ICSULA 2024

III. INTERNATIONAL CONFERENCE ON SUSTAINABLE CITIES AND URBAN LANDSCAPES

DECEMBER 13-14, 2024 / KYRENIA, TRNC



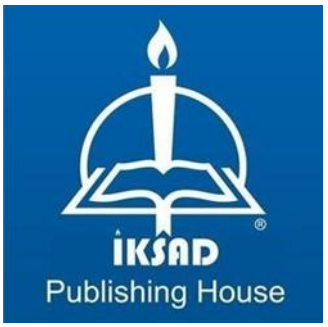
CONFERENCE PROCEEDINGS BOOK

EDITORS

Prof. Dr. Banu ÖZTÜRK

Prof. Dr. M. Selen ABBASOĞLU ERMİYAGİL

3rd INTERNATIONAL CONFERENCE ON SUSTAINABLE CITIES AND URBAN LANDSCAPES



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TÜRKİYE TR: +90 342 606 06 75 USA: +1 631 685 0 853

E mail: iksadyayinevi@gmail.com

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3rd INTERNATIONAL CONFERENCE ON SUSTAINABLE CITIES AND URBAN LANDSCAPES

December 13-14, 2024 / Kyrenia, TRNC

PROCEEDINGS BOOK
(Abstracts & Full Texts)

EDITORS
Prof. Dr. Banu ÖZTÜRK
Prof. Dr. Selen ABBASOĞLU ERMİYAGİL

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3rd INTERNATIONAL CONFERENCE ON SUSTAINABLE CITIES AND URBAN LANDSCAPES

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.

PARTICIPANTS COUNTRIES

Türkiye, Albania, Algeria, Azerbaijan, Bangladesh, Bulgaria, Ethiopia, Georgia, India, Indonesia, Iran, Kazakhstan, Malaysia, Morocco, Nigeria, Pakistan, Philippines, Saudi Arabia, Slovenia, Sri Lanka, Uganda, Ukraine

TOTAL ACCEPTED ARTICLES: 306

The Number of Accepted Papers from Türkiye: 70
The Number of Accepted Full Papers from Other Countries: 81
The Number of Total Papers: 151

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3rd INTERNATIONAL CONFERENCE ON SUSTAINABLE CITIES AND URBAN LANDSCAPES

December 13-14, 2024 / Kyrenia, TRNC

SYMPOSIUM SCHEDULE

SELÇUK ÜNİVERSİTESİ
MİMARLIK VE TASARIM FAKÜLTESİ

ICSULA 2024

3rd INTERNATIONAL CONFERENCE ON SUSTAINABLE CITIES AND URBAN LANDSCAPES

December 13-14, 2024 / Kyrenia, TRNC

Congress Program

Face-to-face and Online

IMPORTANT, PLEASE READ CAREFULLY

- ✓ To be able to attend a meeting online, login via **https://zoom.us/join** site, enter ID "Meeting ID or Personal Link Name" and solidify the session.
- ✓ 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.
- ✓ The participant must be connected to the session 5 minutes before the presentation time.
- ✓ All congress participants can connect live and listen to all sessions.
- ✓ Moderator is responsible for the presentation and scientific discussion (question-answer) section of the session.

Points to Take into Consideration - TECHNICAL INFORMATION

- ✓ Make sure your computer has a microphone and is working.
- ✓ You should be able to use screen sharing feature in Zoom.
- ✓ Attendance certificates will be sent to you as pdf at the end of the congress.
- ✓ Requests such as change of place and time will not be taken into consideration in the congress program.

