IAcSAS 2024

FINAL INTERNATIONAL UNIVERSITY

4TH INTERNATIONAL ARCHITECTURAL SCIENCES & APPLICATIONS SYMPOSIUM

May 30-31, 2024 / Final International University
Kyrenia, Turkish Republic of Northern Cyprus
Online and Face to Face

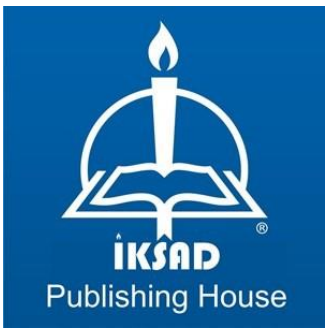
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IV. International Architectural Sciences and Applications Symposium

(IArcSAS-2024)

https://www.iarcsas.org/

May 30-31, 2024, Girne-Turkish Republic of Northern Cyprus

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(Abstracts & Full Texts)

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SYMPOSIUM ID

SYMPOSIUM TITLE

IV. International Architectural Sciences and Applications Symposium
(IArcSAS-2024)

DATE AND PLACE

May 30-31, 2024
Final International University, Girne- Turkish Republic of Northern Cyprus

ORGANIZING

The Editorial Board of the Journal of Architectural Sciences and Applications,
Isparta, Türkiye.
(https://dergipark.org.tr/en/pub/mbud)

Institute of Economic Development and Social Research,
Ankara, Türkiye.
(https://www.iksadinstitute.org/)

Final International University,
Girne- Turkish Republic of Northern Cyprus
https://www.final.edu.tr/

PRESENTATION

Oral and Online Presentations

EVALUATION PROCESS AND POLICIES

All applications have undergone double blind peer review process. In addition, each paper was accepted and the process of publishing in the book was carried out through editorial oversight. The published papers were presented and discussed at the meeting.

Full texts and abstracts published in accordance with the Symposium Policy have been prepared in accordance with ethical rules and APA standards. Authors of all papers are both ethically and legally responsible.

AIM OF THE SYMPOSIUM

This Symposium aims to bring together qualified scientists from Türkiye and abroad on a common international platform under the umbrella of Architectural Sciences and to enable different disciplines to share their valuable research.

TOPICS OF THE SYMPOSIUM

- Planning (Planning theories, planning paradigms, types of planning, regional planning, watershed planning, landscape planning, urban planning, rural planning, planning and protection, spatial and temporal changes, site selection methods, etc.)
- Design (Design theories, Space, Building, Urban, Landscape, Rural, Village, Tourism, Recreational, Environment, Interior Architecture, Plantation, Industrial Products, Ecological, Universal, Disabled, etc.)
- Sociology / Psychology / Art / Philosophy / History / Identity / Theory / Aesthetics
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- Tourism / Recreation / Cultural Tourism / Nature Tourism / Ecotourism / Archaeology
- Climate Change / Renewable Energy / Energy saving / Energy Transition / Water / Sustainability / Ecology/ Environment / Sustainable Development
- Smart and Ecological Cities / Urbanism / Landscape / Open and Green Spaces / Green infrastructure / Transportation / Urban Agriculture / Urban Renewal / Transformation
- Building Materials / Green Buildings / Urban Accessories and Furniture / Landscape materials/ Landscape Plant Materials and Using/ Plant Cultivation and Use
- Technology / Artificial Intelligence / Digital Architecture and 3D Software and Printer, GIS, Remote sensing
- Health / Pandemic / Food / Occupational Health and Safety
- Higher Education in Architectural Sciences / R&D / Scientific Researches / Publications
- Economic / Policies / Legislation / Management / Governance / Practices / Sectoral Problems
- Planning and Design Project Competitions and Processes /Applied Project

PARTICIPANTS COUNTRIES

Algeria, Azerbaijan, Germany, Hungary, India, Indonesia, Italy, Kazakhstan, Malaysia, Morocco, Nigeria, Portugal, Pakistan, Poland, Portugal, Romania, South Africa, Spain, Türkiye, Turkish Republic of Northern Cyprus, Vietnam

TOTAL ACCEPTED ARTICLES: 390

Number of Rejected Papers: 30
The Number of Accepted Papers from Türkiye: 182
The Number of Accepted Full Papers from Other Countries: 208

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- Naif Haddad - Department of Conservation Science, Queen Rania Faculty of Tourism and Heritage, Hashemite University, Jordan
- Nermeen Adnan Dalgamoni - Jordan University of Science and Technology, Department of City Planning and Design, Irbid, Jordan

- Neslihan Dalkılıç - Dicle University, Institute of Science and Technology, Department of Architecture, Diyarbakır-Türkiye
- Neslihan Yıldız - Istanbul Gedik University Faculty of Fine Arts and Architecture Department of Architecture, Istanbul-Türkiye
- Neşe Yılmaz Bakır - Erciyes University, Faculty of Architecture, Department of City and Regional Planning, Kayseri -Türkiye
- Nihal Arda Akyıldız - Balıkesir University, Faculty of Architecture, Department of Architecture, Balıkesir-Türkiye
- Nilay Coşgun - Gebze Technical University, Faculty of Architecture, Department of Architecture, Gebze-Türkiye
- Nilgün Görer Tamer - Gazi University, Department of City and Regional Planning, Ankara- Türkiye
- Nilüfer Kart Aktaş - Istanbul University-Cerrahpasa, Faculty of Forest, Department of Landscape Architecture, Istanbul -Türkiye
- Nur Belkayalı - Kastamonu University, Faculty of Engineering and Architecture, Department of Landscape Architecture, Kastamonu-Türkiye
- Nur Çağlar - TOBB ETU Faculty of Architecture and Design, Architecture, Ankara- Türkiye
- Nuray Benli Yıldız - Düzce University, Faculty of Art and Design, Department of Architecture, Düzce-Türkiye
- Nurdil Eskin - Istanbul Technical University, Department of Mechanical Engineering, Istanbul, Türkiye
- Nusret Algan - Mersin University Faculty of Fine Arts Ceramics Department, Mersin-Türkiye
- Oleksandr Zinenko - V. Karazin Kharkiv National University, Kharkiv, 61022, Ukraine
- Osman Arayıcı - Mimar Sinan Fine Arts University, Department of Interior Architecture, Istanbul-Türkiye
- Osman Attmann - The University of Colorado Denver, College of Architecture and Planning, Department of Architecture, Denver-USA
- Ömer Atabeyoğlu - Ordu University, Faculty of Agriculture, Department of Landscape Architecture, Ordu-Türkiye
- Ömer Faruk Uzun - Sakarya App. Sciences Univ. Faculty of Agriculture, Department of Landscape Architecture, Sakarya-Türkiye
- Ömer Lütfü Çorbacı - Recep Tayyip Erdoğan University, Faculty of Engineering and Architecture, Department of Landscape Architecture, Rize-Türkiye
- Ömer Mimaroğlu - Istanbul Sabahattin Zaim University Faculty of Engineering and Natural Sciences Department of Architecture, Türkiye
- Önder Küçükerman - Haliç University, Faculty of Architecture, Department of Industrial Design, İstanbul-Türkiye
- Özgü Özturan - Akdeniz University, Department of Interior Architecture, Antalya-Türkiye
- Özgür Yıldız - Malatya Turgut Özal University Faculty of Art, Design, and Architecture Department of Architecture, Malatya-Türkiye
- Özlem Bozkurt - Tekirdağ Namık Kemal University, Vocational School of Technical Sciences, Department of Materials and Materials Processing Technologies, Tekirdag-Türkiye

- Özlem Sağıroğlu - Gazi University, Faculty of Architecture, Department of Architecture, Ankara-Türkiye
- Pelin Şahin Körmeçli - Çankırı Karatekin University, Faculty of Forestry, Department of Landscape Architecture, Çankırı-Türkiye
- Pınar Kılıç Özkan - İzmir Demokrasi University, Faculty of Architecture, Department of Architecture İzmir - Türkiye
- Pervin Yeşil - Ordu University, Faculty of Agriculture, Department of Landscape Architecture, Ordu-Türkiye
- Piyush Sharma - Amity University, Hindistan/ Prof. Dr., Amity University, Hindistan
- Rosa Anna La Rocca - The University of Naples Federico II, Department of Civil, Architectural and Environmental Engineering, Napoli, Italy
- Rüya Ardıçoğlu - Firat University, Faculty of Architecture, Department of Architecture, Elazig-Türkiye
- S. Gül Güneş - Selçuk University, Faculty of Tourism, Department of Recreation Management, Konya-Türkiye
- Sadia Farooq - University of Home Economics, Lahore, Pakistan
- Salih Salbacak - Fatih Sultan Mehmet Vakif University, Department of Interior Architecture, Türkiye
- Saliha Taşçıoğlu - Kilis 7 Aralik University Technical Sciences Vocational School Department of Park and Horticulture - Türkiye
- Sara Demir - Bursa Technical University, Faculty of Forestry, Department of Landscape Architecture, Bursa -Türkiye
- Seden Acun Özgünler - Istanbul Technical University, Faculty of Architecture, Department of Architecture, Building Science Program, İstanbul-Türkiye
- Seema Mehra Parihar - Department of Geography, Kirori Mal College, University of Delhi, India
- Serap Kayasu - Middle East Technical University, Faculty of Architecture, Department of City and Regional Planning
- Serdar Selim - Akdeniz University Faculty of Science, Department of Space Science and Technologies, Department Of Distance Education, Antalya-Türkiye
- Serdar Oktay - Final International University, School of Tourism and Culinary Arts, Department of Tourism, TRNC
- Serpil Önder - Selçuk University, Faculty of Architecture and Design, Department of Landscape Architecture, Konya-Türkiye
- Sertaç Güngör - Selcuk University, Faculty of Architecture and Design, Department of Landscape Architecture, Konya-Türkiye
- Sevgi Yılmaz - Atatürk University, Faculty of Architecture and Design, Department of Landscape Architecture, Erzurum-Türkiye
- Shirin Izadpanah - Antalya Bilim University, Department of Interior Architecture and Environmental Design, Antalya -Türkiye
- Sibel Acar - TOBB ETU Faculty of Architecture and Design, Architecture, Ankara-Türkiye
- Silvia Rossetti - The University of Parma, Department of Engineering and Architecture, Parma Italy

- Sima Pouya - İnönü University, Faculty of Fine Arts and Design, Department of Landscape Architecture, Malatya-Türkiye
- Swetha Madhusudanan - MGR University, School of Architecture, Chennai, India
- Şevket Alp - Van Yüzüncü Yıl University, Faculty of Architecture and Design, Department of Landscape Architecture, Van-Türkiye
- Şeyda Emekci - Ankara Yıldırım Beyazıt University, Faculty of Architecture and Fine Arts, Architecture Department, Ankara- Türkiye
- Şirin Dönmez - Süleyman Demirel University, Faculty of Architecture, Department of Landscape Architecture, Isparta-Türkiye
- Şule Kısakürek - Kahramanmaraş Sütçü İmam University, Faculty of Forestry, Department of Landscape Architecture, Kahramanmaraş-Türkiye
- Şükran Şahin - Ankara University, Faculty of Agriculture, Department of Landscape Architecture, Ankara-Türkiye
- Taner Özdil - The University of Texas, College of Architecture, Planning and Landscape Architecture, Arlington-USA
- Tonguç Akış - İzmir Institute of Technology, Faculty of Architecture, Department of Architecture, İzmir - Türkiye
- Tonguç Tokol - Marmara University, Department of Interior Architecture, Istanbul-Türkiye
- Tuğba Düzenli - Karadeniz Technical University, Faculty of Forestry, Department of Landscape Architecture, Trabzon-Türkiye
- Ufuk Çoşgun - Karabük University, Faculty of Forestry, Department of Forestry, Karabük- Türkiye
- Umut Tuğlu Karslı - Istanbul University, Faculty of Architecture, Department of Interior Architecture and Environmental Design, Istanbul -Türkiye
- Ümit Yurt - üzce University, Düzce Vocational School Construction Technology Department, Düzce-Türkiye
- Vibhavari Janhi - Kansas State University, College of Architecture, Planning, and Design, Department of Interior Architecture & Product Design, USA
- Vagif Memmedov - Baku Engineering University, Baku- Azerbaijan
- Yasin Xəlilov - Baku Engineering University, Baku- Azerbaijan
- Zeidan Kafafi- Emeritus of Archaeology of Yarmouk University, Jordan
- Zeliha Şahin Çağlı - Ostim Technical University, Faculty of Architecture and Design, Department of Industrial Design, Ankara-Türkiye
- Zeynep Pirselimoğlu Batman - Uludağ University, Faculty of Forestry, Department of Landscape Architecture, Bursa -Türkiye
- Zuhal Kaynakçı Elinç - Akdeniz University, Faculty of Architecture, Department of Interior Architecture, Antalya Türkiye

IV. International Architectural Sciences and Applications Symposium

(IArcSAS-2024)

https://www.iarcsas.org/

May 30-31, 2024

Girne- Turkish Republic of Northern Cyprus

SYMPOSIUM SCHEDULE

Join Zoom Meeting

https://us02web.zoom.us/j/86052666988?pwd=QVh6aWM5MVEzQm8zaEdIVmVab0Q4Zz09

Meeting ID: 860 5266 6988
Passcode: 123456

PARTICIPATING COUNTRIES

Algeria, Azerbaijan, Germany, Hungary, India, Indonesia, Italy, Kazakhstan, Malaysia, Morocco, Nigeria, Portugal, Pakistan, Poland, Portugal, Romania, South Africa, Spain, Türkiye, Turkish Republic of Northern Cyprus, Vietnam

TOTAL ACCEPTED ARTICLES: 390

Türkiye: 182
Other Countries: 208

IMPORTANT

- To be able to make a meeting online, log in via **https://zoom.us/join** site, enter ID instead of "Meeting ID or Personal link Name'' and solidify the session.
- **Each presentation is limited to a maximum of 15 minutes.**
- **Session times should never be exceeded. It must be completed on time before the next session starts.**
- **Presentations can be presented in "English or Turkish". However, visual presentations must be "English text".**
- The Zoom application is free and no need to create an account.
- The Zoom application can be used without registration.
- The application works on tablets, phones, and PCs.
- Speakers must be connected to the session **15 minutes before** the presentation time.
- All Symposium participants can connect live and listen to all sessions.
- During the session, your camera should be turned on at least %70 of the session period
- Moderator is responsible for the presentation and scientific discussion (question-answer) section of the session.

TECHNICAL INFORMATION

- Make sure your computer has a microphone and is working.
- You should be able to use the screen sharing feature in Zoom.
- Attendance certificates will be sent to you as a pdf at the end of the Symposium.

Before you, log in to Zoom indicate Session and Hall number and your surname
(SESSION 1-HALL-1, BARAN)

ÖNEMLİ

- Sempozyumda Yazım Kurallarına uygun gönderilmiş ve bilim kurulundan geçen bildiriler için online (video konferans sistemi üzerinden) sunum imkanı sağlanmıştır.
- Online sunum yapabilmek için **https://zoom.us/join** sitesi üzerinden giriş yaparak "Meeting ID or Personal Link Name" yerine ID numarasını girerek oturuma katılabilirsiniz.
- **Her bir sunum en fazla 15 dakika ile sınırlandırılmıştır.**
- **Oturum süreleri kesinlikle aşılmamalıdır. Bir sonraki oturum başlamadan önce zamanında tamamlanmalıdır.**
- **Sunumlar "İngilizce veya Türkçe" sunulabilir. Ancak görsel sunumlar mutlaka "İngilizce metin" olmalıdır.**
- Zoom uygulaması ücretsizdir ve hesap oluşturmaya gerek yoktur.
- Zoom uygulaması kaydolmadan kullanılabilir.
- Uygulama tablet, telefon ve PC'lerde çalışmaktadır.
- Sunum yapacakların sunum saatinden **15 dk önce** oturuma bağlanmış olmaları gerekmektedir.
- Tüm katılımcılar oturumlara online katılıp dinleyebilir.
- Oturumdaki sunumlardan ve bilimsel tartışmalardan (soru-cevap) oturum başkanları sorumludur.

TEKNIK BILGILER

- Bilgisayarınızda çalışır durumda mikrofon bulunmalıdır.
- Zoom'da ekran paylaşma özelliği kullanılabilmelidir.
- Katılım belgeleri Sempozyum sonunda tarafınıza pdf olarak gönderilecektir.
- Sempozyum programında yer ve saat değişikliği gibi talepler dikkate alınmayacaktır.

