica Forests		
GERALD AMATRE JULIUS BUNNY LEJJU MORGAN ANDAMA	Jigger Flea (Tunga penetrans) Infestations and Use of Soil-Cow Dung-Ash Mixture as a Flea Control Method in Eastern Uganda		
KRISHAN LAL ANISH DUA	Fish Catch Composition from Gobind Sagar Reservoir during 2006-2012		
ALI RABIEE HESSAM GHASEMNEJAD	Effect of Stitching Pattern on Composite Tubular Structures Subjected to Quasi-Static Crushing		
AHMAD AMIRI HAMED K. ARZANI S. N. KAZI B. T. CHEW	Numerical Heat Transfer Performance of Water-Based Graphene Nanoplatelets		
HAJJI LOBN CHATTAOUI MAYSSA REGAIEG HAJER	Biocontrol Effectiveness of Indigenous Trichoderma Species against Meloidogyne javanica and Fusarium oxysporum f. sp. radicis lycopersici on Tomato		

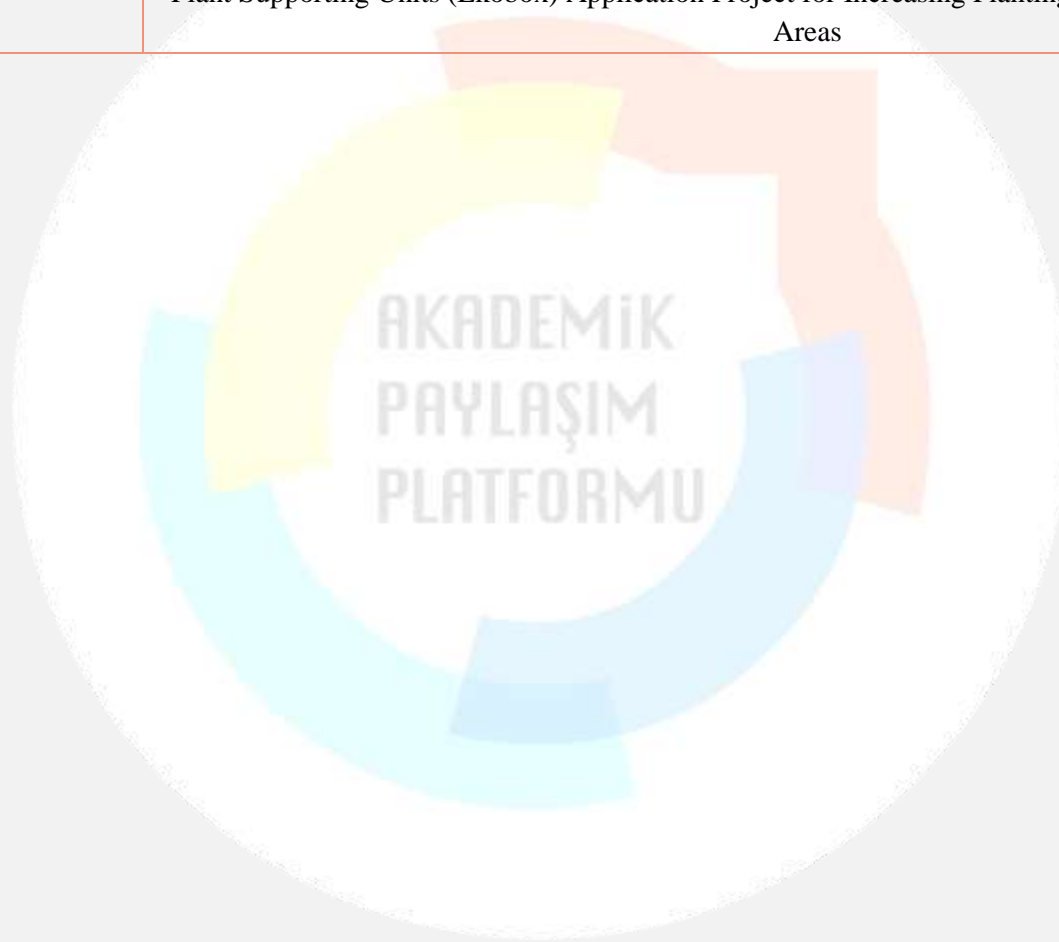


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M'HAMDI-BOUGHALLEB NAIMA RHOUMA ALI HORRIGUE-RAOUANI NAJET	
GÜRCAN D. BAYSAL ALI TANIŞ	Plant Supporting Units (Ekobox) Application Project for Increasing Planting Success in Arid and Semi-Arid Areas





HALL 6 - SESSION 2		Meeting ID: 853 4114 7994	Passcode: 140522
14.05.2022 14:00 - 16:00 (Turkey Local Time)			
MODERATOR: BADR M. ALSHAMMARI			
Authors	Topic Title		
MAHA BENHAMAD ALI SNOUSSI AMMAR BEN BRAHIM	A Simulation Model and Parametric Study of Triple-Effect Desalination Plant		
NUR SARMA PAUL M. TUOHY SINIŠA DJUROVIĆ	Investigation of Grid Supply Harmonic Effects in Wound Rotor Induction Machines		
JOSE D. HERRERA MARIO A. RIOS	A Multiobjective Damping Function for Coordinated Control of Power System Stabilizer and Power Oscillation Damping		
IDRIS A. ELFEITURI	Exergy Based Performance Analysis of a Gas Turbine Unit at Various Ambient Conditions		
AHMAD K. JASSIM RAHEEM KH. AL-SUBAR	Studying the Possibility to Weld AA1100 Aluminum Alloy by Friction Stir Spot Welding		
EKOW A. KWOFIE EMMANUEL K. ANTO GODFRED MENSAH	Determination of the Optimal DG PV Interconnection Location Using Losses and Voltage Regulation as Assessment Indicators Case Study: ECG 33 kV Sub-Transmission Network		
BADR M. ALSHAMMARI T. GUESMI	Optimal Design of Multimachine Power System Stabilizers Using Improved Multi-Objective Particle Swarm Optimization Algorithm		



MOSES C. SIAME KAZUTOSHI HAGA ATSUSHI SHIBAYAMA	Treatment of Low-Grade Iron Ore Using Two Stage Wet High-Intensity Magnetic Separation Technique
PETR MOHYLA IVO HLAVATÝ JIRÍ HRUBÝ LUCIE KREJČÍ	Investigation of Heat Affected Zone of Steel P92 Using the Thermal Cycle Simulator