OPENING SPEECHES

Date: 14.12.2024
Ankara Time: 10:00-10:30
ZOOM ID: 884 2447 8604 / PASSCODE: 030303

Prof. Dr. Banu ÖZTÜRK – *Chair*, Selcuk University Architecture and Design Faculty, Landcape Architecture Department
Prof. Dr. Ruşen KELEŞ – Cappadocia University Architecture, Design and Fine Arts Faculty, City and Regional Planning Department

PANEL SESSION

Date: 14.12.2024
Ankara Time: 10:30-11:50
ZOOM ID: 884 2447 8604 / PASSCODE: 030303
Moderator: Prof. Dr. Banu ÖZTÜRK

Panelists:
Prof. Dr. Şengül ÖYMEN GÜR - Randomness: An Important Criterion in Addressing Urban Open Spaces- *Rastlantısallık: Kentsel Açık Alanların Ele Alınmasında Önemli Bir Ölçüt*

Prof. Dr. Öner DEMİREL - Identity, Planning and Design in Cities Under the Urbanization Council (2017) - *Şehircilik Şurası (2017) Kapsamında Kentlerde Kimlik, Planlama ve Tasarım*

Prof. Dr. Atila Gül - Significance of Urban Biodiversity and Management Policies - *Kentsel Biyoçeşitliliğin Önemi ve Yönetim Politikaları*

Prof. Dr. S. Gül GÜNEŞ - Community-based Tourism In The Context Of Social Sustainability - *Sosyal Sürdürülebilirlik Bağlamında Toplum Temelli Turizm*

FACE TO FACE SESSION / 14.12.2024

HALL-1 / SESSION-1 — The Olive Tree

Time: 10:45-12:15

HEAD OF SESSION: Attila AYDEMİR

Authors	Affiliation	Presentation title
Irem Tek Dilek Eren Akyuz Fusun Balik Sanli	*Yıldız Technical University*	Determination Of Nighttime Lights Change: The Case f North Cyprus
Aybike Ayfer Karadağ Demet Demiroğlu	*Düzce University*	The Effect of Urban Open Green Areas On Carbon Footprint
Demet Demiroğlu Aybike Ayfer Karadağ	*Kilis 7 Aralık University*	Disaster-Resilient Cities And Open Green Spaces
Attila Aydemir	*ODTÜ-NCC, Atılım University*	Fault Systems Around Diyadin Area And Their Contribution Into The Geothermal Energy Potential
Erdal Yeşil	*Bioart*	Bıologıcal Ponds
S. Gül Güneş Ayşe Selin Dülger	*Cappadocia University*	Sustainable Tourısm Requıres Taking Responsibility: The Case Of 2023 Kahramanmaraş And Hatay Earthquakes

(All speakers required to be connected to the session 10 min before the session starts)

Moderator is responsible for ensuring the smooth running of the presentation, managing the group discussion and dynamics.

FACE TO FACE SESSION / 14.12.2024

HALL-2 / SESSION-1 — The Olive Tree

Time: 13:45-15:15

HEAD OF SESSION: M. Selen Abbasoğlu Ermiyagil

Authors	Affiliation	Presentation title
Fatma Bildir M. Selen Abbasoğlu Ermiyagil	*European University of Lefke*	Evaluation In The Context Of Resilience In Urban Areas Lefke Case Study
Fuat Erden	*Sivas University of Science and Technology*	Towards Green Buildings For Sustainable Cities Through The Integration Of Thermoelectric Materials
Hikmet Yazıcı Zekai Kamitoğlu Utku Duran	*Zonguldak Bülent Ecevit University*	Life Cycle Analysis (Lca) for the Polypragmatic Plant Laurel: Conservation of the Plant in Terms of Biodiversity and Sustainable Production Methods
Mete Ünal Girgen	*Uluslararası Final University*	Accessible Tourism in Northern Cyprus: Challenges and Opportunities
Mustafa Kartal Nihat Doğanalp	*Selcuk Üniversitesi*	Economic Effects of Earthquakes: Kahramanmaraş Province Example
Soner Özyalçin Mete Ünal Girgen Nafiya Güden	*Uluslararası Final University*	The Role Of Local Products In Gastronomy Tourism And Sustainability In Northern Cyprus
Ayşe Sungurlu	Alanya University	The Effect Of The Pandemıc Process On Urban Furnıture

(All speakers required to be connected to the session 10 min before the session starts)

Moderator is responsible for ensuring the smooth running of the presentation, managing the group discussion and dynamics.