Zoom'a girişte sırayla Oturum ve Salon numarasını ve Soyadınızı yazınız
(OTURUM 1-SALON-1, BARAN)

SYMPOSIUM SCHEDULE

May 30, 2024 (Thursday)

Join Zoom Meeting

https://us02web.zoom.us/j/86052666988?pwd=QVh6aWM5MVEzQm8zaEdIVmVab0Q4Zz09

Meeting ID: 860 5266 6988

Passcode: 123456

Cyprus Time 10:00-11:00	Opening Speeches

Cyprus Time 11:30-12:45	PANEL 1 (Face to Face and Online) (Hall: St. Hllarion)		
Moderator	Nafiya GÜDEN		
Invited Speakers	Birgül GÜVENIR BEYATLI	Hasan KARLITAŞ	Feriha TEL
13:00-14:00 IAUNCH			

	Face to Face SESSIONS May 30, 2024 (Thursday)		
Cyprus Time 14:00-16:15	SESSION 1 (Hall: St. Hilarion)	SESSION 2 (Hall: Kantara)	SESSION 3 Hall : Buffavento
Moderators	Seden TURAMBERK ÖZERDEN	Murat AKTEN	Ahmet FİDAN
Cyprus Time 16:30-18:45	SESSION 4 (Hall: St. Hilarion)	SESSION 5 (Hall: Kantara)	
Moderators	Soad Abokhamis MOUSAVİ	Tendü Hilal GÖKTUĞ	

May 30, 2024 (Thursday) (Online)

Join Zoom Meeting

https://us02web.zoom.us/j/86052666988?pwd=QVh6aWM5MVEzQm8zaEdIVmVab0Q4Zz09

Meeting ID: 860 5266 6988

Passcode: 123456

Cyprus Time 14:00-16:15	SESSION 6 (Online) HALL-1	SESSION 7 (Online) HALL-2	SESSION 8 (Online) HALL-3	SESSION 9 (Online) HALL-4	SESSION-10 (Online) HALL-5	SESSION 11 (Online) HALL-6	SESSION 12 (Online) HALL-7
Moderators	Filiz KARAKUŞ	Arzu ISPALAR ÇAHANTIMUR	Sevgi YILMAZ	Zeynep ÜSTÜN ONUR	Rasiha KAYALAR	Kamal Kumar ARORA	Slobodan POPOVIĆ

Cyprus Time 16:30-18:00	SESSION 13 (Online) HALL-1	SESSION 14 (Online) HALL-2	SESSION 15 (Online) HALL-3	SESSION 16 (Online) HALL-4	SESSION-17 (Online) HALL-5	SESSION 18 (Online) HALL-6	SESSION 19 (Online) HALL-7
Moderators	Ahmet Cüney DİRİ	Öner DEMİREL	Hasan YILMAZ	Kasra TALEBIAN	Deniz HASIRCI	Pelin FIRAT ÖRS	Abdelmoutalib BENFRID

Cyprus Time 18:15-20:00	PANEL 2 (Online) HALL-1				
Moderator	Aminreza IRANMANESH				
Invited Speakers	Ruşen KELEŞ	Şükran ŞAHİN	Mehmet TUNCER	Kağan GÜNÇE	

May 31, 2024 (Friday) (Online)

Join Zoom Meeting

https://us02web.zoom.us/j/86052666988?pwd=QVh6aWM5MVEzQm8zaEdIVmVab0Q4Zz09

Meeting ID: 860 5266 6988

Passcode: 123456

May 31, 2024							
	Cyprus Time 8:30-10:45	SESSION 20 (Online)	SESSION 21 (Online)	SESSION 22 (Online)	SESSION 23 (Online)	SESSION-24 (Online)	SESSION 25 (Online)
		HALL-1	HALL-2	HALL-3	HALL-4	HALL-5	HALL-6
	Moderators	Floriana ZUCARO	Şükran ŞAHİN	Pooya LOTFABADİ	Ufuk ÇOŞGUN	Halime GÖZLÜKAYA	Wasiu Abiodun MAKINDE
	Cyprus Time 11:00-13:15	SESSION 26 (Online)	SESSION 27 (Online)	SESSION 28 (Online)	SESSION 29 (Online)	SESSION-30 (Online)	SESSION 31 (Online)
		HALL-1	HALL-2	HALL-3	HALL-4	HALL-5	HALL-6
	Moderators	Sultan Sevinç KURT KONAKOĞLU	Ümit ARPACIOĞLU	H. Berk TÜRKER	Ahmet Erkan METİN	Fedwa BEGHDADI	Irfan MUSTAFA
	Cyprus Time 13:30-15:45	SESSION 32 (Online)	SESSION 33 (Online)	SESSION 34 (Online)	SESSION 35 (Online)	SESSION-36 (Online)	SESSION 37 (Online)
		HALL-1	HALL-2	HALL-3	HALL-4	HALL-5	HALL-6
	Moderators	Niyazi Uğur KOÇKAL	Şirin Gülcen EREN	Gizem DİNÇ	Hatice Eda GÜL	Kamiar YAZDANI	Alexandrov V.S.
	Cyprus Time 16:00-18:15	SESSION 38 (Online)	SESSION 39 (Online)	SESSION 40 (Online)	SESSION 41 (Online)	SESSION-42 (Online)	SESSION 43 (Online)
		HALL-1	HALL-2	HALL-3	HALL-4	HALL-5	HALL-6
	Moderators	Berna ÜSTÜN	Murat ZENGİN	Meryem Bihter BİNGÜL BULUT	Mete Ünal GİRGEN	Tuba Gizem AYDOĞAN	Dhulasiraman M
	Cyprus Time 19:00-21:45	SESSION 44 (Online)	SESSION 45 (Online)	SESSION 46 (Online)	SESSION 47 (Online)	SESSION-48 (Online)	SESSION 49 (Online)
		HALL-1	HALL-2	HALL-3	HALL-4	HALL-5	HALL-6
	Moderators	Asena SOYLUK	Leyla SURİ	Ertan DÜZGÜNEŞ	Mert ÇAKIR	Çağla AYDEMİR	İlayda TÜRKER

OPENING SPEECHES

Date: May 30, 2024

CYPRUS Time: 10:00 -11:15

Announcer:

Face to Face and Online

Join Zoom Meeting

https://us02web.zoom.us/j/86052666988?pwd=QVh6aWM5MVEzQm8zaEdIVmVab0Q4Zz09

Meeting ID: 860 5266 6988

Passcode: 123456

SPEAKERS	AFFILIATION
Prof. Dr. Atila GÜL	President of the Organizing Board (IArcSAS-2024) and Chief Editor, *Journal of Architectural Sciences and Applications*, Türkiye
Dr. Mustafa Latif EMEK	President of the Economic Development and Social Research Association (IKSAD), Türkiye
Prof. Dr. Orhan GEMİKONAKLI	Vice Rector of Final International University,
Özgün OLGUNER	TRNC Tourism Planning and Department Representative
Ahmet REŞBER	Çatalköy-Esentepe Municipality Director of Architecture Department

Invited Speakers for IArcSAS- 2024

PANEL-1

'Architectural Structures and Sustainable Tourism

May 30, 2024 (THURSDAY) - Cyprus Time: 11:30-12:45

Face to Face St. Hillarion-Salon II

Join Zoom Meeting

https://us02web.zoom.us/j/86052666988?pwd=QVh6aWM5MVEzQm8zaEdIVmVab0Q4Zz09

Meeting ID: 860 5266 6988- Passcode: 123456



MODERATOR
Nafiya GÜDEN







Birgül GÜVENİR BEYATLI	**Hasan KARLITAŞ**	**Feriha TEL**
Architect, Boutique Hotel businesswoman and Founder of Cyprus Small Hotels Association, North Cyprus	***Tourist Guide and Author, North Cyprus***	***President of the Cyprus Green Peace Movement, North Cyprus***
"The Contribution of Small Accommodations to Sustainable Tourism" *(Küçük Konaklamaların Sürdürülebilir Turizimine Katkısı)'*	**"Tour Guide Perspective on Architecture"** *(Tur Rehberinin Mimariye Bakış Açısı)*	**"Tourism and the Role of Infrastructure Development on the Environment"** *(Turizm ve Altyapı Gelişiminin Çevre Üzerindeki Rolü)*

Invited Speakers for IArcSAS- 2024

PANEL-2

Sustainable Urbanization and Architectural Heritage

May 30, 2024 (THURSDAY) - Cyprus Time: 18:15-20:00

Join Zoom Meeting

https://us02web.zoom.us/j/86052666988?pwd=QVh6aWM5MVEzQm8zaEdlVmVab0Q4Zz09

Meeting ID: 860 5266 6988-- Passcode: 123456



MODERATOR:

Assoc. Prof. Dr. Aminreza IRANMANESH









Prof. Dr. Ruşen KELEŞ	**Prof. Dr. Şükran ŞAHİN**	**Prof. Dr. Mehmet TUNCER**	**Prof. Dr. Kağan GÜNÇE**
Kapodokya University, Faculty of Architecture, Design and Fine Arts. City and Regional Planning, Ürgüp /Nevşehir, Türkiye.	*Ankara University Faculty of Agriculture, Department of Landscape Architecture, Department of Landscape Architecture, Ankara, Türkiye.*	*Çankaya University, Faculty of Architecture, Dep. of City and Regional Planning, Ankara, Türkiye.*	*Eastern Mediterranean University, The Department of Interior Architecture, Famagusta, North Cyprus.*
"Sustainability and Urbanization" *(Sürdürülebilirlik ve Kentleşme)*	**"Beyond Buildings: Exploring the Interplay of Ecological Dynamics and Urban Spaces"** *(Binaların Ötesinde Ekolojik Dinamikler ile Kentsel Alanların Etkileşimi)*	**"Türkiye Experience Within The Scope of Interdisciplinary New Town Project: Gaziantep Bizimşehir Project"** *(Disiplinlerarası Yeni Şehir Projesi Kapsamında Türkiye Deneyimi:Gaziantep Bizimşehir Projesi)*	**"Reviewing the Layers of Palimpsest City Nicosia through Architectural Heritage"** *(Palimpsest Kent Lefkoşa Katmanlarının Mimari Miras Üzerinden Okunması)*

THURSDAY – May 30, 2024 Cyprus Time 14:00-16:15 (Face to Face) SESSION-1, HALL-St. Hilarion / OTURUM-1, SALON- St. Hilarion MODERATOR: Seden TURAMBERK ÖZERDEN		
TITLE	AUTHORS	AFFILIATION
Smart Hotel Design of the Future: Case of Northern Cyprus	• Soad Abokhamis MOUSAVI • Nafiya GUDEN	Final International University
Architectural Adaptations of Emerging Nomadic Lifestyles in The New Digital Age	• Mulham HRİTANİ • Kasra TALEBIAN • Aminreza IRANMANESH	Final International University
Cultural Heritage Database: Presentation, Interpretation, and Expectations of Digitized Cultural Heritage in Virtual Museums	• Betül GELENGÜL EKİMCİ	İTÜ- TRNC Education and Research Campuses
Advancing Sustainable Tourism Practices in Northern Cyprus: Opportunities and Challenges	• Farzad SAFAEIMANESH • Nafiya GUDEN	Final International University
An Interactive Digital Platform for Preserving Sociocultural Heritage in Yeşilköy Through Local Participation and Crowdsourcing	• Elif Ece ILGAZ • Ahmet GÜN	Istanbul Kültür University
An Investigating the Role of Biomimetic Architecture Developments	• Elnaz FARJAMI • Shabnam GOLKARIAN • Nafiseh ZAMANZADEH	Near East University
Sustainable Pavements at the Neighborhood Scale	• Fatma AŞILIOĞLU • Rukiye Duygu ÇAY	Trakya University
The Role of Urban Green Spaces on Human Health	• Rukiye Duygu ÇAY • Fatma AŞILIOĞLU	Trakya University

THURSDAY – May 30, 2024
Cyprus Time 14:00-16:15
(Face to Face)
SESSION-2, HALL- Kantara / OTURUM-2, SALON- Kantara
MODERATOR: Murat AKTEN

TITLE	AUTHORS	AFFILIATION
The Relationship Between Landscape Architecture and Anthropometry the Case of Isparta Cumhuriyet Street	• Murat AKTEN • Deniz KARAKUYU	Süleyman Demirel University
Moss Wall Panel System in Vertical Plant Applications	• Sibel AKTEN • Şuayip KÖRÜK	Isparta University of Applied Sciences
Aesthetic and functional evaluation of planting design in Bursa Technical University Mimar Sinan Campus	• Onur AKSOY • Kamil ERKEN	Bursa Technical University
Resilient and Sustainable Cities: A Conceptual Framework	• Beyza Mürüvet YİĞİT • Murat AKTEN	Süleyman Demirel University
Evaluating School Spaces as Opportunities for Carbon Footprint Reduction	• Sibel AKTEN • Atila GÜL	Isparta University of Applied Sciences
Determining the Criteria for the Conversion of Existing Education Buildings According to Green Building Standards	• Hatice Eda GÜL • Seniye Ela GÜL • Sibel AKTEN • Atila GÜL	Süleyman Demirel University

THURSDAY – May 30, 2024
Cyprus Time 14:00-16:15
(Face to Face)
SESSION-3, HALL- Buffavento / OTURUM-3, SALON- Buffavento
MODERATOR: Ahmet FIDAN

TITLE	AUTHORS	AFFILIATION
An Innovative Approach in the Relationship between Material and Form: in Glass Fiber Reinforced Concrete (GFRC) Applications	• Esra BAYIR • Pelin KARAÇAR • Aysun Ferrah GÜNER • Zülal Nurdan KORUR	İstanbul Medipol University
Evaluation of BIM Applications in Türkiye	• Elif Hazal ŞENER • Aysun Ferrah GÜNER	Istanbul Medipol University
Floating Cities in Terms of Space Management: Structural, Legal, Administrative and Functional Approach	• Ahmet FIDAN • Pelin KARAÇAR	Ordu University
Evaluation of BIM Education in Architecture Undergraduate Programs Ranked in the Top 10 Based on the Cohe Score System in Türkiye	• Nafia Büşra ERSAVAŞ • Pelin KARAÇAR	İstanbul Medipol University
The Significance of Building Information Modeling (BIM) in Construction Management: A Perspective of Undergraduate Civil Engineering Students	• Gizem ŞIMŞIR • Ahmet TUZ	Istanbul Medipol University
Interaction of Urban Space and Everyday Life	• Seda Kaplan ÇINÇIN	Kocaeli University
Architectural Representation and Presentation of Modern Housing Architecture, 1950's	• Seda Kaplan ÇINÇIN	Kocaeli University
Teaching Sustainable Architectural Design with BIM	• Salih OFLUOĞLU	Antalya Bilim University

THURSDAY – May 30, 2024
Cyprus Time 16:30-18:45
(Face to Face)

SESSION 4, HALL- St. Hilarion / OTURUM-4, SALON- St. Hilarion
MODERATOR: Soad Abokhamis MOUSAVİ

TITLE	AUTHORS	AFFILIATION
Legislation on Energy Efficiency Practices in Buildings Proposal for TRNC	• Kerem AKKAYA	Çanakkale Onsekiz Mart University
Documentation of Earthquake Damages Over the Years and Restoration Recommendations for the Historic Malatya Teze Mosque	• Lale KARATAŞ	Bursa Technical University
Changing Concepts of Temporality and Permanence In 21st-Century Paradigms	• Orhun İNCE • Gülhis DUYGUN	Kocaeli University
A Study on Hygrothermal Performance of Traditional Veneered Timber Framed Exterior Wall in Türkiye	• Seda Nur ALKAN • Fatih YAZICIOĞLU	İstanbul Medipol University
Achieving Sustainable Development Goals (SDGs) via Energy Security through Sustainable Practices in Northern Cyprus	• Shahrzad SAFAEIMANESH • Farzad SAFAEIMANESH	Cyprus Science University
Effects of Anthropogenic Geomorphology on Collective Memory and Space Relationship	• Gülhis DUYGUN • Elif Yeşim ÖZGEN KÖSTEN	Kocaeli University
Experiences From the Disaster Perspective in Architecture	• Orhun İNCE • Gülhis DUYGUN	Kocaeli University
Yoga Tourism as a Type of SIT and Improvement Suggestions: Case of Northern Cyprus	• Naile SOYEL • Mete Ünal GİRGEN	Kyrenia Municipality

THURSDAY – May 30, 2024 Cyprus Time 16:30-18:45 (Face to Face) SESSION-5, HALL-Kantara / OTURUM-5, SALON-Kantara MODERATOR: Tendü Hilal GÖKTUĞ		
TITLE	AUTHORS	AFFILIATION
Adverse Impacts of Recreational Activities on Protected Coastal Ecosystems	• Tendü Hilal GÖKTUĞ	Aydın Adnan Menderes University
A Public Opinion Research for Environmental Impacts of the Aydın Railway Line and Its Planning as a Greenway.	• Burhan EŞLİK • Tendü Hilal GÖKTUĞ	Aydın Adnan Menderes University
Mountain Ecosystem and Recreation Services Examination in the Example of Mount Dedegöl	• Deniz KARAKUYU • Murat AKTEN	Süleyman Demirel University
Evidence-Based Design: An Assessment within the Framework of Landscape Architecture	• Nazlı Deniz ERSÖZ • Gül SAYAN ATANUR	Bursa Technical University
Visual Perception Analysis of 3rd Generation Coffee Houses: 'The Case of Akaretler'	• Serhat ANIKTAR • Elif Nur UYGUR	İstanbul Sabahattin Zaim University
A Children's Playground Proposal Based on Environmental Characteristics and Demographic Structure	• Nazlı Deniz ERSÖZ • Mahshid MIKAEIL	Bursa Technical University
Evaluation of Lake Eğirdir and its Coastal Band within the Scope of Blue-Green Infrastructure	• Hüseyin Batuhan DÜNDAR • Murat AKTEN	Süleyman Demirel University
Are Carbon Market Instruments Created by Neoliberalism Policies a Solution for Reducing Carbon Emissions	• Atila GÜL • İskender Emre GÜL	Süleyman Demirel University

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(Online)
SESSION-6, HALL-1 / OTURUM 6, SALON-1
MODERATOR: Filiz KARAKUŞ

TITLE	AUTHORS	AFFILIATION
Evaluation of Adaptive Reuse of Historical Buildings in Terms of Sustainability: The Case of Bolu Tabaklar Hamam/Bath	• Filiz KARAKUŞ	Ankara Yıldırım Beyazıt University
An Architectural Examination of Historical Water Structures in the Esenler District of Istanbul	• Miskine AKAR • Selvi Burcu GÜLER	Recep Tayyip Erdoğan University
Typological Analysis of The Projection Structure: Sivrihisar Traditional Houses	• Zuhal KARA SARIÇİÇEK • Hicran Hanım HALAÇ	Eskişehir Technical University
Ecological Settlements: The Example of Akpınar Neighborhood	• Ahmet Berk TAHMAZOĞLU • Demet IRKLI ERYILDIZ	Okan University
The Problem of Originality in Historicist Architecture After the 2000s: The Case of Government Mansions	• Elifcan DUYGUN • Rifat Gökhan KOÇYIĞIT	Pamukkale University
The Change of İnegöl City Center from Past to Present and Old Government House Conservation Project	• Seda ÇAKMAK • Zeynep ERES ÖZDOĞAN	Istanbul Technical University
An Inquiry of Traditional Urfa and Ürünlü Built Environment in the Context of Sustainability	• Hasan DOĞAN	Harran University

THURSDAY – May 30, 2024 Cyprus Time 14:00-16:15 (Online) SESSION-7, HALL-2 / OTURUM 7, SALON-2 • MODERATOR: Arzu ISPALAR ÇAHANTIMUR		
TITLE	AUTHORS	AFFILIATION
Historical Evolution of the Furnishings and Textile Features of İzmit Kasr-ı Hümayun	• Ebru ERDOĞAN • Tülay GÜMÜŞER • Gülşah ÜNER	Selcuk University
Reading Bauhaus at the Intersection of Architecture and Weaving	• Tülay GÜMÜŞER • Ebru ERDOĞAN • Büşra ÖZTÜRK	Selcuk University
A Versatisummaryle Look at the Furniture Design Adventure	• Esra ORHAN YILMAZ • Semih ÇINAR • Elif ÖZGEN	Artvin Çoruh University
Vernacular Architecture Strategies for Building Resilience in Informal Settlements of Bursa	• Rengin BECEREN ÖZTÜRK • Arzu ISPALAR ÇAHANTIMUR	Bursa Uludağ University
Evaluation of Traditional Houses in Balıkesir Urban Center for Conservation	• Ayşegül AĞAN	Balıkesir University
Property, Policy and Actor-Oriented Approach to the Classification of Rental Housing	• Muhammed Cemil DOĞAN • Ömür BARKUL	Usak University
An Attempt to Convey the Ekphrastic Space with Artificial Intelligence: Gulliver's Travels	• Meryem Sevde DOĞRUER • Arzu ÖZEN YAVUZ	Niğde Omer Halisdemir University