ONLINE SESSION / 13.12.2024

HALL-1 / SESSION-1 | **ZOOM ID: 884 2447 8604 / PASSCODE: 030303**

Ankara Local Time: 10:00-12:00

HEAD OF SESSION: Ahmet KARAHAN

Authors	Affiliation	Presentation title
Pınar Öğütcan Yalcin Yildirim	Bursa Technical University	Comparing Turkey's National Green Certificate System (Yes-Tr) With Other Green Certificate Systems
Başak Yurtseven Umut Güler	Ankara University	The Role Of Urban Landscape In Creating Resilient Cities: An Evaluation In The Context Of Urban Heat Island Effect
Figen Altiner Türkan Göksal Özbalta	Balıkesir University	Research On Sponge Cıty Model In Urban Areas: The Case Of Balıkesir Publıc Transport Centre
Ahmet Karahan Figen Balo	Malatya Turgut Ozal University	Investıgatıon Of The Effectıveness Of Optımum Chımney Desıgn On The Energy Performance Of A Coast House In Samsun Provınce
Ahmet Karahan Figen Balo	Malatya Turgut Ozal University	Evaluatıon Of The Effect Of Insulation Thickness On The Amount Of Emıssıons From Coal Boilers By Simulation
Bilgenur Ak Meryem Bihter Bingül Bulut	*Kırıkkale University*	The Use Of Natıve Plant Specıes In Landscape Desıgn In Türkiye: Ecologıcal And Aesthetıc Contrıbutıons
Mustafa Bulat Gülümser Beyaztaş Özlütürk	Atatürk University	Use Of Ready-Made Objects In Modern Sculpture
Serap Bulat Burcu Toğrul Melahat Teleri	Atatürk University	Evaluation of Ishak Pasha Palace Crown Doors In Terms of Plastic Arts

(All speakers required to be connected to the session 10 min before the session starts)
Moderator is responsible for ensuring the smooth running of the presentation, managing the group discussion and dynamics.

ONLINE SESSION / 13.12.2024

HALL-2 / SESSION-1 | **ZOOM ID: 884 2447 8604 / PASSCODE: 030303**

Ankara Local Time: 10:00-12:00

HEAD OF SESSION: Melis BEŞOĞUL AYDIN

Authors	Affiliation	Presentation title
Vuslat Salali Saban Inam	*Isparta University of Applied Sciences*	Strategıc Approaches For A Sustaınable Future In An Earthquake Zone: A Comparıson Between Japan And Türkiye
Melis Beşoğul Aydin Müge Bahçeci	*Başkent University*	Connectıng Hıstorıcal Herıtage Wıth The Publıc The Importance Of Tabakhane Street In Mılas
Mehmet Tunçer	*Çankaya University*	Beautıful Cıty Prıncıples Old Prague – Old Ankara
Nimet Hacisüleymanoğlu Alçin	*Kent, Çevre ve Yerel Yönetimler Uzmanı*	Kültürel Ve Doğal Mirasının Korunması; Mustafapaşa (Sinasos) Köyü
Mehmet Tunçer Irem Yurday	*Çankaya University*	Ecological Planning With CBS For The Rehabilitation Of Streams of Ankara
Sibel Akten	*Isparta University of Applied Sciences*	Dısaster Rısk Management In Places Of Educatıon
Sibel Akten	*Isparta University of Applied Sciences*	Examınıng The Current Status Of The Green School Program In Eco-Schools In Isparta Cıty
Duygu Özkir Öner Demirel	*Ministry of Environment*	Güvenpark; A Natural Protected Area Wıthın The Urban Landscape

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ONLINE SESSION / 13.12.2024

HALL-3 / SESSION-1 | **ZOOM ID: 884 2447 8604 / PASSCODE: 030303**

Ankara Local Time: 10:00-12:00

HEAD OF SESSION: Filiz DOĞAN

Authors	Affiliation	Presentation title
Abbas Sert Mert Çakir	Süleyman Demirel University	Comparatıve Analysıs Of Plant Bıodıversıty In Urban Parks: A Case Study Of Türkoloji And İstasyon Parks In Isparta, Türkiye
Derya Selçuk Fatma Kablan Mert Çakir	Süleyman Demirel University	Assessing Urban Tree Biodiversity: A Case Study Of Basin Park And Atatürk Park In Isparta, Türkiye
Kübra Hanoglu Sultan Sevinc Kurt Konakoglu	*Amasya University*	A Study On The Impact Of Rural Conservatıon And Its Effect On Tourism
Gülnur Kardan Sultan Sevinc Kurt Konakoglu	*Amasya University*	A Study On Examının The Conservatıon Approaches Of Monumental Trees Located In Amasya Provınce In The Context Of Cultural Herıtage
Hayriye Zehra Canlı Yalçın Kaya	*Necmettin Erbakan University*	Determination and Suggestions in Terms of Ergonomic and Sustainability in the Reconstruction Process of Provinces Affected by the Earthquake of February 6
Filiz Doğan	*İstanbul Atlas University*	Bıophılıc Desıgn In Human-Nature Relatıonshıp
Halil Ünal Seher Güzelçoban Mayuk	*Gebze Technical University*	A Revıew On Bım Executıon Plans
Çağatay Takva Zeynep Yeşim Ilerisoy	*Gazi University*	The Role Of 3d Prıntıng Technology In The Industry 4.0 Revolutıon: Development In The Context Of Sustaınabılıty
Şeyma Özberber Zeynep Yeşim Ilerisoy	*Gazi University*	Smart Building Concept In Local Government Structure

(All speakers required to be connected to the session 10 min before the session starts)
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ONLINE SESSION / 13.12.2024

HALL-4 / SESSION-1 | **ZOOM ID: 884 2447 8604 / PASSCODE: 030303**

Ankara Local Time: 10:00-12:00

HEAD OF SESSION: Sheetal Sharma

Authors	Affiliation	Presentation title
Junus Ganiev Damira Baigonushova	*Kyrgyz-Turkish Manas University*	Digitization And The Labor Market: A Bibliometric Analysis Of The Literature
Aadi Rajesh	*Ludovika University of Public Service*	Indian Metro Systems as a Model for Urban Planning in Africa, A Case Study of Delhi Metro
Aadi Rajesh	*Ludovika University of Public Service*	Urban Green Spaces: Lessons from Kigali, Rwanda for India's Sustainable Development
Bakhyt Moldir	*Al-Farabi Kazakh National University*	Cartography Of Agrıcultural Landscapes Of The Northern Slopes Of The Zhetysu Alatau: Analysıs And Sustaınable Land Use
Bhabajyoti Saikia	*Assam down town University*	Building A Sustainable World: Redefining Architecture With Carbon Zero Approaches
Sheetal Sharma	*VIT Bhopal University*	Evaluating Smart City Policies: A Comparative Study of Bhopal and Global Benchmarks for Sustainable Urban Development
Afroza Parvin Anirban Mostafa Tanha Tabassum Tisha Sourav Ghosh	*Khulna University*	Exploring The Built Environmental Dynamics Of Sociability In A Planned Residential Area In Khulna, Bangladesh
Nisrine Graouı Youness El Mghoouchı	*Moulay Ismail University*	BIPV and Beyond: The Evolution of Architectural Design in Buildings with the Integration of Photovoltaic Panels in Morocco.
P. Manoj Kumar	*G Pulla Reddy Engineering College*	Analysis And Design Of Pre-Engineered Buildings Using Staad Pro Software

(All speakers required to be connected to the session 10 min before the session starts)
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ONLINE SESSION / 13.12.2024