THURSDAY – May 30, 2024 Cyprus Time 14:00-16:15 (Online) SESSION-8, HALL-3 / OTURUM 8, SALON-3 MODERATOR: Sevgi YILMAZ		
TITLE	AUTHORS	AFFILIATION
Evaluation of the Effects of Wind on Outdoor Thermal Comfort in Rural and Urban Areas	• Mehmet Akif IRMAK • Sevgi YILMAZ • Hasan YILMAZ	Atatürk University
Pedestrian-Friendly Street Design Modeling with Wind Simulations in Cold Regions: A Case Study of Dadaşkent	• Sevgi YILMAZ • Mehmet Akif IRMAK	Atatürk University
Determining Temporal Changes in the Lakes of the Burdur Basin Using Google Earth Engine	• Nuriye Ebru YILDIZ • Barış KAHVECİ	Niğde Ömer Halisdemir University
Evaluation of Intensive Roofs in Energy Efficient Building Design and Their Role in Urban Food Security	• Enes AKDENİZ • Gülsen ÇELEN • Fatma AYDIN	Mimar Sinan Fine Arts University
The Effect of the Use of Undefined Urban Landscape Areas as Urban Agricultural Areas on Urban Aesthetics: Rize Fener Coast Case	• Fatma AYDIN • Enes AKDENİZ	Mimar Sinan Fine Arts University
Determination of Environmental Awareness Levels of University Students Regarding Climate Change: A Case Study of the Faculty of Architecture at Trakya University	• Afranur ÖZDEMİR • Emine KELEŞ	Trakya University
Determining the Carbon Storage Potential in Cities Using Geographic Information Systems and Remote Sensing Techniques: The Case of Ankara	• Nuriye Ebru YILDIZ • Şükran ŞAHİN	Niğde Ömer Halisdemir University
Examining the Influence of Various Pocket Park Designs on Thermal Comfort in Winter Cities Utilizing ENVI-met Analysis	• Sevgi YILMAZ • Başak ERTEM MUTLU	Atatürk University

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SESSION-9, HALL-4 / OTURUM 9, SALON-4
MODERATOR: Zeynep ÜSTÜN ONUR

TITLE	AUTHORS	AFFILIATION
First View Graphic Restoration Project Proposal of the Odina Jome Mosque in Kashkadarya Region	• Mirzo ULUGBEK	Samarkand State University of Architecture and Construction
Development of Preserving Cultural Heritage Sites Methods in a Large City (Using the Example of Moscow)	• E.A. KARFIDOVA • A.P. SIZOV	Institute of Environmental Geoscience Russian Academy of Sciences
Analysis of the Causes of the Abandonment of Telaga Rawa Jaya Tourist Attraction	• Dyah PURBANINGRUM • Hendri Hermawan ADİNUGRAHA • Muhammad Aris SAFI'I • Happy Sista DEVY	UIN K.H. Abdurrahman Wahid Pekalongan
Exploring the Nexus of Technology, Artificial Intelligence, & Architecture	• D. DEEPIKA	R.M.K. Engineering College
The Role of Artificial Intelligence in Optimizing Digital Architectural Designs	• Denada AHMETI RADA	Logos University College
Utilizing Python for Customizable 3D Modeling of Frame Structure Buildings: A Novel Approach to Digital Fabrication and 3D Printing	• Muneeb HASSAN	Pakistan Institute of Engineering and Technology
Using Photogrammetry for Digital Documentation of Heritage Sites and Objects in Jordan	• Fatima HAROUN	The Hashemite University
The Effect of Road Height on Noise Level Under the Canyon Effect	• Derin Hilal BİLMEZ • Ümit ARPACIOĞLU	Mimar Sinan Fine Arts University

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(Online)
SESSION-10, HALL-5/ OTURUM 10 SALON-5
MODERATOR: Rasiha KAYALAR

TITLE	AUTHORS	AFFILIATION
Opportunities for the Use of Artificial Intelligence in Organisations	• Vivien VÁGNER	University of Pannonia
Efficient Deep Neural Network Architecture for Practical Underwater Image Enhancement	• Ouafa. BENAIDA • Abdelhamid. LOUKI • Adda. ALI PACHA	University of Sciences and Technology of Oran Mohamed Boudiaf
Enhancing Academic Library Services: An Overview of Artificial Intelligence Applications	• Mahadevan BALASUBRAMANIYAn • Kannadasan KARUPPAIAH	Vellalar College for Women
The Role of Planning in Managing Material Resources in Small Scale Business Using De-Rahma Table Water Kaura Namoda Zamfara State, Nigeria.	• Sirajo SHEHU	Federal Polytechnic Kaura Namoda
Environmental Pollution's Impact on Life and Possible Solutions	• K. SIVASURIYAN • G. GUNASEKAR • S. GOWRI SHANKAR • V. AJAYDESOUZA • K. PRITHIVIRAJ	Annamalai University
Modeling, Simulation and Analysis of Wind System Based Doubly-Fed Induction Generator(DFIG) :	• Chaima GHERARI	University of Mohamed Cherif Messaadia
Social Economic Harmonization in Multıreligious Communities (Study in Linggoasri Village Indonesia)	• Muhammad SYUKRON • Hendri Hermawan ADİNUGRAHA	UIN K.H. Abdurrahman Wahid Pekalongan
Empowering MSME as a Driver of Economic Growth and Improving Economic's Welfare (Case Study of MSME in Kajen Subdistrict)	• Marshell Bahreiza Dana PUTRA • Hendri Hermawan ADINUGRAHA • Muhammad Aris SAFI'I • Happy Sista DEVY	UIN K.H. Abdurrahman Wahid Pekalongan

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SESSION-11, HALL-6/ OTURUM 11 SALON-6
MODERATOR: Kamal Kumar ARORA

TITLE	AUTHORS	AFFILIATION
Proficiency of Topical Platelet Rich Plasma with Vacuum Assisted Closure Over Platelet Rich Plasma Alone in Diabetic Foot Ulcers –A Clinical Prospective Comparative Study	• Kamal Kumar ARORA	Government Medical College
Fabrication of Metal-Organic Frameworks Based Supercapacitors and Investigation of its Faradaic and Non-Faradaic Response	• Usama ZAHID • Muhammad Ramzan KHAWAR • Yasir JAVED • Dongwhi CHOI	University of Agriculture
Comparative Study of the Structural and Vibrational Properties of Dy2MMnO6 Double Perovskites with M = Ni, Co, and Zn	• Hamza Ouachtouk Amine HARBi • Chaimaa MOUKHFi • Said AZERBLOU • Youssef NAIMI • El Mostafa TACE	University Hassan II of Casablanca
Effect of Date Seed Powder on Sensory, Nutritional, and Rheological Properties of Moroccan Sourdough Bread	• Elbatoul HANOUNE • Ouahiba LAOUAT • Mohammed Aziz ELHOUMAIZI	University Mohammed First
CaO-HAP Impregnated by ZnAl2O4 as a Potential Catalyst for Biodiesel Production	• Amina OUAHBI • Youness BOUHAJ • Said SAIR • Abdeslam EL BOUARI • Omar TANANE	HASSAN II University
Crop Biofortification Using Transgenic Approaches	• P. KATHIRAVAN • V. AJAYDESOUZA • G. GUNASEKAR • K. PRITHIVIRAJ • Gowri SHANKAR	Annamalai University
Fractional Order Dynamics for HIV/AIDS Transmission with Migration	• Safae L'KIMA • Elhoussine AZROUL • Abdelouahed ALLA HAMOU	Sidi Mohamed Ben Abdellah University
Study of Electronic, Thermodynamic, and Optical Properties of RbScO2: Ab initio Calculations	• S. DAHRI • A. JABAR • L. BAHMAD • L. B. DRISSI • R. AHL LAAMARA	Mohammed V University in Rabat

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(Online)
SESSION-12, HALL-7 / OTURUM 12, SALON-7
MODERATOR: Slobodan POPOVIĆ

TITLE	AUTHORS	AFFILIATION
Production and Characterization of Carbon Nanotubes from Biochar Under Microwave Irradiation.	• Faisal NAZIR	The University of Agriculture
The Significance of Transformation of the Banking System in Developing Countries Like the Republic of Serbia	• Lutovac JELEN • Slobodan POPOVIĆ	Megatrend University
Internal Control in the Work of the Financial Sector and the Real Economy Sector of Small Economies	• Slobodan POPOVIĆ • Lutovac JELENA	Megatrend University
Generation of Hydrogen Using Solar Photoelectrochemical Techniques with Dye Sensitizers.	• Wadiae EL BAHRAMI • Hassan MABRAK • IMANE BOUMANCHAR • YOUSSEF NAIMI	Hassan II University of Casablanca
Strengthening Corporate Governance via Internal Control	• Mohammed Saci FERDIA • Aida KAMMOUN	University of Sfax
Analysis of Implementation of Personal Income Tax (Pph21) in an Islamic Economic Perspective	• Lisna Nisa SAVILA • Hendri Hermawan ADİNUGRAHA	UIN K.H. Abdurrahman Wahid Pekalongan
Practical and Rapid Synthesis of Various Chromene-Based Pharmaceutical Products, Assisted by Ag@Co3O4/Alginate as a Heterogeneous Catalyst, Biodegradability, and Efficacy	• Taoufyk AZZEDDINE • Benhadria LAHOUCINE • Rezzouq ASIYA • Mahfoud AGUNAOU Lahoucine BAHSIS	Hassan II University

THURSDAY – May 30, 2024 Cyprus Time 16:30-18:00 (Online)		
SESSION-13, HALL-1 / OTURUM 13, SALON-1 MODERATOR: Ahmet Cüneyd DİRİ		
TITLE	AUTHORS	AFFILIATION
Evaluation of the Carbon Footprint of Thermal Insulation Materials Used in Building Envelopes within the Building Life Cycle	• Ahmet Cüneyd DİRİ	Mimar Sinan Fine Arts University
Field Study on Determining the Impact of Design Decisions on Energy Efficiency at Settlement Scale	• Ceren Aydan NASIR • Elif ÖZER YÜKSEL • Seher GÜZELÇOBAN MAYUK	Gebze Technical University
Comparative Analysis of Life Cycle Assessment (LCA) Software	• Neriman Gül ÇELEBİ • Ümit ARPACIOĞLU	Mimar Sinan Fine Arts University,
A Research About Life Cycle Assessment of Inorganic Based of Binders in Terms of Sustainability	• Ecem KÖŞÜRGELİ • Seden ACUN ÖZGÜNLER	Final International University
Building Anatomy: Impact of Internal and External Factors on Building Design; Production and Analysis	• Neslihan Efsa ÖZÇELİK • Murat SÖNMEZ	TOBB Economy and Technology University
An Examination on Sustainability in Graduate Thesis from the Perspective of Industrial Design	• Ege KAYA KÖSE	Ankara Yıldırım Beyazıt University
Multigenerational Houses and Intergenerational Housing Typology	Dicle ÖZAVCI	Siirt University
The Effect of Environmental Design and Architecture on Crime Prevention	Dicle ÖZAVCI	Siirt University

THURSDAY – May 30, 2024 Cyprus Time 16:30-18:00 (Online) SESSION-14, HALL-2 / OTURUM 14, SALON-2 • MODERATOR: Öner DEMİREL		
TITLE	AUTHORS	AFFILIATION
A Model Trial for Creating a Site Selection Model for Urban Forests in Our Country: Kırıkkale Urban Forest	• Öner DEMIREL • Meryem Bihter BINGÜL BULUT • Bilgenur AK • Tuba Gizem AYDOĞAN	Kırıkkale University
From the Cladding Towards the Skin: A Biomimetic Perspective on the Building Envelope	• Zelal CINAR	TOBB University of Economics and Technology
Walkability on University Campuses: A Development Project at Süleyman Demirel University	• Gizem DİNÇ • Gamze VERGİSİZ	Süleyman Demirel University
Solar-Related Performance-Oriented Digital Workflow	• Sercan DENİZ • Zelal ÇINAR	TOBB Economy and Technology University
Examination of the City Image Components and Sign Elements of Balat District Through Instagram Users	• Hicran Hanım HALAÇ • Ruken AVCI • Yasemin AKCAKAYA	Eskişehir Technical University
Accreditation of Graduate Education Programs and the First Steps Taken on This Topic in Our Country	• Öner DEMİREL • Saye Nihan ÇABUK • Şükran ŞAHİN • Alper ÇABUK • Sultan Sevinç KURT KONAKOĞLU	Amasya University
Accessibility of Traditional Buildings for Elderly Individuals: The Case of Tarsus Burhanoğlu Mansion	• Sena SOYUPAK • Gökhan UŞMA	Adana Alparslan Türkeş Science and Technology University
Examining Material Use in Architectural Design from a Biomimetic Perspective	• Menşure Kübra MÜEZZİNOĞLU • Egecan ALP	Fırat University

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SESSION-15, HALL-3 / OTURUM 15, SALON-3
• MODERATOR: Hasan YILMAZ

TITLE	AUTHORS	AFFILIATION
Involving Public Participation and Determining Preferences in Planning and Designing Noise Mitigation Barriers Along the Main Transportation Route in the City Center of Erzurum	• Ayşegül AKSU • Hasan YILMAZ	Atatürk University
The Importance of Bioclimatic Comfort in Ecopsychology Approach	• Ahmet Erkan METİN • Atila GÜL	Uşak University
The Role of Urban Planning in Controlling Noise Pollution from Road Transportation	• Barış KAHVECİ • Muzaffer YÜCEL	Niğde Ömer Halisdemir University
Effects of Material Selection on Urban Stormwater Management	• Nilay MISIRLI • Elif Ebru ŞİŞMAN	Trakya Üniversitesi
Investigation of the Role of Roofs in Rainwater Harvesting: Recep Tayyip Erdoğan University, Rize	• Ayça AKKAN ÇAVDAR • Esra LAKOT ALEMDAĞ	Recep Tayyip Erdoğan University
Exploring the Relationship Between Urban Resilience and Landscape Architecture	• Alev AD • Ömer Faruk UZUN	Sakarya University of Applied Science
An Evaluation on the Relationship Between Spatial Planning and Flood Disaster: The Case of Bozkurt, Kastamonu	• Zarife DEMİREZEN • Yasin BEKTAŞ	Erciyes University
Evaluation of the Sustainable Design Concept Through Architectural Project Competitions	• Nilay AYKAN • Esra LAKOT ALEMDAĞ	Recep Tayyip Erdoğan University

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SESSION-16, HALL-4 / OTURUM 16, SALON-4
• MODERATOR: Kasra TALEBIAN

TITLE	AUTHORS	AFFILIATION
Exploring the Compromise Value of Azimuth Angle for Thermal and Visual Comfort in a Building in the Temperate Dry Climate of Nigeria	• Muhammad Aminu MUSA	Ahmadu Bello University
A Framework for Optimising Passive Indoor Thermal and Visual Comfort in Single-Banked Office Buildings in the Temperate Dry Climate of Nigeria	• Muhammad Aminu MUSA • Abubakar Sadiq SALISU	Ahmadu Bello University
A Model for Assessing Urban Texture in Terms of Energy Efficiency and Thermal Comfort	• Mehrdad KARIMIMOSHAVER	Bu-Ali Sina University
Climate Change and Drought Vulnerability in Northeast Algeria: A Data-Driven Approach to Risk Assessment and Management	• Abderrahmane ZIARI • Abderrahmane MEDJERAB	University of Sciences and Technology Houari Boumediene Algeriers
How Climate Change Affects Agricultural Production	• K.R. PADMA • K.R. DON	Sri Padmavati Mahila Visvavidyalayam (Women's) University
Impact of Contrasting Climate Conditions on Pomegranate Development and Productivity: Implications for Breeding and Cultivar Selection in Colder Environments	• Atman ADIBA • Abdelmajid HADDIOUI • Rachid RAZOUK • Hicham OUHAKKi • Anas HAMDANI • Hakim OUTGHOULIASt • Jamal CHARAFI	National Institute of Agricultural Research
Reservoir Simulation of Teapot Dome Classic Reservoir: Comparison of Water Flooding and Gas Flooding	• Azamat BUKAYEV • Aisha TEMIRKHAN • Masoud RIAZIA	Nazarbayev University
Renewable Resilience: Promoting a Greener World with Sustainable Energy Strategies	• Ashraful AMIN • Shahareyar EMON • Jahid Hasan RANA • Abdul Kader JELANE	University of Rajshahi

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SESSION-17, HALL-5 / OTURUM 17, SALON-5 • MODERATOR: Deniz HASIRCI		
TITLE	AUTHORS	AFFILIATION
The Bio-Interior: Holistic Biophilia in the Interior Design Studio	• Deniz HASIRCI • Silvia ROLLA • Gözde Damla TURHAN-HASKARA • İdil BAKIR KÜÇÜKKAYA	Izmir University of Economics
Examining Corporate Identity in Interior Design Through Residences	• Mehmethan ÖZERDEM • Mehmet NORASLI	Selçuk University
Changes in the Exhibition Styles of Chicago Architecture Biennials	• İrem Cansu YALÇIN • Zeynep SARAÇ • Gürkan TOPALOĞLU	Ataturk University
A Review Study on the Acoustics of Contemporary Mosques	• Fatma YELKENCİ SERT	Dokuz Eylul University
Analysis of Burdur Cumhuriyet Square with Space Syntax Method	• Tuğba BALKIS • Berna GÜÇ	Süleyman Demirel University
An Example of Sports Facilities in the Ottoman Empire: Robert College Gymnasium Building	• Tuğba YILMAZ • Zeynep Gül ÜNAL	Yıldız Technical University
A Comprehensive Study on the Visual Comfort Conditions of Historical Mosque Buildings	• Fatma YELKENCİ SERT	Dokuz Eylul University
Representation Place of the Republic: Reading the Educational Buildings of Isparta City Istasyon Street Through Urban Memory	• Nurcihan AKDAĞ • Şefika Gülin BEYHAN	Süleyman Demirel University

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SESSION-18, HALL-6/ OTURUM 18, SALON-6
MODERATOR: Pelin FIRAT ÖRS

TITLE	AUTHORS	AFFILIATION
Leveraging Machine Learning for Early-Stage Energy Efficiency in Building Design: A Comprehensive Study on Predictive Models	• Hilab MANAL	University Mohamed Khider
Harmonizing Efficiency and Comfort: Unveiling Optimal Genetic Algorithm Parameters for Sustainable Building Design	• Hilab MANAL	University Mohamed Khider
Townhouse Design Solves the Problems of Tropical Climate, Save Energy and Ensure Thermal Comfort	• Bui Man Nghi • Dao Thanh Tam	University of Architecture Ho Chi Minh City
Advancements in Intelligent Optimization for Building Design: A Comprehensive Overview of Nature-Inspired Methods	• Hilab MANAL	University Mohamed Khider
Thermal Comfort in Commercial Buildings: A Comprehensive Study on Building Performance and Environmental Impact	• Hilab MANAL	University Mohamed Khider
Evaluating the Performance of Various Shading Devices on Daylighting For Visual Comfort in the Temperate Dry Climate of Nigeria	• Muhammad Aminu Musa • Usman, Abdullahi Muhammad	Ahmadu Bello University
Artificial Intelligence in Architecture for Energy Efficiency and Sustainability Objectives: Building Information Modeling, Virtual Reality, and Augmented Reality for Imaginative and Strategic Building Design and Layout	• Cristina Raluca Gh. Popescu • Gheorghe N. Popescu	University of Bucharest

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SESSION-19, HALL-7 / OTURUM 19, SALON-7
• MODERATOR: Abdelmoutalib BENFRID

TITLE	AUTHORS	AFFILIATION
Efficacy of Aloe Vera Supplemented Canola Meal Based Diets on Growth Performance, Nutrient Digestibility and Carcass Composition of Catla Catla Fingerlings	• Muhammad AMJAD • Syed Makhdoom HUSSAIN • Zeeshan YOUSAF • Muhammad MAHMOOD • Adan NAEEM • Eman NAMEEM	Government College University
Cancer Data Analysis with Data Mining Algorith	• Irshad ULLAH • Aamna Saleem KHAN	Concordia College and University Delaware
The Voigt Model is Used to Homogenize High-Performance Concrete by Adding Fine Particles of Sheep Bone to Replace Fine Sand and Minimize Porosity.	• Abdelmoutalib BENFRID • Mohamed BACHIR BOUIADJRA	Université Djillali Liabes
Sımulatıon Model of a Sıngle-Phase Inverter Usıng SPWM Unıpolar Technıque	• Ramzi EL IDRISSI • Abdelkabir BACHA • Fatima LMAI	Hassan II University
Socioeconomics Factors Affecting Access to Medications and Pharmacy Services	• R. VIDHYALAKSHMi • K. RAJAGANAPATHY	Bharath Institute Of Higher Education And Research
Investigation of Structural, Microstructural and Optical Properties of ZnO, Zn0.90Co0.05M0.05O (M= Na, Al, Cd, Cu) Thin Films by USP Method.	• Sabrina ROGUAI • Abdelkader DJELLOUL	University of Abbes Laghrour Khenchela
Formulation and Evaluation of Anti Diabetic Activity of Herbal Anti Diabetic Syrup with Fenugreek	• Hina KHALID • Ayesha GHIAS • Aisha Ghulam MUSTAFA • M. HUZAIFA ALI • Mishal SHOAIB DAR • Fareeha NAWAB	Hajvery University
Regression Analysis of Hospital Statistics: A Case Study of Akure Metropolis	• O. A. OLADIMEJI • S. T, OGUNBANWO • O. T, OYEJIDE • O. O. OYEBODE	Federal Polytechnic

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SESSION-20, HALL-1 / OTURUM 20, SALON-1
MODERATOR: Floriana ZUCARO

TITLE	AUTHORS	AFFILIATION
Comparative Analysis of Urban Land Cover Changes: A Case Study of İzmir, Türkiye, and Naples, Italy	• Floriana ZUCARO • Gizem DİNÇ • Atila GÜL	University of Naples Federico II
Analyzing Accessibility and Infrastructure of Cultural Heritage Sites for Visitors with Disabilities	• Nastaran DELJAVAN • Elif BİLMİŞOĞLU	KTO Karatay University
Investigation Heritage Conservation in Syria: Challenges and Strategies for Conserving the Ancient Palmyra Heritage Building	• Monzer JAGHLI • Shabnam GOLKARIAN	Near East University
Post-War Destruction and Rehabilitation Process: The Example of Syria-Aleppo	• Gülferah ÇORAPÇIOĞLU • Rüya AZİZE	Istanbul Arel University
Strategies for Urban Renewal in Revitalizing Tudun Ilu Neighborhood, Kaduna, Nigeria	• Aliyu HASSAn	Nigerian Air Force
Investigation of Sustainability Based Assessment Tools in Terms of Urban Landscape Quality	• Wajiha WAHEED	Allama Iqbal Open Univervity
Urban Planning	• Mustapha Imam MUHAMMAD	Bayero University
Historical Environment Protection Plans and Zoning Applications Antalya Province, İbradi District, Ormana Example	• Hüseyin CENGİZ	Istanbul Commerce University

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SESSION-21, HALL-2 / OTURUM 21, SALON-2
MODERATOR: Şükran ŞAHİN

TITLE	AUTHORS	AFFILIATION
Ecological and Social Significance of Green Bridge Applications in Existing Urban Matrix: A Case Study in Design	• Şükran ŞAHİN	Ankara University
Urban Transformation in the View of Landscape Urbanism: Cases from İstanbul	• Ayşe Betül ÇUFALI • Emine Figen DILEK	Karabuk University
The Correlation Between Perceived Naturalness and User Typology in Urban Green Spaces	• Nida KURAK • Serap YILMAZ	Karadeniz Technical University
The Potential for the Use of Phase Change Materials in Diverse Climate Zones Across Türkiye	• Rana UZUN • Elif ÖZER YÜKSEL	Gebze Technical University
The Effects of Natural Environments on Chıldren's Learning	• Serap YILMAZ • Nida KURAK	Karadeniz Technical University
“Material Choice” in Architectural Design as “Signature”: An Analysis Through the Materials Identified with Architects and Their Buildings”	• Serkan Yaşar ERDİNÇ • Ürün BİÇER	İstanbul Beykent Üniversitesi
The Effects of Glycine Betaine and Nitrogen Applications on Turfgrass Performance of Zoysia japonica	• Mert ÇAKIR • Meryem KURT • Songül SEVER MUTLU	Süleyman Demirel University

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SESSION-22, HALL-3 / OTURUM 22, SALON-3
MODERATOR: Pooya LOTFABAD

TITLE	AUTHORS	AFFILIATION
A Study to Understand the Management and Design of Green Buildings for Sustainable Development in the City of Bangalore, India	• Ravikeerthi Jangamakote VARADARAJU	Presidency College
The Role of Architecture in Sustainable Development	• Aminu Danrimi MAIKUDI	Studied at Kano University of Science & Technology Wudil - KUST
Cultural Heritage Protection and Historic Building Stability: From Geometrical Formation to Aesthetic	• Jumana Ahmad AQEEL • Naif Adel HADDAD	Hashemite University
Smart Sustainable Cities for Happier People as Envisioned by United Nations Economic Commission for Europe: Fostering Harmonious Societies, Improving Quality of Life, and Advocating Innovative Financing Approach	• Cristina Raluca Gh. POPESCU • Gheorghe N. POPESCU	University of Bucharest
Understanding Architecture: More Than Just Buildings.	• Wahaj HAIDER	Ahlul Bayt International University
Exploring Midjourney Parameters in Architectural Design: Chaos, Weird, and Stylize Parameters	• Merve GÖZEL • Changbae PARK	Pusan National University
A Method to Evaluate the Impact of Tall Residential Buildings on Cities	• Mehrdad KARIMIMOSHAVER • Banu ÖZKAZANÇ	Bu-Ali Sina University
Response of High Rise Building Against Earthquake Force and Wind Force Under Different Soil Conditions	• Subhashish DEY	Gudlavalleru Engineering College

FRIDAY – May 31, 2024
Cyprus Time 08:30-10:45
(Online)
SESSION-23, HALL-4/ OTURUM 23, SALON-4
MODERATOR: Ufuk ÇOŞGUN

TITLE	AUTHORS	AFFILIATION
Evaluation of Marketing Wood Production in Forestry	• Ufuk COŞGUN • Damla YILDIZ	Karabuk University
Exploring Teachers' Ecological Footprint Awareness	• Ömer ÇELİKKOL • Aytekin TOKGÖZ	Süleyman Demirel University
Evaluation of Employees' Perception of Workload and Job Satisfaction in Protected Areas	• Saime DEMİRTAŞ • Ufuk COŞGUN	Karabuk University
Determination of the Natural and Cultural Resource Values of the Turkish Republic of Cyprus in Terms of Tourism and Suggestions for Sustainable Management	• Sibel AKTEN • Gülsüm KASAP	Isparta University of Applied Sciences
Sustainable Ecotourism Policies in Forest Areas and Legislative Evaluations from Past to Present	• Damla YILDIZ • Ufuk COŞGUN	Karabuk University
Perception and Communication Awareness in Plants	• İlayda Merve İLERİ • Atila GÜL	Süleyman Demirel University
Evaluation of Metaphorical Perceptions of Ecotourism and Forest Park	• Damla YILDIZ • Ufuk COŞGUN • Hasan GÜNEŞ	Karabuk University
Local Identity Values and Analysis of Demre (Antalya) Region	• Atila Gül • Dilara ERDOĞAN	Süleyman Demirel University

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(Online)

SESSION-24, HALL-5 / OTURUM 24, SALON-5
MODERATOR: Halime GÖZLÜKAYA

TITLE	AUTHORS	AFFILIATION
Importance of Effective Leadership to Avoid Accidents at Construction Sites	• Subhojit CHATTARAJ • Sandeepan SAHA • Suman HALDER • Sudipta Naskar Alok DAS	Greater Kolkata College of Engineering and Management
Analysis of the Effect of Economic Growth on Poverty Levels in Pekalongan Regency	• KARTIKASARI • Muhammad SHULTHONI • Drajat STIAWAN	UIN K. H. Abdurrahman Wahid Pekalongan
Approaches for Analyzing Traffic Accident: A Comprehensive Overview	• Khanh Giang LE	University of Transport and Communications
Smart Traffic Systems Management in Connected Communities: Enhancing Safety and Mobility	• Khanh Giang LE	University of Transport and Communications
A Solution of Multi Objective Transportation Problem Under Uncertain Environments	• Mohammad NABEEL • Wajahat ALI • Sheema SADIA • Usman AKBAR	Aligarh Muslim University
IKN Tests the Technology Resilience of Smart Transportation Systems	• Indah KHOIRUNISA • Ade GUNAWAN • Santi Nailul IZATY	UIN K.H. Abdurrahman wahid Pekalongan
Noise Pollution Monitoring and Noise Mapping at Rajshahi University, Bangladesh	• Alamgir HASAN • Abul Kalam AZAD • KAMRUZZAMAN • MONIRUZZAMAN	Rajshahi University,
Antibiotic Pollution in Aquatic Environments: Understanding Environmental Impacts	• Priyanjali KAUSHAL • Aliza DANISH • Pushpanjali MAURYA • GULSHI • Shama AKHTAR • Mohd ZEESHAN • Abdul Rahman KHAN • Saimah KHAN	Integral University

FRIDAY– May 31, 2024
Cyprus Time 08:30-10:45
(Online)
SESSION-25, HALL-6 / OTURUM 25, SALON-6
MODERATOR: Wasiu Abiodun MAKİNDE

TITLE	AUTHORS	AFFILIATION
Fuzzy Logic with Artificial Intelligence in Improving Service Quality in e-government Applications	• Mohammad Ali AL QUDAH • Leyla MURADKHANLI • Mutaz Mohammed ABUHASHISH	Khazar University
Economic Survey of Household Expenditure Pattern during COVID-19 Pandemic in Ogun State, Nigeria	• Daud, S.A. • Amao, O. • Aderibigbe, I.A. • Sulaimon, I.O • Omotoso, A.B.	North-West University
Economic Problems of Society in the Perspective of Islamic Studies	• Nur HİDAYAH • Hendri Hermawan ADİNUGRAHA • Muhammad Aris SAFİ'I • Happy Sista DEVY	UIN K.H. Abdurrahman Wahid Pekalongan
Compensation Management and Employee Performance in the Federal Polytechnic, Ilaro, Nigeria	• Wasiu Abiodun MAKINDE	the Federal Polytechnic
The Role of Fiscal Policy in Reducing Poverty in Indonesia	• Neki BAROKAH • Hendri Hermawan ADINUGRAHA • M. Aris SYAFI'I • Happy Sista DEVI	UIN K.H. Abdurrahman Wahid Pekalongan
Ijarah and Implementation in Sharia Banking	• LAILATUSSIFA • Hendri Hermawan ADINUGRAHA • Muhammad Aris SYAFI'I • Happy Sista DEVY	UIN K.H. Abdurrahman Wahid Pekalongan
Healthcare Financing in the Context of South Asian Countries	• Azhar JAN • Meenakshi GUPTA • Sheikh Aftaab-Ul-MAROOF	Shri Mata Vaishno Devi University
The Impact of the Growth of Sharia Insurance on the Indonesian Economy	• Arziyah Windri WINDASARI • Hendri Hermawan ADINUGRAHA • M.Aris SYAFI'I • Happy Sista DEVI	UIN K.H. Abdurrahman Wahid Pekalongan

FRIDAY– May 31, 2024
Cyprus Time 11:00-13:15
(Online)
SESSION-26, HALL-1/ OTURUM 26, SALON-1
MODERATOR: Sultan Sevinç KURT KONAKOĞLU

TITLE	AUTHORS	AFFILIATION
A Bibliometric Analysis on the Use of Unmanned Aerial Vehicle in Land Use/Land Cover Studies	• Berkant KONAKOĞLU • Kadir Tolga ÇELİK • Sultan Sevinç KURT KONAKOĞLU	Amasya University
Structural System Optimization on Planets with Different Gravitational Accelerations	• Serra ÇELİK KIRATLI • Ali Osman KURUŞCU	Yıldız Technical University
Post Application Problems and Solution Methods in Wood-Based Building Envelope Materials	• Bahadır KIR • Zehra Canan GİRGİN	Yildiz Technical University
A Bibliometric Introduction to Architectural Research, Including the Words of "Wood" and "Carbon" Together	• Z. Sevgen PERKER • Merve Nur KORKUSUZ	Bursa Uludag University
Development Process of Iron Material Usage in Architectural Applications from Past to Present	• Gökhan MERMİ • Ümit ARPACIOĞLU	Istanbul Nişantaşı University
Energy Analysis of Natural Insulation Materials in Building Exterior Wall for Eco-Efficient Retrofits	• İlknur ARI • Figen BALO	Fırat University
Energy Efficiency of Building Envelopes Designed with Natural Stone and Foam Based Insulation Alternatives	• İlknur ARI • Figen BALO	Fırat University
Institutionalization of Contemporary Building Materials in Turkish Architecture: State Organizations and Regulations	• Sümeyye KORKMAZ • Zafer SAĞDIÇ	Yıldız Technical University

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(Online)

SESSION-27, HALL-2 / OTURUM 27, SALON-2

MODERATOR: Ümit ARPACIOĞLU

TITLE	AUTHORS	AFFILIATION
The Owning of Public Space: The Impact of Play on Urban Public Spaces in the Frankenberger Neighbourhood	• Pelin Işık • Christa Reicher	RWTH Aachen University
Exploring Playgrounds: The Innovative Design of Aldo Van Eyck and Isamu Noguchi	• Gizem BÜYÜCEK	Konya Technical University
Le Corbusier and His Influence on Sustainable Architecture	• Enes ÖNER • Şeyda EMEKÇİ	Ankara Yıldırım Beyazıt University
V. Chicago Architecture Biennial: Examining the Relationship between Discourse and Content	• Esmanur YAVUZ • Sena ŞEN • Gürkan TOPALOĞLU	Karadeniz Teknik Üniversitesi
Reading the New through the Traces of the Old: Palimpsest Space Şerefiye Cistern	• Zeynep TANRIVERDİ	Fatih Sultan Mehmet Vakıf Üniversitesi
Evaluation of Gaziantep Old Government House in the Context of Critical Regionalism	• Mine ÖZOVACI KILIÇ • Nur URFALIOĞLU	Yıldız Teknik University
Examining “Repetition” as a Design Attitude within the Framework of the Philosophy of Immanence: Creative Repetition in the Designs of Bernard Cache and Greg Lynn	• Çiğdem POLATOĞLU • Nehir SANRI DOĞAN	Yıldız Technical University
Architectural Transformation in Kars After 1877-78: Effects of Russian Rule and Housing Architecture	• Gül Helin ALINAK • Elif Özlem AYDIN	Gebze Teknik Üniversitesi

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(Online)

SESSION-28, HALL-3/ OTURUM 28, SALON-3
MODERATOR: H. Berk TÜRKER

TITLE	AUTHORS	AFFILIATION
Thermodynamic Optimization of Tb–Ni Binary System Supported by Dft Calculations	• Z. RAHOU • D. MOUSTAINe • Y. BEN-ALI • A. HALLAOUI	Sidi Mohamed Ben Abdellah University
Managerial Coaching and Subordinates' Work Behavior: Empirical Study At Malaysia's Public Department	• Nur Izzaty MOHAMAd • Suhaila ABDULLAH	Universiti Sains Malaysia
A Study on Biosorbents for the Removal Ofchloride Ion from Water	• Subhashish DEY	Gudlavalleru Engineering College
Study of Ti3C2/CNT Nanocomposite-Based Flexible Paper Electrode for Supercapacitor Applications	• Chetan Mainak BASU • Vijay KUMAR • Sunil KUMAR • Jatinder GARG	G.D. Goenka University
Improving Performance: Evaluating and Optimizing a 70 MW Thermal Power Plant through Energy Audits	• Deepak RATHOD • Ankit TIWARI	Shri Vaishnav Institute of Technology and Science
Mission Drift of Microfinance Institutions in India: Is it real?	• Anupama RAJPUt • Bhawna RAJPUT	University of Delhi
Optimal Power Conversion Efficiency of Perovskite Solar Cells	• Aisha SHAIKH • Pervez Hameed SHAIKH • Shoaib Ahmed KHATRI	Mehran University of Engineering & Technology
Radiographic Techniques for Estimating Dental Age: A Comparative Study	• Muhammad Salman KHA • Irfan ULLAH • Saskia L NASROEN • Ani Melani MASKOEN • ERLI SARILITA	University of Indonesia

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(Online)

SESSION-29, HALL-4/ OTURUM 29, SALON-4
MODERATOR: Ahmet Erkan METİN

TITLE	AUTHORS	AFFILIATION
Experimental Investigations on Performance of Biomedical Ash in Concrete	• Subhashish DEY	Civil Engineering Department, Gudlavalleru Engineering College
A Novel Technology for Ecological Pavement and Asphalt Production: Mine and Industrial Waste Plant (CDMI)	• Zakaria MAD ANI	Valbiom Cluster Morocco
Mechanical Properties of Sandcrete Blocks Used for Building Construction in Ilaro Township of Ogun State, Nigeria	• Olugbenga Babajide SOYEMI • Elizabeth Tofunmi OJELABI	The Federal Polytechnic
Ceramic tile Composition and Technological Properties Based on Moroccan Dark Clays	• Ayoub IMGIRNE • Youssef ARKAME • Achraf HARRATI • Abdelilah EL HADDAR • Aboubakar MOUSTAPHA • Chaouki SADIK	HASSAN II University
Study of Insulation Scenarios Using an Ecological Material as a Sustainable Solution for Comfortable and Efficient Buildings: The Case of Moroccan Buildings	• Hicham KADDOURI • Ayoub BOUCHARK • Abderrahim ABIDOUCHE	Abdelmalek Essaadi University
Laboratory Investigation on Brittleness Performances of Reinforced Masonry Cement Mortar Containing Recycled Glass Waste	• Benyahia AMAR	University of Blida
Assessment of the Properties of Innovative Cement Mortars Produced from Recycled Powder	• Benyahia AMAR • Salhi MOHAMED • Boubekeur TOUFIK	University of Saad Dahlab Blida 1
Comparison Effect of Single and Combined Applications of Municipal Sewage Sludge and Triple Superphosphate on Some Growth Traits of Quinoa under Saline Condition	• Hadis HATAMI • Hossein PARVIZI • Amir PARNIAN • Hossein BEYRAMI	National Salinity Research Center