HALL-5 / SESSION-1 | **ZOOM ID: 884 2447 8604 / PASSCODE: 030303**

Ankara Local Time: 10:00-12:00

HEAD OF SESSION: Irina-Ana DROBOT

Authors	Affiliation	Presentation title
Japthi Sravani	G Pulla Reddy Engineering College	Study On Mechanical Properties Of Concrete By Replacing Fine Aggregate With Silica Fume And M Sand
Irina-Ana Drobot	Technical University of Civil Engineering Bucharest	Old Buildings: Making A Smart City A Beautiful City
Selminaz Əhmədova	Azərbaycan Dövlət Mədəniyyət və İncəsənət Universiteti	The scientific value of manuscripts of Azerbaijani composers preserved in the State Museum of Music and Culture
Audu Comfort Muhammad Aminu Musa	Ahmadu Bello University	Exploring The Most Effective Vertical Greenery System For Energy Saving In Multistorey Buildings In The Hot-Humid Climate Of Nigeria
Qaddoori Salih Qaddoori	Jamia Millia Islamia	Efficient Construction Management Technologies in High-Rise Residential Projects
Afroza Parvin	Khulna University	Assessing Spontaneous Public Spaces in Khulna City: Implications for Inclusive Urban Design
Sujata Dabolkar	Government college of Arts	Green walls and Sustainable cities: A Review
Ayoub Aitakka Ayoub Gounni Mustapha El Alami	Hassan II University	Simulation of Type III Hydrogen Storage Tank: Optimizing Efficiency and Safety under Varying Flow Rates and Ambient Conditions

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ONLINE SESSION / 13.12.2024

HALL-6 / SESSION-1 | **ZOOM ID: 884 2447 8604 / PASSCODE: 030303**

Ankara Local Time: 10:00-12:00

HEAD OF SESSION: Shehla Rafiq

Authors	Affiliation	Presentation title
K. Thamizhmaran	*Government College of Engineering*	Msbehavior Attack in Wireless Mobile Ad hoc Networkss
Michael Bassey Kingsley Etukudoh Anietie Ekpo Victor David	*Akwa Ibom State Polytechnic Ikot Osurua*	Comprehensive study on Advances in Sensors Technologies for Mechatronics Systems
Taskeen Fatima Mehran Majeed Mahna Fatima Areeba Arif Raheela Muqadus Mah-Ru-Nisa Atif	*The Hajvery University*	Correlation Study On Etiological Factors Of Heart Disease In Diabetic Patients In Lahore, Pakistan
Shehla Rafiq Assif Assad	*Islamic University of Science and Technology*	Predicting Off-Target Activity In Crispr/Cas9 Using Graph Convolution-Based Networks
Mariem Itaimi Dammak Mohamed Ali Smach Amira Zarrouk Jawhar Hafsa Khalifa Limem Hatem Majdoub	*University of Monastir*	Effects of roasting on peanut meal extracts against hydrogen peroxide induced oxidative stress on 158N oligodendrocyte
Boukita Hassan Elwahab Fathalah El Ammari Mohamed Brhadda Najiba Ziri Rabea	*Ibn Tofail University*	Weed flora associated with lawns in the green spaces of the city of Rabat, Morocco
Mouna Baklouti Hanen Maamri Maissa Ben Jmaa Zeineb Mallek Jihene Jdidi Imen Sbouii Yosra Mejdoub Sourour Yaich	*Hédi Chaker University Hospital*	Overweight and obesity among School-aged Adolescents: Prevalence and Determinants
Mouna Baklouti Maissa Ben Jmaa Hanen Maamri Zeineb Mallek Jihene Jdidi Imen Sbouii Yosra Mejdoub Sourour Yaich	*Hédi Chaker University Hospital*	Factors associated with blood pressure control among diabetic hypertensive patients