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(Online)
SESSION-30, HALL-5/ OTURUM 30, SALON-5
MODERATOR: Fedwa BEGHDADI

TITLE	AUTHORS	AFFILIATION
Removal of Pharmaceutical Drugs from Binary Mixtures by Use of Nanocomposite: Experimental and Molecular Modeling Study	• SALAA Fahima • Benabbou Asmae • Medjdoub Aicha • Khelifa Amine	Université de Mostaganem
Some Natural Isolated Compounds as Anticancer Agents	• B. Pharm A. • Dinessh BABU	Bharath Institute Of Higher Education And Research Chennai
The Algerian Desert is a Rich Source of Actinobacteria with Important Biotechnological Activities	• Fedwa BEGHDADI • El-Hadj DRICHE	Hassiba Benbouali University of Chlef
Green Tea –An Antioxidant Mystic Herb	• B. Pharm • A. DINESH BABU	Bharath Institute Of Higher Education And Research Chennai
Fire Blight Disease is a tThreat to the Crop of Apple and Pear Trees	• Fedwa BEGHDADI • El-Hadj DRICHE	Hassiba Benbouali University of Chlef
Isolation and identification of actinobacteria from Algerian Saharan Soil	• Fedwa BEGHDADI • El-Hadj DRICHE	Hassiba Benbouali University of Chlef
Effect of Chromium (Cr) on Phase Transformation Behavior of Fe-20Mn-6Si Shape Memory Alloy	• Junaid KHAN • Rana Atta ur Rahman • Shahid MEHMOOD	University of Engineering and Technology
Numerical Simulation for the Thermal and Solute Analysis of Unsteady Non-Newtonian on the Oscillating Surface with Natura Convection	• T. SALAHUDDIN • Muhammad AWAIS	Mirpur University of Science and Technology

FRIDAY– May 31, 2024 Cyprus Time 11:00-13:15 (Online)		
SESSION-31, HALL-6/ OTURUM 31, SALON-6 MODERATOR: Irfan MUSTAFA		
TITLE	AUTHORS	AFFILIATION
Synthesis and Characterization of Silica-Chitosan Decorated Magnetic Nanostructure for Wastewater Treatment	• Syed Anam Shaheen ABBAS SHAH • Muhammad SHOAIB • Muhammad YASIN NAZ • Shazia SHUKRULLAH	University of Agriculture Faisalabad
The Biological Activity of Mesoporous Materials	• Boughedir NADIA	Université de Tlemcen
Exploring Chat-GPT'S Pivotal Role in Shaping the Landscape of Industry 4.0	• Zohaib Hassan SAIN	Superior University
A Theoretical Analysis of Fe2O3-C2H6O2 based Ferrofluid Flow through a Permeable Moving Wedge with Non-Linear Magnetic Field	• Irfan MUSTAFA	Allama Iqbal Open University
The Influence of Local Own-Source Revenue, General Allocation Funds, and Special Allocation Funds on Economic Growth in 15 Districts/Municipalities in West Java Province in 2021-2022	• Nafisah NURSAFANAH • Hendri Hermawan ADINUGRAHA • Muhammad Aris SYAFI'I • Happy Sista DEVY	UIN K.H. Abdurrahman Wahid Pekalongan
Risk Minimization with the Help of Computer Systems	• Aamna Saleem KHAN • Irshad ULLAH	Concordia College and University Delaware
Role of Nanorobotics in Healthcare	• Priyanshi GOYAL	Mangalayatan University
Conservation and Rehabilitation of the Roman Aqueduct of Gadara, the Ancient World Longest Aqueduct System	• Ziad Al SAAD	Yarmouk University-Jordan

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SESSION-32, HALL-1/ OTURUM 32, SALON-1
MODERATOR: Niyazi Uğur KOÇKAL

TITLE	AUTHORS	AFFILIATION
The Effect of Plant-Based Extract-Containing Mortars Used in Different Ratios on Performance	• Seda TURAN • Nazlı İpek KUL GÜL • Niyazi Uğur KOÇKAL • Fatih ÖZBAŞ • Selcan KARAKUŞ • Nevin TAŞALTIN	Antalya Belek University
A Research on the Usage Potential of Natural Compounds for the Protection of Wood against Fungi Problems in the Context of Eco-Friendly Wood Preservation Applications	• Selvi Burcu GÜLER • Seden ACUN ÖZGÜNLER	Istanbul Technical University
Investigation of Properties of Mortars Including Plant Extracts as a Waste	• Nazlı İpek KUL GÜL • Seda TURAN • Niyazi Uğur KOÇKAL • Fatih ÖZBAŞ • Selcan KARAKUŞ • Nevin TAŞALTIN	Antalya Belek University
How Can Architectural History Courses Be Made More Attractive: An Alternative Syllabus	• Cemile Feyzan ŞİMŞEK	Ankara Yıldırım Beyazıt University
The Effect of Fly Ash Aggregate Produced by Cold Bonding Method on Mortar Properties	• Niyazi Uğur KOÇKAL • Nazmiye KELEŞ	Akdeniz University
Comparison of the Production and Usage Performance of Container Structures and Earth Structures for Temporary Building	• Evrim SOLHAN • Seden ACUN ÖZGÜNLER	Mimar Sinan Fine Art University
Evaluation of the Effect of Biopolymer Additives on the Performance Properties of Earth Plaster	• Münevver Şeyda KÜÇÜKŞAKAL • Seden ACUN ÖZGÜNLER	Istanbul Technical University
Recreating Parts Produced on 3D Printers with Generative Design	• İskender Emre GÜL • Niyazi Uğur KOÇKAL	Akdeniz University

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SESSION-33, HALL-2/ OTURUM 33, SALON-2
MODERATOR: Şirin Gülcen EREN

TITLE	AUTHORS	AFFILIATION
Principles of Post-Disaster Urban Reconstruction and Planning	• Burcu GÜN • Şirin Gülcen EREN	Süleyman Demirel University
Urban Planning of Green Space as Tool of Oppression	• Abdurrahman MOHAMED • Salwa ABEDELAL	Antalya Bilim University
Gauthier Linear City for Urban Development in Gaza, Palestine	• Abdurrahman MOHAMED • Ina'am ELTAWIL	Antalya Bilim University
Examining the Effects of Regulated Intersections on Urban Landscape and Urban Transportation	• Duygu KARABIÇAK GÜNAYDIN • Esra ÖZHANCI	Nevşehir Hacı Bektaş Veli University
Investigation of Sense of Place within the Framework of Conservation Plans and Physical Space in Türkiye	• Emre KOLÇAK • Eti AKYÜZ LEVİ	Dokuz Eylul University
Distinction Between Form-Process and Making-Becoming: Epistemological Foundations of Urban Theories	• Elçin Burcu TEMEL • Rifat Gökhan KOÇYİĞİT	Maltepe University
Urban Rail System Line Planning in Al-Hofuf City, Saudi Arabia	• Ömer ÇÖLOVA • Majid ALJASIM	Karabük University
Rail System Route Planning in Egypt: The Case of Luxor	• Ömer ÇÖLOVA • İbrahim KILIÇ • Aziz KADIOĞLU	Karabük University

FRIDAY– May 31, 2024
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(Online)
SESSION-34, HALL-3/ OTURUM 34, SALON-3
MODERATOR: Gizem DİNÇ

TITLE	AUTHORS	AFFILIATION
Study on Self-Healing Concrete Through Experimentation	• Chayaraju BALASAI • Nadagouda KALYANI	G Pulla Reddy Engineering College
Experimental Study on the Behaviour of Concrete Filled Steel Tubes Subjected to Axial and Lateral Loading	• P. GAJALAKSHMI • Menaka A S	B.S Abdur Rahman Crescent Institute of Science and Technology
Ignition and Burning Rate of Sheanut Shell Briquettes Produced at Moderate Temperature and Die Pressure	• Elinge C.M. • D.Y. Bawa • M. S. Zubairu • Magaji M.B • F. A. Atiku	Kebbi State University of Science and Technology
A Study on Biosorbents for the Removal of in Organic Chemical from Water	• Subhashish Dey	Gudlavalleru Engineering College
A Review on Optimizing Design and Performance of Fiber-Reinforced Concrete	• Deep CHATTERJEE • Subhojit CHATTARAJ • Saheed KHAN • Soumi DEY • Jamuna PATRA	Brainware University
Optimum Design of Reinforced Concrete Cantilever Retaining Walls by Artificial Bee Colony Optimization Algorithm	• Mehdi Shalchi TOUSI	Beyte internatinal University
Microwave-Assisted Catalytic Co-Pyrolysis of Plastic Waste and Used Cooking Oil into Valuable Products as Sustainable Energy Source	• Farzin SHEIKH • Muhammad Yasin NAZ • Shazia SHUKRULLAH • Muhammad Rizwan KHALID	University of Agriculture
Transformation Sharia Finance Industry: the Vital Role of Financial Technology (Fintech) in Central Java	• Aulia Rahma Diniya PUTRI • Hendri Hermawan İNUGRAHA • M. Aris SYAFI'I • Happy Sista DEVY	UIN K.H. Abdurrahman Wahid Pekalongan

FRIDAY– May 31, 2024
Cyprus Time 13:30-15:45
(Online)
SESSION-35, HALL-4/ OTURUM 35, SALON-4
MODERATOR: Hatice Eda GÜL

TITLE	AUTHORS	AFFILIATION
Educational Context, Abilities and Entrepreneurial Intentions of University Students. Empirical Investigation	• Laura Diaconu MAXIM	University of Iasi
Women in Small Entrepreneurship in Kazakhstan	• Yerkezhan KENZHEALI • Talgatova DILNAZ	K. Sagadiyev University of International Business
Researching the Dynamic of Education Among Women in Kazakhstan	• Suleimenova ANEL	K. Sagadiyev University of International Business
Relatıonshıp Between Hedonıc Lıfestyle and Consumptıve Behavıor in Uın K.H Abdurrahman Wahıd Pekalongan, Indonesıa	• Muhammad Luki FATURROKHMAN • Hendri Hermawan ADINUGRAHA • Muhammad Aris SYAFI'I • Happy Sista DEVY	UIN K.H. Abdurrahman Wahid Pekalongan
Perceived Social Support and Illness Perception in Cardiac Patients Mediating Role of Psychological Morbidity	• Anam ARSHAD • Amarah QURESHI	University Of Management and Technology
The Influence of Population, Education, And Unemployment on The Number of Poor People in Central Java in 2021	• Arinal HUSNA • Hendri Hermawan ADINUGRAHA • Muhammad Aris SAFI'I • Happy Sista DEVY	UIN K.H. Abdurrahman Wahid Pekalongan
Ergonomic Assessment of Workers and Their Tasks in the Metal Casting Industry in North India	• Anmol BHALLA • Harjit SINGH • Harminder SINGH • Pahulpreet SINGH • Himanshu KHANNA • Manish DEV	Guru Nanak Dev University
Exploring the Potential of Online Learning: Opportunities and Challenges	• M. FAUZI • Milatul FATKHIYAH	UIN K.H. Abdurrahman Wahid Pekalongan

FRIDAY– May 31, 2024
Cyprus Time 13:30-15:45
(Online)
SESSION-36, HALL-5/ OTURUM 36, SALON-5
MODERATOR: Kamiar YAZDANI

TITLE	AUTHORS	AFFILIATION
The Role of Fiscal Policy in Promoting Sustainable Economic Growth	• Khabibah DZILKAMIL • Hendri Hermawan ADİNUGRAHA • Muhammad Aris SAFI'I • Happy Sista DEVY	UIN K.H. Abdurrahman Wahid Pekalongan
United for Sustainability: Collaborative Strategies for Global Development	• Ashraful AMIN • Shahareyar EMON • Jahid Hasan RANA • Abdul Kader JELANE	University of Rajshahi
Empowering Economic Development in Gejlig Village Through Village-Owned Enterprises (BUMDes)	• Muhammad Risqi HARYWIBOWO • Hendri Hermawan ADINUGRAHA • M. Aris SAFI'I • Happy Sista DEVY	UIN K.H. Abdurrahman Wahid Pekalongan
Unmasking Misinformation: A Multifaceted Strategy for Fake News Identification and Typology with TF-IDF & Passive Aggressive Classifier	• Mansi PATHAK • Varinder Kaur ATTRI	Guru Nanak Dev University
Impact of Behavioral Biases on Investment Behavior: A Study of Retail Investors	• Ishrat BASHIR • Sushil Kumar MEHTA	Shri Mata Vaishno Devi university
Unveiling Asymmetric Dynamics: Fossil Fuel Consumption and Carbon Emissions in India – Aggregate and Disaggregate Analysis	• Yousuf KHAN • Shadman ZAFAR • Syed Mohd. SHAHZEB • Mohd Azam KHAN	Aligarh Muslim University
Investment Potential for the Transfer of The Archipelago's Ikn in Indonesia	• Diva Nimas RAMADHANI • Hendri Hermawan ADİNUGRAHA • Muhammad Aris SYAFI'I, M.E.I • Happy Sista DEVY, M.M	UIN K.H. Abdurrahman Wahid Pekalongan
Implementation of I'm L Al-Kal M Rules in the Salam Contract in Online Buying and Selling Transactions	• Maryani Ayu RAHMAWATI • Hendri Hermawan ADINUGRAHA • M. Aris SYAFI'I • Happy Sista DEVY	UIN K.H. Abdurrahman Wahid Pekalongan

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SESSION-37, HALL-6/ OTURUM 37, SALON-6
MODERATOR: Alexandrov V.S.

TITLE	AUTHORS	AFFILIATION
Photocatalytic Properties of NiO and ZnO Thin Films for Ecology/Environment Application	• Khemissi LAHOUEL • Meriem GASMI	University of Abbes Laghrour
A Systematic Review of Work-Related Musculoskeletal Disorders in the Foundry Industry and Scope for Ergonomics Design Interventions	• Anmol BHALLA • Harjit SINGH • Harminder SINGH • Pahulpreet SINGH • Himanshu KHANNA • Manish DEV	Guru Nanak Dev University
Development of New Methods of Substance Analysis in Comparison with the Reference Sample	• Alexandrov V.S.	Kazan National Research Technical University named after A.N. Tupolev
Survival Time of Cancer Patients Using Some Distribution	• P. PANDIYAN • G. SATHYAMURTHY • G. SUBASH CHANDRABOSE	Annamalai university
Conservation of Beneficial Insects Through the Insect Hotels	• GUNASEKAR G • SIVASURIYAN K • AJAYDESOUZA V • GOWRI SHANKAR S • PRITHIV R	Annamalai University
Allelochemical Effect on Averrhoa Carambolal Inanatomical Architecture on Wheat Growth	• Syeda Sabika Zahra Naqvi • Syed Mohsan Raza Shah • Zaheer Abbas	University of Education
Using Nanotechnology in Heath science	• Lamia Berkane, Azzeddine Choughrem, Ghania Ahmed, • Dalal Doudi, Mohammed Sadok Derki, • Mohammed Nadjib Derki, • Chikha Maria, • Nadjah Bedida	University of El Oued
Toxic Effect of Microplastics Supplemented Sunflower Meal-Based Diet on The Growth Performance, Body Composition, Nutrient Digestibility and Hematology of Labeo Rohita	• Muhammad AMJAD • Eram RASHID • Syed Makhdoom HUSSAIN • Danish RIAZT • Zeeshan YOUSAF	Government College University

FRIDAY– May 31, 2024
Cyprus Time 16:00-18:15
(Online)
SESSION-38, HALL-1/ OTURUM 38, SALON-1
MODERATOR: Berna ÜSTÜN

TITLE	AUTHORS	AFFILIATION
Examining the Potentials of Media Architecture in Future Architectural and Public Spaces	• Işıl AKSU İŞLEK • Berna ÜSTÜN	Eskisehir Technical University
Examining the Perception of Space through Digital Installations	• Mehmet Akif SUBAŞI • Çiğdem POLATOĞLU SERTER	Yıldız Technical University
Interdisciplinary Nature-Based Collaboration in the Digital Age	• Elif YAMAÇ • Cahide AYDIN İPEKÇİ	Gebze Technical University
A New Complex Network Based Approach for Detection of Arrhythmias in ECG Signals	• Serkan AKSU • Bayram AKGÜL	Bartın University
A Neuroscience-Based Research Strategy for the Effect of Emotions in Architectural Design Thinking	• Sevim Gülen TÜRKER • Dilek YILDIZ ÖZKAN	Istanbul Technical University
A Classification Study on Systems That Provide Automated Control of BIM-Based Building Projects in Computerized Environment According to Building Regulations	• Murat AYDIN	Ankara University
Reflections of Primitive on Contemporary Architecture at the Intersection of Techne and Technology	• Merve ARTKAN • Berna ÜSTÜN	Antalya Bilim University

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Cyprus Time 16:00-18:15
(Online)
SESSION-39, HALL-2/ OTURUM 39, SALON-2
MODERATOR: Murat ZENGİN

TITLE	AUTHORS	AFFILIATION
Determination of Flood Risk Areas in Central District of Denizli Province	• Duygu DOĞAN • Murat ZENGİN	Pamukkale University
The Digital Documentation of Cultural Heritage: The Case of Kalaycıoğlu Masjid	• Leyla KADERLİ • Büşra UZASLAN	Erciyes University
Digital Urban Culture between Sustainability and Creativity: Flagship Projects of Dar-ül Mülk for Cultural Tourism	• Feyza TOPÇUOĞLU	Middle East Technical University
Interaction of Cultural Heritage Assets and New Media Art	• Işıl AKSU İŞLEK • Hicran Hanım HALAÇ	Eskisehir Technical University
Color-Urban Identity Relationship in Urban Designs	• Seyhan SEYHAN • Elif BAYRAMOĞLU	Karadeniz Technical University
Designing Urban Spaces as Emotions	• Elif SAĞLIK • Emine Berfin MINKARA	Çanakkale Onsekiz Mart University
The Effect of Transportation on Urban Identity in Urban Areas	• Seyhan SEYHAN • Elif BAYRAMOĞLU	Karadeniz Technical University
The Traces of Landscape in Historical and Touristic Streets: Ayvalık – Cunda (Alibey) Island	• Mahmut Can AST • Elif SAĞLIK	Çanakkale Onsekiz Mart University

FRIDAY– May 31, 2024 Cyprus Time 16:00-18:15 (Online) SESSION-40, HALL-3/ OTURUM 40, SALON-3 MODERATOR: Meryem Bihter Bingül Bulut		
TITLE	AUTHORS	AFFILIATION
Water Efficient Landscape Design for The Sustainability of Water Resources in Urban Areas	• Bilgenur AK • Öner DEMİREL • M. Bihter BİNGÖL BULUT	Kırıkkale University
Examination of Manisa Demirci 83. Yıl Park in Terms of Universal Standards for Disabled People	• Feyza AYDIN ÇOLAKOĞLU • Dilşen ONSEKİZ	Usak University
Generating Concepts in the Process of Environmental Design Projects: The Case of Trabzon Sera lake Resort	• Tuğba DÜZENLİ • Elif Merve ALPAK	Karadeniz Technical University
The Theory of Affordances and Its Relationship with the Environment	• Tuğba DÜZENLİ • Elif Merve ALPAK	Karadeniz Technical University
Turkish Heritage in the Wellness Culture in the City of Eger, North Hungary	• Sándor Földvári	Debrecen University
Sustainable Development and Environmental Protection	• Sreekumar S.L.,	University College TVM
Insights on International Charters and Urban Planning for the Preservation of Historic and Archaeological Sites	• Mohammad JUPER • Naif Adel HADDAD	Hashemite University
VR and edutainment for Cultural Heritage, Architecture and Urban Planning Interpretation & Tourism Promotion	• Hadeel WAHISH • Sara ALJABER • Naif Adel HADDAD	Hashemite University

FRIDAY– May 31, 2024
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SESSION-41, HALL-4/ OTURUM 41, SALON-4
MODERATOR Mete Ünal GIRGEN

TITLE	AUTHORS	AFFILIATION
Transportation in Tourism Development in Non-Urban Areas in Nigeria: Faith-Based Interventions	• Favour C. UROKO	University of Nigeria
Interpretation and Intervention in Historic Building as a Street of Art and Graffiti: The Palacio De Mansilla of the UNESCO World Heritage Site of Segovia, Spain	• Mira Naif HADDAD	IE University
Harnessing Ecotourism: A Catalyst for Conservation and Sustainable Community Development in Fragile Ecosystems	• Astitva Kumar RAO	Dr. B. R. Ambedkar National Law University
Recommendations for Sustainable Recreation Development Within the Carpathian Biosphere Reserve	• Natalia HABCHAK • Svitlana MYSHKO	Uzhhorod National University
Sites of Community Importance Versus Protected Areas of National Interest in Romania	• MIHĂILESCU Simona • GHEORGHE Florentina Iuliana • MANU Minodora • ONETE Marilena	Institute of Biology Bucharest of the Romanian Academy
Development of Agroforestry Ecotourism, Mapping of Tourist Objects and Attractions in Pasawaran Regency Lampung Province, Indonesia.	• Erlina Rufaidah • Surnayanti • Machya Kartika Tsani • Sugeng P Harianto • Nuril Atmajaya	, Universitas Lampung
Implementation of Multilingual Translation as a Customer Acquisition Tool for Turkish Hotels	• Vasyl PUZANOV	Zaporizhzhya National University
Analysis of the Influence of the Number of Accommodations, Tourist Attractions, and Transportation Availability on the Number of Domestic Tourist Visits in Central Java Province in 2021	• Laila Fitria Nur RAHMA • Hendri Hermawan ADİNUGRAHA • Muhammad Aris SAFI'I • Happy Sista DEVY	UIN K.H. Abdurrahman Wahid Pekalongan

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(Online)

SESSION-42, HALL-5/ OTURUM 42, SALON-5
MODERATOR: Tuba Gizem AYDOĞAN

TITLE	AUTHORS	AFFILIATION
The Role of Religious Moderation to Build Harmonious Interreligious Relations Through Cultural Accommodation	• Ardia Puspita DEWI • Hendri Hermawan ADİNUGRAHA • Aris SYAFI'I • Happy Sista DEVY	UIN K.H. Abdurrahman Wahid Pekalongan
"The Cultural Tapestry of Parenting in Pakistan: Insights into 'Pure Life' and Child-Rearing"	• Sareh Larijany • Sani e Zehra	Ahlul Bayt International University
“Alakdan: A Virtual Assistant for Centro Escolar University Processes”	• Dungca, Francis Steven Z. • Garduque, Reymark M., • Reyes, Ellesia Catherine P.	Student at Centro Escolar University
“MiniXplorer: An Image Recognition Mobile Application using Google Machine Learning Kit and Text-to-Speech Integration”	• Brendiz Allain Alamil	Centro Escolar University
Ethical Considerations in Technology Implementation In Various Sectors	• Gowri Shankar S • Ajaydesouza V • Gunasekar G • Kathiravan P • Prithiviraj K	Annamalai University
Driving Brand Leadership: Quality in the Indian Auto Industry	• Mikul • Ishwar Mittal • Rosy Dhall	Maharshi Dayanand University
A Study of Consumer Attitudes and Preferences Regarding Plant-Based Meat Substitutes	• Agata Studenna	KN Nutrition and Nutrition Prevention
Augmented Reality Mobile Applications Design for Mathematics Education: A case study of learning Linear Programming	• Laura Yohana • Asep Septiyono • Suyoto	Universitas Atma Jaya Yogyakarta

FRIDAY– May 31, 2024
Cyprus Time 16:00-18:15
(Online)
SESSION-43, HALL-6/ OTURUM 43, SALON-6
MODERATOR: Dhulasiraman M

TITLE	AUTHORS	AFFILIATION
Production of hydrogen fuel and carbon nanotubes from high-density polyethylene using an in-situ catalytic microwave pyrolysis process	• Bilal Shoukat • Muhammad Yasin Naz • Shazia Shukrullah • Hammad Hussain • Muhammad Shoaib	University of Agriculture Faisalabad
Empowering Health Through IoT-Driven Predictive Monitoring for Cost-Efficient Care	• Dhulasiraman M	R.M.K. Engineering College
Study of the Adsorption of a Basic Dyes on an Activated Carbon Derived from Jujube Cores	• BOUSSALAH Mohammed Ettahar • GUELLA Sofiane • MEDJAHDI Malika	University of Sidi bel Abbes
Quantile Regression Analysis on the New Unit Nadarajah and Haghighi Distribution	• Ayesha Siddique • Farrukh Jamal • Abdus Saboor • Shakaiba Shafiq	The Islamia University of Bahawalpur
Sedimentology and Characterization Physico-Chemical and Textural Properties Textural Properties of Bentonites Kert Neogene Basin	• Ait Hmeid H • Akodad M • El Halim M • Omdi F.E • Baghour M • Skalli A • Chahban M Aalaoul M	Mohamed 1st University
Comparison Study Between Sliding Mode Control and Backstepping Control Of A Wind Power System Based on the DFIG Generator	• Abdelghafour HERIZI • Riyadh ROUABHI • Al hassan BOUSSAG • Abdesattar DJALAB	University of M'sila
A Novel Chaotic Image Encryption Technique Based on Filtering Operation and 4D Hyperchaotic System	• M. Naim, A • Hadj Brahim	University of Sciences and Technology of Oran Mohamed Boudiaf
Smart Electric Vehicle Charging System Integrated with Renewable Sources	• B. PHARM, • A. DINESH BABU	Swedish College of engineering and technology Taxila

FRIDAY– May 31, 2024
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(Online)

SESSION-44, HALL-1 / OTURUM 44, SALON-1
MODERATOR: Asena SOYLUK

TITLE	AUTHORS	AFFILIATION
Analysing The Aesthetic Control Practices Between the Ranges of Centrality-Locality and Recommendation-Prohibition	• Tarık Emre KIRHALLI • Rifat Gökhan KOÇYİĞİT	Mimar Sinan Güzel Sanatlar Üniversitesi
Examining The Concept of Place Attachment in a Temporary Accommodation Space Like Dormitory: Yeditepe University Dormitory Example	• Cansu Aktaş	Yeditepe University
Finite Element Analysis of Adobe Building Components	• Dilara KALLİ • Ali İhsan ÇELİK	Erciyes University
Examination The Effects of Iconic Buildings On Cities	• Güler BAYRAK ALCA • Berrin ŞAHİN DİRİ	Mimar Sinan Fine Arts University
Earthquake Caused Embodied Energy Potential of Demolition WasteA Case Study in Istanbul	• Ceren ÇAKAR • Cenk Üstündağ	Istanbul Technical University
A Journey with the Senses in Library Design	• Hande EYÜBOĞLU • Serap FAİZ BÜYÜKÇAM	Samsun University
The Role of Vernacular Housing Architecture in Cultural Sustainability: The Bodrum Peninsula Example	• İlayda Demirci • Hümeyra Birol	Dokuz Eylül University
Left Behind: Waste Museums	• Serap FAİZ BÜYÜKÇAM • Hande EYÜBOĞLU	Ondokuz May University

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SESSION-45, HALL-2/ OTURUM 45, SALON-2
MODERATOR: Leyla SURİ

TITLE	AUTHORS	AFFILIATION
Architectural Solutions Inspired by Nature and Bringing You Closer to Nature	• Leyla SURİ	Istanbul Commerce University
Shelter Design for Living Species in Terrain Vague	• Deniz Kantar	Istanbul Bilgi University
Spatial Assessment of Bakırköy Ispirtohane, a Renovated Industrial Heritage	• Refia Anıl AĞRILI • Emel İŞLEYEN	Marmara University
Use of Multi-Criteria Decision Support Systems in Reusing of Historical Buildings	• Gülferah ÇORAPÇIOĞLU • Osman Serdar SANCAK	Istanbul Arel University
Planning Surface Runoff Using Green Infrastructure Systems in Urban Waterways	• Nazmiye ERMEYDAN • Serhat ANIKTAR	Istanbul Sabahattin Zaim University
A Cartography of Contemporary Earthen Buildings in Türkiye	• Furkan Taha GEDİKLİ • Işıl RUHİ-SİPAHİOĞLU • Matthieu Joseph PEDERGNANA	TOBB University of Economics and Technology
Spatial/Legal Problems of Cappadocia Troglodytes and Solution Suggestions	• Emine AKCAN ŞİRİN • Ufuk DOĞRUSÖZ	Istanbul Commerce University
Establishing the Post-Disaster Shelter and Belonging Bond	• Selin Rüya ÇAKIR • Ümit Turgay ARPACIOĞLU	Istanbul Gelişim University

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SESSION-46, HALL-3/ OTURUM 46, SALON-3
MODERATOR: Ertan DÜZGÜNEŞ

TITLE	AUTHORS	AFFILIATION
Comparative Analysis of Visitor Preferences in Different Status Protected Areas Using Social Media Metrics	• Ertan DÜZGÜNEŞ • Duygu KARABIÇAK GÜNAYDIN	Karadeniz Technical University
Analysis of Natural Children's Playgrounds from an Ecological Perspective	• Duygu KARABIÇAK GÜNAYDIN • Ertan DÜZGÜNEŞ	Karadeniz Technical University
Evaluation of the Use of Virtual and Augmented Reality Technologies in the Presentation of Cultural Heritage Sites in the Context of Conservation Principles	• Merve Aslı KARA YÜKSEL	Maltepe University
Nature and Ecosystem Based Solutions in Urban Areas	• Burçin EKİCİ • Tuğba ARSLAN	Tekirdağ Namık Kemal University
Conservation of Historical Roads and Cultural Route Concept: The Case of Eğirdir District	• Merve YILMAZ • Elvan Ebru OMAY POLAT	Yıldız Technical University
Landscape Planning	• Muhammad MUHAMMAD	Cairo University
Watershed Planning	• Khamisu ABDULLAHI	UIN K.H. Abdurrahman Wahid Pekalongan

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SESSION-47, HALL-4/ OTURUM 47, SALON-4

MODERATOR: Mert ÇAKIR

TITLE	AUTHORS	AFFILIATION
Determination of The Effects of Biostimulant and Nitrogen Applications on The Establishment of Bermuda Grass from Sprigs	• Bora Mert ŞAHİN • Bahar SANCAR • Songül SEVER MUTLU	Akdeniz University
The Effects of Biostimulant and Fertilizer Applications on The Winter Dormancy of Bermudagrass (*Cynodon dactylon* L. Pers)	• Yakup SEVGİN • Bahar SANCAR • Songül SEVER MUTLU	Akdeniz University
Effects of Artificial Intelligence Supported Smart Irrigation Systems on Water Efficiency and Plant Production	• Gülcay ERCAN OĞUZTÜRK • Şüheda TAMER • Meryem YURTSEVEN	Recep Tayyip Erdoğan University
The Role of Building Integrated Agriculture Systems as Potential Food Production Areas in Ecological Building Design	• Beyza Aleyna BAYRAM • Pınar KISA OVALI	Trakya University
Impact Assessment of Climate Change on Rice Crop in the Main Areas of Pakistan	• Muhammad Umer HAMEED • Syed Aftab WAJID • Iqra Ali AHMAD	University of Agriculture Faisalabad
Agroforestry Tree Cover Change in Agricultural Landscapes Following Farmland Exclosure in Tigray, Ethiopia	• Gebremariam YAEBIYO • Emiru BIRHANE • Tewodros TADESSE • Abbadi GIRMAY • Kiros MELES HADGU • Solomon KIROS	Tigray Agricultural Research Institute
Tuberculosis is a Threat to Olive Trees	• Fedwa BEGHDADI • El-Hadj DRICHE	Hassiba Benbouali University of Chlef
Leveraging ICT and AI for Sustainable Precision Agriculture in Pakistan- Greenai	• Muhammad FAISAL	Asian Countries General Coordinator

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SESSION-48, HALL-5/ OTURUM 48, SALON-5
MODERATOR: Çağla AYDEMİR

TITLE	AUTHORS	AFFILIATION
Development of Computer Technology-Based Elementary School Learning Media in The Modern Era	• Nila SA'ADAH • Hendri HERMAWAN ADINUGRAHA • M. ARIS SYAFI'I • Happy SISTA DEVI	UIN K.H. Abdurrahman Wahid Pekalongan
Embracing Diversity: Promoting Inclusivity in Classroom Environments for Visually Impaired Students	• Sadhna JAIN • Baldev GULATI	University of Delhi
The impact of artificial intelligence technology on education management and educational jobs	• Mahmoud KIASATI	Cairo University
Social Cohesion and Solidarity: The Impact of Rehabilitation Beyond Housing	• Francisca MACHADO	University of Minho
Virtual Augmented and Mixed Reality to Improve Education Systems	• Mutaz Mohammed ABUHASHISH • Leyla MURADKHANLI • Mohammad Ali AL QUDAH	Khazar University
Friend or Foe? Assessing the Impact of Plagiarism Detection Software on Writing Instruction	• Zohaib Hassan SAIN	Superior University
Addressing Psychosocial Challenges Through Action: A Fieldwork Experience in Community	• Mohd KAIF • Qurratul AIN ALI	Medicine Department, Aligarh Muslim University
Batang Integrated Industrial Estate: Opportunities and Challenges for a Sustainable Economic Future	• Aulia Isna Shinta WATI • Hendri Hermawan ADINUGRAHA • M. Aris SYAFI' • Happy Sista DEVY	UIN K.H. Abdurrahman Wahid Pekalongan

FRIDAY– May 31, 2024
Cyprus Time 19:00-21:45
(Online)

SESSION-49, HALL-6/ OTURUM 49, SALON-6

MODERATOR: İlayda TÜRKER

TITLE	AUTHORS	AFFILIATION
The Impact of Lactobacillus in fruit and Vegetable Coating on Food Safety and Shelf Life	• Narges FATHABADIBOZCHELOEI • Zahra REZAPOUR	Islamic Azad University
Health-Related Behavior of Students in University of Ilesa	• P. F. ADEKUNLE	University of Ilesa
Comparative Study of Cellulose Based Adsorbents: A review	• Chajid Mohamed AMINE • El Bouari ABDESLAM • Tanane OMAR	Hassan II University of Casablanca
Using *Sorghum bicolor* L. (Moench) in the Phytoremediation of Heavy Metal Contaminated Industrial Landscapes of Katsina, Nigeria, for Environmental Sustainability	• Yahaya Yunusa RIKO • Zubairu Umar DARM • Kamaluddeen KABIR	Umaru Musa ‘Yar’adua University
Contemporary Trends of the Energy Economy in Georgia	• Maka JISHKARIANI	Georgian Technical University
Experimental and Computational Study of Annealed Nickel Sulfide Quantum Dots for Catalytic and Antibacterial Activity	• Sawaira MOEEN • Muhammad IKRAM • Ali HAIDER	UIN K.H. Abdurrahman Wahid Pekalongan
The Impact of Lactobacillus in Fruit and Vegetable Coating on Food Safety and Shelf Life	• Narges FATHABADIBOZCHELOEI • Zahra REZAPOUR	Islamic Azad University

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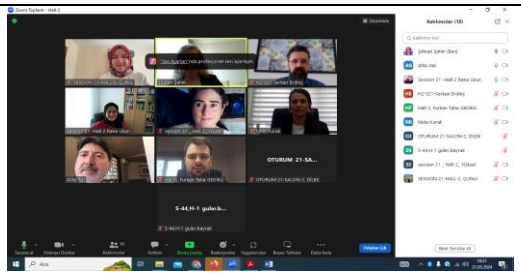


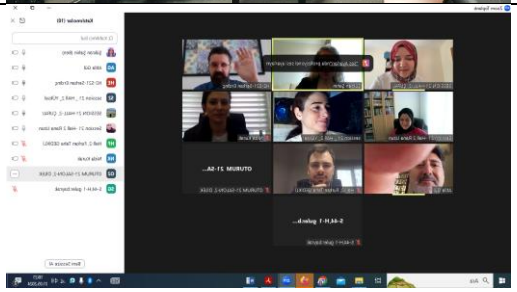


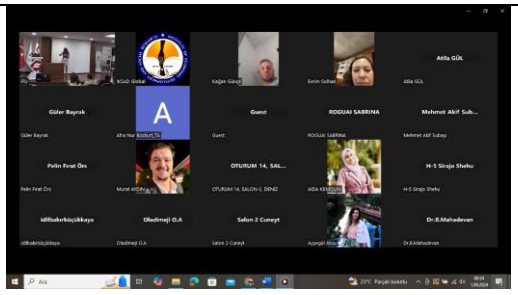

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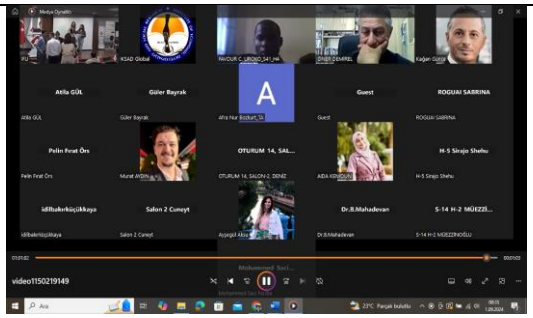


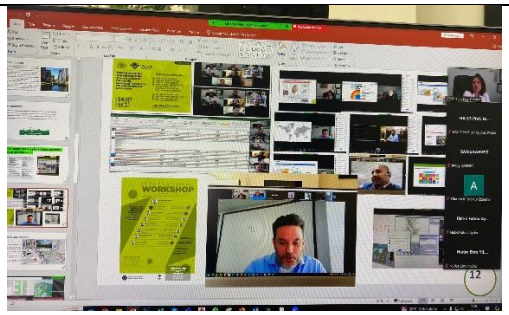


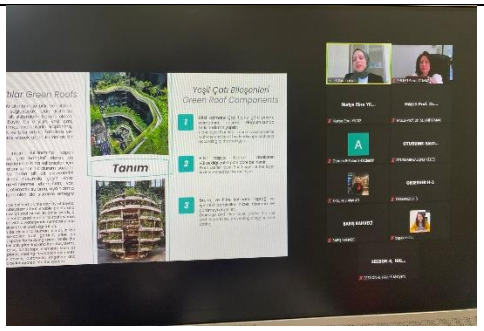


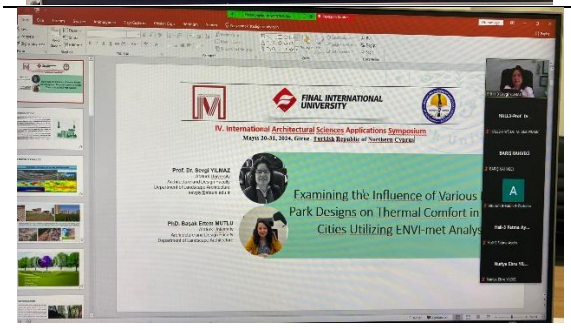


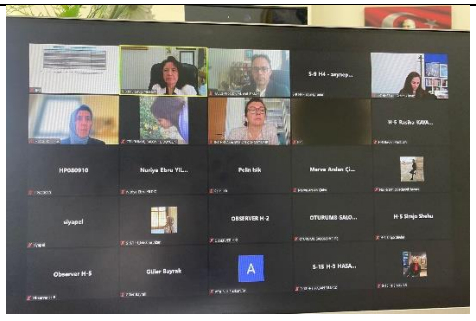







Tanım


FINAL INTERNATIONAL UNIVERSITY
IV. International Architectural Sciences Applications Symposium
Examining the Influence of Various
Park Designs on Thermal Comfort in
Cities Utilizing ENVI-met Analys



IV. International Architectural Sciences and Applications Symposium
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Are Carbon Market Instruments Created by Neoliberalism Policies a Solution for Reducing Carbon Emissions?