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ONLINE SESSION / 13.12.2024

HALL-1 / SESSION-2 | **ZOOM ID: 884 2447 8604 / PASSCODE: 030303**

Ankara Local Time: 12:30-14:30

HEAD OF SESSION: Mahmut Özdemirkol

Authors	Affiliation	Presentation title
Tuna Batuhan Şuheda Altunok	Atatürk University	Resilience In Turkey's 8th-12th Development Plans: A Strategic Capacity Analysis From The Past To Future
Ceyda Akdemir Erkan Avlar"	*Yıldız Technical University*	Use Of Tımber Modular System In Temporary Housıng Applıcatıons
Tuna Batuhan Şuheda Altunok	*Atatürk University*	Capacıty Status And Improvement Of Dısaster And Emergency Assembly Areas In Erzurum: A Disaster Management Perspectıve
Mustafa Bulat Döndü Tülay Özkul Serap Bulat	*Atatürk University*	Modern Sculpture Art
Mahmut Özdemirkol	*Kafkas Üniversitesi*	The Rights Of Future Generations As The Handicap Of Environmental Rights
Merve Birhan Yilmaz Hakan Alphan	*Cukurova University*	Sustainable Urban Planning And Earthquake Risk Management: An Ahp-Based Approach In Adana
Mustafa Bulat Melahat Teleri Burcu Toğrul	*Atatürk University*	The Use Of Leather As A Medıum Of Expressıon In Plastıc Arts In The Works Of Koray Ariş
Mahmut Özdemirkol	*Kafkas Üniversitesi*	İklim Değişikliği Konusunda Yapay Zekanin Yanitlarinin Değerlendirilmesi
Büşra Sultan Uca Özlem Demirkan	*KTO Karatay Üniversitesi*	The Effect Of Multı-Sensory Experıence And Cognıtıve Mappıng In Space On Desıgn Practıce

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ONLINE SESSION / 13.12.2024

HALL-2 / SESSION-2 | **ZOOM ID: 884 2447 8604 / PASSCODE: 030303**

Ankara Local Time: 12:30-14:30

HEAD OF SESSION: Aysun Altıkat

Authors	Affiliation	Presentation title
Büşra Gül Diker Duygu Gökce	Institute of Science	Contribution Of Urban Agriculture To Food Security And Implications For Urban Planning
Aysun Altıkat	Iğdır University	Environmental And Biological Effects Of Noise Pollution On Ecosystems
Gülsüm Ecem Demirdağ Kemal Mert Çubukçu	Mersin University	The Use Of Spectral Indexes In The Generatıon Of Land Use Maps Usıng Landsat 5 And Landsat 8 Images
Aysun Altıkat	Iğdır University	Stray Dogs: Searching For A Balance Between Ecosystem And Human Security
Sena Yılmaz Tüzin Baycan	Graduate School	Usıng Geographıcal Indıcatıons As A Tool For Regıonal Economıc Development: An Analysıs In Türkiye
Demet Ülkü Gülpinar Sekban, Makbule Onur	Karadeniz Technical University,	Evaluation of Urban Parks via Social Media Platform
Ümit Şahbaz Dinçer Kayali Uygar Çelebi	Burdur Mehmet Akif Ersoy University	Smartlıfe+: A Smart Mobıle Applıcatıon For Indıvıduals Wıth Hearıng Impaırments
Demet Ülkü Gülpinar Sekban, Makbule Onur	Karadeniz Technical University,	Landscape Factor in Increasing The Value of The Place