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Abstract

It is accepted that the main reason for climate change and its negative consequences as a result of the increase in carbon emissions in the world we live in is the multifaceted production-consumption activities of human beings that are not compatible with nature, today's economy (profit) oriented investment policies, destruction of natural resources and ecosystems, excessive consumption of fossil resources, improper and misuse of land, increasing construction and urbanization, lack of responsibility and ethical approaches, etc. In this context, reducing greenhouse gas (GHG) emissions, especially carbon emissions, and increasing carbon sink areas are accepted as the most critical strategic discourse and actions in solving the global climate change crisis. However, the emergence and solution of this problem stems from today's current economic and political understanding and neoliberalism policies that affect every aspect of our lives. While the global powers that cause the increase in greenhouse gases want developing or underdeveloped countries to pay the bill for the climate change problem, neoliberal policies, and approaches, which plan to profit from this crisis at the same time, claim that they contribute to the fight against climate change with carbon markets created by using commodification, commercialization, and deregulation tools. As a result, neoliberals, who exploit nature as the source of human life, with their greed for profit, shape the studies and agreements carried out in the international arena to form and solve the climate change problem in line with their interests. In this context, the carbon markets included in the Kyoto Protocol, which are based on the commodification of nature and presented as a solution, are an indicator of this approach. The fact that carbon markets are highly vulnerable to capture by influential global market actors, oversimplifying the complexity of climate change, promoting private gains at the expense of public welfare, commodifying carbon, excessively increasing the cost of production, and passing it on to consumers, inadequate supervision and control mechanisms, unequal and unbalanced sharing, ethical dimension, etc. are considered as severe arguments for this purpose. As a result, combating climate change requires a direct struggle against capitalism and neoliberal ideology, especially the transformation of solutions compatible with nature into action.

Keywords: Climate Change, Carbon Emission, Carbon Market, Neoliberalism Policies, Carbon Tax

1. Introduction

In the 21st century, where technological and digital processes are rapidly changing, despite the rapid increase in scientific knowledge, the diversification and increase of production and consumption activities for economic growth (profit-oriented) brings problems and negative consequences with each passing day. Pursuing "maximum profit" in economic production and consumption relations and introducing investments and approaches incompatible with natural systems constitute the basis of all local, national, and global problems (Gül et al., 2023).

Today, the average temperature of the earth is increasing day by day due to the increase in greenhouse gas emissions in the atmosphere caused by human activities such as intensive use of multi-purpose fossil fuels, wrong and unconscious land use, deforestation, increase in production

and consumption activities and industrial processes; natural disasters such as floods, erosions, heat waves, and droughts are experienced in many regions of the world due to temperature increase. These significant disasters and their consequences, which threaten human life and cause loss of life and property, are among the most critical issues in the mitigation of the impact of climate change, which is the source of the problem, and the adaptation process (Gül, 2024). In this context, reducing greenhouse gas (GHG) emissions, especially carbon emissions and increasing carbon sinks, are recognized as the most critical strategic discourses and actions in solving the global climate change crisis. (Gül et al., 2021; Gül & Akten, 2022; Gül et al., 2023).

In the Fourth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC), it was stated that countries, governments, companies, and individuals need to take urgent action and that "energy conservation" is the easiest and most economical way to move forward in the short term (Bates et al., 2008).

However, the emergence and solution of this problem cannot be considered independent from today's dominant economic and political understanding and neoliberalism that affects all areas of our lives. It is seen that the neoliberal vision, which exploits nature, which is the source of human life, with greed for profit, has shaped the studies carried out in the international arena and the international agreements (the United Nations Framework Convention on Climate Change (UNFCCC), the Kyoto Protocol, the Paris Agreement, etc.) in the formation of the climate change problem and the solution of the problem in line with its interests. With Article 6 of the Paris Agreement, countries have decided to build a new global carbon market system that will help decarbonize their countries with the least cost (İklim Değişkenliği Başkanlığı, 2024).

Today, energy and climate policies are shaped by current economic priorities more than anything else. In this context, the carbon markets under the Kyoto Protocol, which are based on the commodification of nature and presented as a solution, are an indicator of this approach. For example, the Voluntary Carbon Market (VCM) has emerged to finance essential carbon reduction and removal projects for companies and to create a carbon stock exchange (Çabuk, 2011; Arı, 2021).

Today, social, political, and economic problems are being solved through public policies dominated by neoliberal ideology. It is generally accepted that emission trading schemes, based on the basic principles of neoliberalism, emerged as a typical response of developed countries to climate change. There are many challenges to the marketing of climate policy. Carbon taxes are alternative policy instruments that are more likely to direct social and economic activities towards reducing carbon pollution. However, a carbon tax does not require a radical social or political transformation of the economy. Instead, countries and governments are turning to existing neoliberal solutions that are center-oriented in regulating and managing solutions to climate change and seek to create a carbon economy.

There are many concerns about the rapid proliferation of carbon market instruments today. The fact that carbon markets are highly susceptible to capture by influential market players, oversimplifying the complexity of climate change, promoting private gains at the expense of public welfare, commoditizing carbon, excessively increasing the cost of production, and passing it on to consumers, insufficient supervision and control mechanisms, unequal and unbalanced sharing, ethical dimension, etc. are considered as severe arguments to this end.

Human beings are at the center of the conflict between "SUSTAINABILITY, ECOLOGY, and ECONOMY" and the balance between meeting the needs of the present while ensuring that future generations can meet their own needs (Gül et al., 2023).

This study aims to analyze the basic principles of neo-liberalism, which is the dominant political understanding of today, and to evaluate the perspective of nature within the scope of the current system. In addition, this study aims to seek answers to whether the carbon market instruments, which are put into practice with the claim that they contribute to the fight against climate change with the policies of NeoLiberalism, are a solution in real terms to discuss and make suggestions.

2. Materials and Methods

In this study, the conceptual framework and principles of NeoLiberalism are examined within the scope of the literature, and the carbon market instruments dictated within the scope of climate change are defined and discussed whether they will be a real solution and whether this can be realized with NeoLiberalism policies and suggestions are made.

In this context, what are the policies of neo-liberalism? What are climate change mitigation and adaptation policies? Moreover, how is there a relationship between neo-liberalism policies and climate change action policies? Can global problems be solved with the policies of neo-liberalism?

3. Findings and Discussion

3.1. NeoLiberalism and Its Characteristics

Neoliberalism is based on capitalism. Neoliberal ideology is considered the widespread and non-alternative ideology of today, in which human beings and society are completely removed from history and social values and carried to their extremes, which is imposed on the world as a duty (İnsel, 2011).

Neoliberalism aims to minimize state intervention in the market and create a market economy by encouraging private enterprise. However, according to this ideology, competition is regarded as an incentive for private initiative and is also considered an essential element of price control (Kılınç, 2012).

Neoliberalism is an economic philosophy or policy model emphasizing the value of free market competition. It advocates minimal government intervention in economic affairs, privatization of public services, and a strong emphasis on the efficiency of the private sector in achieving economic and social goals. Neoliberal policies usually involve deregulation, free trade, and reduced government spending to increase the role of the private sector in the economy. This approach has influenced economic policies in many countries since the late 20th century but has also been criticized for increasing inequality and not adequately addressing social welfare needs (Hans, 2024).

Selling off public services ("privatization"), reducing government expenditure, suppressing wages, and tearing up government rules and regulations are among the items on the roadmap for increasing profit rates, which is the primary goal of neoliberalism (Neale, 2009: 154). Neoliberal economies prioritize increasing the rate of profit and growth at all costs (including the exploitation and misery of the overwhelming majority of the world's population) (Foster, 2002). In this context, the ideology of neoliberalism seeks to achieve commercialization (market-politicization) and subjugate all life, including the individual and nature, to the demands of capital (Cleaver, 2002).

Thus, policies implemented to restructure the public sector within the framework of neoliberal ideology, such as reducing government spending and suppressing wages, lead to labor exploitation on the one hand and destroy social policies on the other (Uçkaç, 2010).

Many people, especially in developing countries, face the aforementioned brutal effects of neoliberal policies and describe neoliberalism as a dizzying whirlpool of greed, hot money, a narrow and limited vision, and monstrous violence that threatens to devour everything and everyone within its reach (Cleaver, 2002).

"One of the fundamental assertions of neoliberal ideology is the superiority of the market over the state and of private property over public and social property." To summarize,";

- In global neoliberal approaches and economies, supply rather than demand is at the forefront in the market" (Neale, 2009). This is based on the assumption that desires are unlimited in liberalism, which is a feature of human nature (Çoban, 2014).
- The dominant understanding of all regulations created in line with neoliberal market requirements is based on the view of forests, lands, pastures, waters, coasts, and biodiversity, in short, all-natural assets as an element of production. This factor will make money and profit. These regulations aim to prepare the ground for the marketization of natural assets and to prepare the legal and institutional infrastructure (Şengül, 2008, p. 77).

For this reason, production in neoliberal economies is much more than needed and continues to increase rapidly. However, to strengthen the demand side of the market, it is ensured that the consumption society, in other words, is created by changing people's consumption habits on a global scale through technology, culture, and education. While natural resource reserves are depleted faster with more production, due to rapid industrialization, the natural environment for capital has become an area where chemical wastes are stored" (Kılınç, 2012). On the other hand, "various measures are taken to increase the purchasing power in the market, loans are distributed, and people are put in debt" (Neale, 2009). "The provision of cheap credit to all those struggling with poverty and unemployment, but especially to the most desperate underclass groups, and the influx of cheap imported consumer goods soften the impact of these attacks on labor and living standards." However, people are encouraged to consume and are driven into debt, which brings many economic, social, and cultural problems (Schmidt, 2008).

After the Global Pandemic process, it is seen that the logic of "modern exploitation" has become widespread within the scope of global neoliberal policies, especially in developing or undeveloped countries, intensive use and damage of underground and aboveground natural resources, foreign debt and interest payments have reached the ceiling, social rights and services have deteriorated, the environment has been destroyed to a great extent, the cost of living, inflation, the search for rights and justice has increased, unemployment, the spread of the rent system, the weakening of democratic institutions, and as a result of all these, despair has become widespread day by day (Danaher & Burbach, 2004). It forces people worldwide, especially in these countries, to live in more brutal and harsh conditions.

Thus, global neoliberal approaches aim to create an opportunity, especially for global actors, by transforming the cyclical and holistic relationship between production/consumption, supply/demand, and finance into a profit and monopolizing economic system.

Basic Principles and Concepts on which Neoliberalism is Based/Proposed (Tuğan Şahin, 2016; Hans, 2024);

1. Privatization: the clear legal establishment of private property rights to unclaimed public or publicly owned assets in the social, cultural, and natural spheres.

2. Commercialization: the commodification and transformation of transferable and exchangeable objects not previously subject to a market logic into marketable objects to be offered to national or international markets with a monetary equivalent.

3. Withdrawal of the State from the Market and Deregulation: Providing "freedom of choice" to companies and consumers in social, cultural, and environmental areas. It is the creation of new quasi-state or state-sponsored "non-political" actors to perform functions that the state can perform but are not performed in theory or practice; it is the provision of some state services by contracting with the private or third sector through auction tenders or partnership agreements.

4. Pro-market re-regulation: Restructuring the state by expanding the boundaries of privatization and commercialization. In various ways, this involves strengthening the state's 'market manager' position and weakening the 'supplier' aspect for all citizens or 'special interests' in society—state intervention in the market economy and not in the internal functioning of the market itself. Intervening in the market economy entails focusing on fiscal discipline, the supply of investments, entrepreneur- and consumer-friendly tax policies, firm-friendly labor market policies, and measures to enable the 'free' movement of capital by preventing restrictions on the movement of commodities.

5. Transformation of the Public Sector into a Market Agent: The marketization of state-run services through internal markets, cost recovery, and deficit reduction. In other words, it is the attitude of embedding 'commercialization' practices in state services. This practice is also expressed as the incorporation of 'commercialization' practices and value systems into state services.

6. Supporting "Pro-Social Mechanisms" in Civil Society: State-led measures to (a) ensure the development of the social economy and support the growth of (preferably well-funded and professionalized groups, (b) volunteers, charities, non-profits, and all social groups. In this context, these supported mechanisms aim to fill the gap where there is insufficient direct state support for social and environmental impact areas.

7. Creating Free, Self-Sufficient, Self-Governing, Entrepreneurial Individuals and Societies: Creating an individualistic moral system to build a society of people with less (and ultimately limited) reliance on public services and state institutions that provide vital needs. The development of this moral system is possible through the organs of the states themselves. This indicates identifying the responsibilities of all producers, customers, citizens, families, communities, and organizations, as well as empowering the governance units on the ground (Castree, 2010).

Today, due to neoliberal policy discourse and action practices, land and water resources have been commercialized and turned into rent commodities. For example, the process of water commercialization has emerged due to the drought scenario and the policy on water scarcity. On the other hand, it is a known fact that production in the capitalist system is not based on the needs

of society and is always excessive. The best example of the negative impact of capitalist production on the water is the "war industry and sector." This war industry, which is certainly not a social need but where very intensive production is carried out due to the expansionism of capital and the greed for profit, is also an industry that consumes excessive clean water. However, capital, which claims that regulations on water are necessary on the grounds of water scarcity, does not even discuss the share of responsibility of the capitalist mode of production in the reduction and pollution of water resources (Akçay, 2011).

On the other hand, governments, as required by the functioning of the neoliberal system, disregard the capitalist sector's use and pollution of water resources and basins, which are the property of all people, for its benefit and even help it by making the conditions suitable. The increasing pollution of water resources is one of the best indicators of this. While technological methods can prevent water pollution, the fact that capital does not take any measures in this direction is due to the high costs of these methods and the reduction of profit rates (Akçay, 2011).

To create favorable conditions (favorable economic, social, and political environment) for itself, the global actors who hold the power of neoliberalism, i.e., capitalism, eliminate all rigid traditions, attitudes, and understandings that stand in the way of it "create a free field of action for itself, increase the rate of capital profit and reach the consumer, each time applying a new model, method (new production and consumption relations, shaping the social and political structure, green economy, etc.), and consistently achieving its goal by creating alternatives in case the model is blocked.

Necessary sanctions are imposed on issues such as nature/environmental protection, occupational safety, social assistance, social security, public health, and social organizations, which neoliberalism, i.e. the global forces that govern capitalism, sees as obstacles and limit their mobility, or they try to look cute on paper with so-called regulations. They do this through funded international organizations/organizations, governments, institutions, politicians, decision-makers, bureaucrats, associations, media, etc. (Duru, 2006, p. 50).

Basic Approaches of Neoliberalism Policies;

- -Neoliberalism aims at minimal state intervention in the economic market and privatization of public services,
- -It strongly emphasizes the efficiency of the private sector in achieving economic and social objectives and encourages private initiative.
- -The main objective is to increase the rate of profit and achieve linear growth, whatever the cost (including the exploitation and misery of the overwhelming majority of the world's population).
- -It commercializes natural resources and subordinates all life to capital demands.
- -Supply is at the forefront rather than demand.
- -The government reduces expenditure.
- -Transforms the public sector into a market agent.
- -Rental benefit is at the forefront instead of public benefit.

- -It envisages wage suppression.
- -It tends towards deregulation. All constitutional, legal, and institutional arrangements can be disregarded.
- -Partisan Mechanisms are supported.
- -Private entrepreneurship individualizes, enslaves, and corrupts the individual and society under the pretext of freedom and luxury living.
- -Without sacrificing labor, unfair earnings and income injustice are widespread.

3.2. Climate Change and Carbon Market Instruments

When the historical process of climate change is analyzed, the number of scientific studies on climate change has increased since the 1970s. The first World Climate Conference was held in 1979. In 1980, the problem of climate change started to be addressed and questioned from different angles. It was a turning point in shaping policies and political perception and interest. Thus, the foundations of the institutionalization period were laid. The "IPCC", which was established in 1988 in cooperation with the United Nations Environment Programme (UNEP) and the World Meteorological Organization (WMO), guided the process with its Assessment Reports and provided a scientific basis for the negotiations. In 1990, conventions and protocols on climate change (Vienna Convention and Montreal Protocol) were prepared. During the Rio Earth Summit 1992, discussions on sustainable development developed on a trajectory that soon led to an alliance with capitalism, and "sustainable development" was shaped accordingly (Cleaver, 2002).

In the sustainable development approach, the need to protect natural resources and not exceed the renewal rate of nature is emphasized, and the necessity of sustainable development is emphasized due to the limited or scarce natural resources. However, for capital, under free market conditions, the scarce resource is a resource with a higher economic value. In this case, scarce resources create the opportunity to produce alternative products that provide high profits for capital. Therefore, every ecological crisis creates new production areas for capital. Aiming to produce more for more profit, capital has sought to fuel consumption in parallel (Kılınç, 2012).