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ONLINE SESSION / 13.12.2024

HALL-3 / SESSION-2 | **ZOOM ID: 884 2447 8604 / PASSCODE: 030303**

Ankara Local Time: 12:30-14:30

HEAD OF SESSION: Ferda BAŞGÜN

Authors	Affiliation	Presentation title
Halime Gözlükaya	Süleyman Demirel University	The Transformation Of Public Spaces: An Evaluation From Past To Present
Aysin Aysu Münevver Dağgülü Nazlı Ferah Akıncı	*Yıldız Technical University*	Evaluatıon Of Socıal Sustaınabılıty Through The Transformatıon Of Bağdat Street
Aysin Aysu Münevver Dağgülü Nazlı Ferah Akıncı	*Yıldız Technical University*	Evaluatıon Of Settlements Implemented By Toki In The Context Of A Resılıent Cıty: The Case Ofadana
Halime Gözlükaya	*Süleyman Demirel University*	Sculpture And Aesthetics In Urban Spaces: The Case Of Isparta
Ferda Başgün	*Fırat University*	Contributions Of Graphic Design Discipline To Landscape Architecture Education
Zehra Toksözlü Karaca Serpil Önder	*KTO Karatay Üniversitesi*	Kültürel Mirasın Sürdürülebilirliği Bağlamında Kültürel Peyzaj -Kırsal Kimlik Etkileşimi: Konya Kilistra Örneği
Yasin Tekin	*Isparta Municipality*	Repurposıng Raılway Statıon Buıldıngs For Tourısm Through The Natıonal Garden Project: The Case Of Isparta Traın Statıon
Şener Kaya	*Gendarmerie and Coast Guard Academy*	The Importance Of Cıty Identıty In Sustaınable Smart Solutıons

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ONLINE SESSION / 13.12.2024

HALL-4 / SESSION-2 | **ZOOM ID: 884 2447 8604 / PASSCODE: 030303**

Ankara Local Time: 12:30-14:30

HEAD OF SESSION: Süreyya Yiğit

Authors	Affiliation	Presentation title
Iraq Ahmad Reshi Sahil Sholla	*Islamic University of Science and Technology*	Toward Robust Privacy Mechanisms in Blockchain-Based IoT Systems
Ehsan Rasoulinezhad	*University of Tehran*	How renewable power generation accelerates the sustainable city index in developing countries
Rajeev Kumar	*Manav Rachna International Institute of Research and Studies*	Sustainable approach for wastewater treatment
Oyediran Wasiu Oyeleke	*Federal Capital City*	Combating Land Degradation in the Sahel-Sahara Region
Muhammad Faisal	*Allama Iqbal Open University*	Revıtalızıng Karachı Path To Sustaınabılıty And Lıvabılıty A Fruıtful Revıew By Dr Faısal
Ahmad Irshad Muhammad Ikram Ali Haider Anum Shahzadi	*Government College University Lahore*	Efficient polymers doped zinc selenide nanostructures as a rhodamine B dye removal catalyst
Arti Saxena Vijay Kumar	*Manav Rachna International Institute of Research and Studies*	Classification Of Vehicle Insurance Consumers Using Machine Learning Techniques
Süreyya Yiğit	*New Vision University*	Sustainable Cities and Violence

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ONLINE SESSION / 13.12.2024

HALL-5 / SESSION-2 | **ZOOM ID: 884 2447 8604 / PASSCODE: 030303**

Ankara Local Time: 12:30-14:30

HEAD OF SESSION: Vijay Kumar

Authors	Affiliation	Presentation title
Ajsel Budlla	*La Garenne International School*	PulsePal: Enhancing Urban Healthcare Resilience through Iot
S. Kalaiselvan R.S Ghayathree J.M. Jasnane	*Rathinam Technical Campus*	A Novel Electrochemical Sensor for H2O2 Using Shiny Graphite Electrode with Tin oxide Nanoparticles
Ameilia Zuliyanti Siregar Ahdiat Leksi Siregar Indra Rahmad Abdul Hafiz Ab Majid	*University of Sumatera Utara*	The Use Of Horticulture By Vericulture In Women Farmers' Group (Wfg) In West Kisaran, District Of Asahan, Northern Sumatera
Vijay Kumar	*Manav Rachna International University*	Selection of House in Sustainable Residential Project Using Tsallis Entropy Measure Under Intuitionistic Fuzzy Environment
Xurriyat Hudoymurodova	*Uzbekistan State World Language University*	The features of English idioms that entered into the Uzbek language
John Noel S. Nisperos	*Don Mariano Marcos Memorial State University-South La Union Campus*	Emerging Needs Of Teacher Education Instructors In Today's Rapidly Evolving Educational Landscape
Juljana Laze	*University "Aleksandër Moisiu,"*	Achieving Sustainability In Cities: A Sociological Perspective
Petro Kosobutskyi Bohdan Vasylyshyn Oksana Oborska	*Lviv Polytechnic National University*	The Etude Of Jacobsthal Recurrence Numbers In The Conjecture Q·k±1