Governments have signed international conventions with the idea that climate change is predominantly human-induced and that global adversities will occur if measures are not taken (Gül & Akten, 2022; Gül, 2024).

The fight against climate change should not only be perceived as an environmental problem. At the same time, the global transition to a low-carbon economy is envisaged to make a radical change in people's lives by shaping energy policies, health policies, agricultural policies, food security, and Sustainable Economic Development goals (Gül & Akten, 2022; Gül, 2024).

Monitoring the costs incurred as a result of carbon reduction efforts, the possible financial consequences of increased environmental sanctions and penalties on the business, recording the purchase and sale transactions related to credits and certificates obtained as a result of emission reductions, recording environmental carbon taxation have brought the need for environmental pricing and carbon pricing as a sub-unit (Gül & Akten, 2022; Gül, 2024).

Carbon pricing aims to pass on these costs caused by greenhouse gas emissions to those who cause them by linking them to a price above the amount of CO2 emitted (World Bank, 2020). The system

sets a price for the negative externalities or social harms caused by carbon dioxide emissions. The costs of these negative externalities are thought of as "extra costs that the public must bear."

Entered into force in 1994, the United Nations Framework Convention on Climate Change has drawn a "framework," as its name suggests, when its content and provisions are considered. The United Nations Framework Convention on Climate Change accepted as the cornerstone of climate policy in the international arena and a declaration of goodwill, has gathered "countries with different interests" under its umbrella as intended. However, it has been sterile in reducing greenhouse gas emissions and has served neoliberal policies with its ineffective articles (Tuğan Şahin, 2016).

In this context, environmental policy and the structure and functioning of environmental management in Türkiye were formed in line with the economically oriented understanding of "sustainable development," thus laying the foundation for today's "marketization (commercialization)" processes. "Environmental management is one of the first areas that emerged in neoliberalism and was structured in line with neoliberal market requirements" (Şengül, 2008). Carbon market instruments are defined as mandatory and voluntary, project-based and market-based. The most common market-based carbon market instruments are "Carbon tax" and "Emissions Trading System tax" under the name of carbon pricing (Gül & Akten, 2022; Gül, 2024).

It is argued that carbon market instruments harm economic growth but reduce carbon emissions. However, their environmental, social, and economic aspects are still a matter of debate and concern. Carbon, which will soon become an essential element in domestic and foreign trade with carbon market instruments, will bring a "NEW ECONOMIC ORDER and COMPETITIVE ENVIRONMENT" with the targets set by countries (Gül, 2024).

The emission trading system (ETS) and carbon tax as market-based instrument mechanisms for carbon pricing have been implemented in many countries in a complementary manner (Ekins & Barker, 2001). While these market instruments aim to reduce greenhouse gas emissions, they also aim to generate government revenue to support public spending on climate-related actions or other areas.

3.2.1. Carbon Tax:

Carbon tax is based on greenhouse gas emissions or, more commonly, on fossil fuel's carbon and equivalent carbon content. Unlike ETS, carbon tax is a system where the government sets the carbon price and the amount of emissions in the market (World Bank, 2020a). A carbon tax is considered a regulatory tax for internalizing everyone's adverse external effects on the environment. However, although carbon tax implementation is left to the authority and responsibility of governments on a national scale, it concerns all countries with the negative externality in question. For this reason, the prevailing view is that it will not be sufficient to solve the problem with only one country taking and implementing measures and that it should be addressed as a global problem (Sapmaz, 2023).

Advantages of a Carbon Tax:

It is a market-based tax. Price certainty can be achieved with the executive power of the state. Audit and control are possible. It can equalize marginal abatement costs across different emission sources and encourage innovation. It can overcome market failure, Polluters can pay external

costs, It can be easily measured and monitored for emissions, It can limit costs, It can raise revenue and generate resources, and It is simple and easy to implement; the cost is inevitable because the amount of the tax is known in advance, It has signaling/price predictability, etc. (Arı, 2021; Gül, 2024)

Disadvantages of Carbon Tax:

It may be adversely affected by political and economic uncertainty in the country, It may increase the price of goods or services excessively, The benefit it will provide is uncertain, Tax exemptions may turn into an unfair tax system, and It may reveal the risk of regulatory/market competitiveness. When determining the price of a ton of carbon emissions, how much this price will reduce emissions is still being determined. The revenues from the tax can be used to finance other public expenditures rather than solving environmental problems. It does not guarantee negative environmental consequences because in the carbon tax, unlike the emission trading system, a clear upper limit of emissions for a certain period is uncertain (Arı, 2021; Gül, 2024; Seragazi net., 2021).

3.2.2. Emissions Trading System (ETS)

The ETS limits the emissions to be emitted into the atmosphere and binds the emissions to be made by the companies to permits, and the total amount of emissions to be realized is determined. It aims to give carbon allowances to organizations subject to the ETS within these limits. Each carbon allowance means a permit for 1 ton of CO_2 emissions. Over the years, it is envisaged that annual emission limits will be gradually increased to encourage companies to switch to low-emission technologies. Companies covered by the ETS are obliged to use their allowances to cover the total greenhouse gas emissions they emit, and these allowances can be allocated free of charge or through an auction process. Allowances will also be traded between other third parties to determine the carbon market price. In other words, a "Carbon Exchange" will be created. The system's functioning is based on generating tradable carbon allowances and trading them on a trading platform created for this purpose, thereby incentivizing polluters to reduce their emissions. A market price for greenhouse gas emissions is set by creating supply and demand for ETS allowances. ETS can cover all greenhouse gases or only some of them, such as CO2 (OECD, 2020; Ubay & Bilgici, 2021; European Commission, 2023b).

ETS types;

1. Maximum Emissions Cap and Trade (cap-and-trade system-CTS):
2. Baseline and credit scheme (BCS):

The advantages and disadvantages of ETS are foreseen as follows (Gül, 2024).

Advantages of ETS;

- Firms that produce and profit from these activities can be taxed to prevent them from imposing the cost of environmental and health problems caused by these emissions on societies (Negative Externality).

- Strong supervision and control mechanisms in the country can significantly reduce the emission rate.

- Encourage companies to switch to low-emission technologies.

- It can provide free carbon allowances and funding support so as not to lose competitiveness in the company's favor.

Disadvantages of ETS;

• It can lead to severe price fluctuations in the market. The prices of all products can increase excessively.

• Businesses can make unexpected profits by selling the allowances they receive abundantly and free of charge on carbon markets and passing on the cost to consumers for the allowances for which they do not pay any fee.

• Carbon offsetting requires neutralizing a ton of CO_2 emitted in one place by preventing or sequestering a ton of CO_2 elsewhere. This means companies can compensate for some or all of the emissions they cannot reduce by purchasing carbon credits. However, purchasing carbon credits, which means co-financing someone else's carbon reduction or carbon reduction project, can shift the liability to a third party.

• Carbon credits sold at a low price will not contribute to companies' avoidance and reduction efforts in any natural way.

• In implementing ETS can become a commercial commodity, mostly leaving biodiversity and social participation out of the equation.

There is a high probability of emission fraud.

Türkiye has become one of the most active drivers of voluntary carbon markets with its greenhouse gas reduction projects since 2005. Türkiye is one of the five countries in the world that has implemented the most voluntary carbon projects. These countries and the number of voluntary carbon projects they have implemented are listed as India (442), China (426), USA (351), Türkiye (124) and Brazil (97).

Türkiye is subject to the voluntary carbon market standards Gold Standard and Verified Carbon Standard (VCS). According to the data in the report titled Voluntary Carbon Markets in Türkiye, published in 2017, 75% of voluntary carbon projects carried out in Türkiye are Gold Standard projects, while 25% are VCS projects. Again, the same report stated that when voluntary carbon projects carried out in Türkiye are compared regarding emission reduction, 72% are made by Gold Standard projects and 28% by VCS projects.

Most voluntary carbon projects carried out in Türkiye consist of renewable energy projects. The recipients of carbon credits created in the voluntary carbon market, which is dominated by wind power plant projects, solar power plant projects, and hydroelectric power plant projects, are generally international organizations such as Google and the European Bank for Reconstruction and Development (EBRD) from outside Türkiye, as well as organizations from within Türkiye such as the Turkish Industrial Development Bank (TSKB), Garanti Bank and TAV Airports.

3.3. Relationships Between Neoliberalism Policies and Climate Change Carbon Market Instruments Applications

There is a subtle and complex interaction between neoliberalism and climate change. "Neoliberalism," which came to prominence in the second half of the 20th century and significantly influenced international economic policies, is a political and economic philosophy

strongly emphasizing deregulation, free trade, privatization, and minimal state intervention in the market. In this context, disagreements and frequent debates exist about the relationship between neoliberalism and climate change approaches (Hans, 2024).

Global powers or authorities discussing climate change, minimizing its negative consequences, and creating a greener future ignore that they were greener before their mass industrialization and neoliberal policies. Research shows that global temperatures began to rise alarmingly in the 1980s when neoliberalism emerged as the dominant economic force in Western culture. Since then, neoliberal approaches have commodified the planet's resources, allowing businesses to produce at rates that greatly exceed the planet's carrying capacity (Hans, 2024).

When the commodification of nature is considered in combating global warming and climate change, in the 1990s, when global capital first warned about global warming, it ultimately rejected and ignored the problems and warnings. Today, it is seen that it cares about the problems and tries to produce solutions by making them a priority. This contradictory attitude is not because the protection of the environment is seen as a social responsibility work only, but that this is only for show. The real reason is that nature has become a money-making commodity (Ülman, 2008). In short, capital continues its efforts to combat climate change to make a profit and retain economic power rather than worry about the future.

In this context, global capital continues to commodify the climate change crisis through "new solution" proposals, and it is thought that the understanding of transforming greenhouse gas emissions into a "commodity" that can be bought and sold with carbon markets to increase profits over environmental values is dominant.

With the approach that neoliberal policies put forward with the logic of "protection of nature," the ground is prepared for the exploitation of natural resources, especially in developing countries, and for them to be put at the service of capital and for those with money to harm nature thanks to the "polluter pays" approach. Thus, it is seen that capital has no sensitivity other than the concern to increase its profits and aims to mask what it does with this apparent sensitivity. "This is also an indication that the measures taken by the global economy based on environmental concerns are again a product of policies developed within the system" (Duru, 2006).

Natural resources that are ready to be exploited with neoliberal policies are being transferred to the private sector thus, "the vitally important areas that were previously public and subject to public laws and regulations are being organized according to the market logic of the private sector and are being handed over to the profit maximization instinct." Since air has a different structure than other natural resources, the "right to pollute" of air, which cannot be turned into a commodity with the solution put forward by neoliberals to combat the climate change problem, has been offered to the market. Thus, developed countries and multinational corporations continue to pollute, pay very little in carbon markets in proportion to the damage they cause, portray an environmentalist image with the deceptive carbon markets, and even make more profit in this way. In the carbon markets offered as a solution by neoliberals, "air no longer belongs to everyone, and the right to pollute it has been transformed into a commodity that can be bought and sold" (bianet.org., 2007).

However, instead of cutting and penalizing the multifaceted activities or uses of global actors that cause greenhouse gas emissions, unfortunately, effective emission reduction policies are aimed at

creating action policies only through companies, consumers, and the public sector (McKinsey & Company, 2009, p. 10). Proposals for Emission Trading Schemes (ETS) and the emergence of ETS in some developed countries show that many governments are making decisions about their actions (Commonwealth of Australia, 2009).

According to Sydee & Beder (2006), "neoconservative think tanks that support this neoliberal formula seek to apply it to all areas of society, including environmental issues. Together with big business, they seek to neutralize or obscure critical debate and discussion while promoting the language of markets, property rights, and individualism" (Sydee & Beder, 2006).

The ETS system and carbon markets, which are the product of the reflection of neoliberal policies on climate change politics, are based on the logic of commodification and commercialization of CO2, that is, in a sense, the exploitation and neoliberalisation of nature, and are accepted as a "free market" trick (Neale, 2009).

The neoliberals' justifications for resorting to market-based solutions (Neale, 2009; Akbay Yarpuzlu, 2014; Çabuk, 2011; Tuğan Şahin, 2016);

1. The assumption that public regulations cannot solve the problem. To put it more clearly, according to neoliberals, the state is insufficient to protect natural resources; to protect natural resources, they should be privatized, put a price on them, commodified, and put on the market because resources without monetary value are worthless and open to exploitation. The right to commercialized natural resources is restricted and, in a sense, protected.

2. Developed countries, global actors, and multinational companies representing them aim to increase the rate of profit without spending resources to the extent that it hurts.

Neoliberalism is primarily characterized by a belief in unrestricted free markets and small governments to oversee them. The state must establish the market apparatus or infrastructure. The state's role is to create and maintain an institutional framework characterized by substantial private property rights, free markets, and free trade" (Harvey, 2005).

"Developed countries (G7 and G11)" and "Multinational Corporations and Finance Funds", known as the biggest culprits of the climate change problem, continue to exploit the resources of developing or underdeveloped countries while exonerating themselves with the so-called solution under the name of carbon markets. The regulations imposed by international organizations serving neoliberalism, such as the World Bank, IMF, etc., make developing countries dependent on themselves, exploit their natural resources and cheap labor force, and direct country policies in line with their interests. With the so-called solutions to combat climate change, they aim to prevent the development of other countries. In this context, in climate change negotiations, developed countries argue that 91 developing countries should also take responsibility for greenhouse gas reduction. Thus, they plan to export their heavy industrial facilities, which cause significant greenhouse gas emissions, by investing in developing countries to reduce their emissions and increase their profit rate. As a result, it is widely accepted that they are trying to put the responsibility and pollution on the shoulders of these countries (Cleaver, 2002; Çabuk, 2011; Tuğan Şahin, 2016).

The World Bank, one of the intermediary organizations of neoliberalism, provides financing resources and prescribes the works it wants to be carried out. Therefore, if these resources are to be used, policies are formulated to fulfill the wishes of the World Bank. This situation with the

World Bank is also valid for the European Union. The intermediary organizations of neoliberalism, which establish the order they want in developing countries like Türkiye, sometimes by borrowing and sometimes by giving grants, intervene in climate change policies as they intervene in many areas and, in a sense, try to shape these policies (CTF Committee, 2009: 3).

The Relationship Between Neoliberal Policies and Climate Change can be summarized;

-Emission trading schemes based on the fundamental principles of neoliberalism have emerged as a widespread response of developed countries to climate change.

-Neoliberal policies transform carbon into a "commodity", that can be bought and sold to increase profits over environmental values.

-Neoliberal approaches to climate change are implemented with central authority.

-The complexity of climate change is oversimplified and reduced to an ETS and carbon tax.

-Private profits will be incentivized at the expense of public welfare.

-Carbon pricing will increase the cost of production excessively, and the entire burden will be passed on to the consumer.

-Supervision and control mechanisms are very likely to be inadequate and disrupted.

-Carbon pricing will lead to unequal and unbalanced sharing, among others.

4. Conclusion and Recommendations

It is accepted that the main reason for climate change and its negative consequences as a result of the increase in carbon emissions in the world we live in is the multifaceted production-consumption activities of human beings that are not compatible with nature, today's economy (profit) oriented investment policies, destruction of natural resources and ecosystems, excessive consumption of fossil resources, wrong and misuse of land, increasing construction and urbanization, lack of responsibility and ethical approaches, etc.

While the global powers that cause the increase in greenhouse gases to want developing or underdeveloped countries to pay the bill for the climate change problem, neoliberal approaches, which plan to profit from this crisis at the same time, claim that they contribute to the fight against climate change through carbon markets created by using the tools of "Commodification", "Commercialization" and "Deregulation."

Global neoliberal approaches or the capitalist system look at the natural system as capital and price natural assets, modifying them and making them exchangeable for money. In our world, it is seen that the air we breathe has also become a commodity in addition to the land and water resources that are commercialized and turned into rent commodities. Another worrying consequence is that natural resources and every sector, such as health, food, education, transport, etc, are being commodified, and multifaceted global concerns and challenges are becoming more complex.

Under the pretext of climate change and global warming, the carbon market was established to combat climate change and reduce carbon emissions. Combating climate change directly requires combating capitalism -neoliberal ideology" (Talu, 2015, p.160).

As a result, within the scope of global neoliberal policies, developing and underdeveloped countries where labor and labor are cheap, raw materials are easy to access, interest rates are high, there are no laws to defend themselves in terms of environmental and occupational safety, democratic institutions are weak, and the rent-seeking system is widespread are accepted as the most preferred, safest and profitable ports for global capital and actors. Considering that development is prioritized within the scope of neoliberal policies today and that every means is permissible to obtain high profits, it should be known that neoliberals who exploit nature (even if the problem is vital) will not be a partner in the solution if there is public interest and no profit involved. However, to what extent is it contrary to logic to allocate resources to combat climate change, and is the possibility of not making a profit evident?

Some suggestions in this context;

- All laws, actions, duties and responsibilities, public benefits and rights, monitoring, and supervision, etc., related issues and investments to be made in our country regarding climate change and its struggle should be taken not by a single authority but by the joint decision of the relevant stakeholders. In this context, the main objective should be to ensure ecological sustainability and public benefit of the natural and cultural environment, not economic development or growth.
- - In this context, within the scope of green transformation, state policies for industry, construction, trade, energy, agriculture, transport, education, health, and waste should be redefined with ecologically oriented approaches and with ECOLOGIC STATE POLICIES by considering the public interest.
- - Whether carbon trade is a suitable mechanism for combating the climate crisis should be discussed in detail.
- Natural ecosystems, green areas, and other carbon sinks should be protected, and their capacity should be improved.
- Natural resources are habitats not only for humans but also for all living things. Considering that it is the right of all living things, in spatial planning/design and management processes, uses and solutions compatible with the protection of ecosystems and nature conservation (ecological) should be envisaged.
- An economic model that uses less natural resources reduces waste generation and ensures the use of products in the optimum time. This should be adopted with "Circular economy" policies rather than a "Linear economy."
- The local green and circular economy should be encouraged, and co-operatives should be prioritized.
- Environmental Impact Assessment should be carried out for all economic activities, and more effective mechanisms that can be implemented and audited should be developed.
- Performance indicators of environmental activities of economic enterprises should be determined, and "Reporting, Monitoring and Evaluation" should become mandatory.
- Standards for environmental regulations should be established and implemented.
- Citizens should be informed, and their awareness should be raised.

- Necessary measures should be taken before the climate law becomes a rent-seeking system.
- Green technologies should be used and incentivized. Green R&D, financial support, and incentive mechanisms should be established.

In conclusion, *understanding and making sense of the natural system and order is a fundamental approach to understanding the economy or market economy. Otherwise, the continuous exploitation and destruction of nature by human beings to gain power and profit will always lead to "injustice," "unhappiness," "inequality," "exploitation order," and "global chaos*.

Thanks, and Information Note

The article complies with national and international research and publication ethics.

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