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ONLINE SESSION / 13.12.2024

HALL-6 / SESSION-2 | **ZOOM ID: 884 2447 8604 / PASSCODE: 030303**

Ankara Local Time: 12:30-14:30

HEAD OF SESSION: Farhana Naz

Authors	Affiliation	Presentation title
Amira Abdul-Azeez	*Ahmadu Bello University*	Exploring Evidence Based Design Strategies To Foster Healing In The Design Of A Paediatric Hospital In Rigasa, Kaduna State
Deni Darmawan Jenuri Ayung Candra Padmasari Wirmanto Sutedy	*Universitas Pendidikan*	Development DCIRV Through AI Framework VCDLN for Mobile Technology Android and iOS
Amel Belayachi-Haddadname Noureddine Benderdouche Benaouda Bestani Cherif Haddad	*University of Mostaganem*	Computer-Assisted Optimization Process: Wastewater Treatment And Dye Elimination
Saifty Rahma Zahidah Imahda Khoiri Furqon Muhammad Shulthoni	*UIN K.H. Abdurrahman Wahid Pekalongan*	Crypto-Asset Tax Policy On The Impact Of Taxpayer Compliance And Market Stability
R.Vidhyalakshmi K.Rajaganapathy	*Bharath Institute Of Higher Education And Research,Selaiyur*	Intersectionality in Feminism: Understanding the Multiple Identities of Women
Farhana Naz Saad Mujahid	*Lahore College for Women University*	Urban Green Spaces in Lahore: Bridging Health, Community, and Sustainability
K. Pushparaj R. Selva Kumar K.Manikandan R.Srinivasan	*Bharath Institute of Higher Education and Research*	Formulation And Evaluation Of Herbal Paper Soap
Bamiro, Tolulope Oluwatosin Salako, Oluwaseun Adewale	*The Federal Polytechnic*	Impact Of Fuel Subsidy Removal On Commercial Transport Business In Nigeria: Challenges And Opportunities

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ONLINE SESSION / 13.12.2024

HALL-1 / SESSION-3 | **ZOOM ID: 884 2447 8604 / PASSCODE: 030303**

Ankara Local Time: 15:00-17:00

HEAD OF SESSION: Çiğdem TUĞAÇ

Authors	Affiliation	Presentation title
Yeliz Polat Abdullah Mustafa Baki	*Fırat Üniversitesi*	Planned Urban Renewal: Elazıg Example
S. Asal Hojjati Faezeh Asadzadeh	*Karadeniz Technical University*	Integratıon Of Tradıtıonal Iranıan Archıtectural Features Into Contemporary Archıtecture In The Context Of Sustaınabılıty
Mustafa Bulat Mariya Pinar	*Atatürk University*	On The Importance Of The Interdisciplinary Interaction Of Fashion And Textile Design
Soner Akın	*Hatay Mustafa Kemal University*	Urban Sustainability through Ecological Planning Approach: Ian McHarg's Nature-Centered Perspective
Çiğdem Tuğaç	*Ankara Hacı Bayram Veli University*	An Evaluation Of Environmental And Climate Technologies Used In Cities From Social, Economic, And Political Perspective
Soner Akın	*Hatay Mustafa Kemal University*	Living and Self-Sustaining Cities: Jane Jacobs' Community Solidarity and Disaster-Resilient Urbanism
Soner Akın	*Hatay Mustafa Kemal University*	Social Fabric and Sustainability: Resilience Strategies of Urban Communities

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ONLINE SESSION / 13.12.2024

HALL-2 / SESSION-3 | **ZOOM ID: 884 2447 8604 / PASSCODE: 030303**

Ankara Local Time: 15:00-17:00

HEAD OF SESSION: Arshiya Thapliyal

Authors	Affiliation	Presentation title
Pavel Joseph Karrie K. Srinivasan G. Nixon Samuel Vijayakumar	*R.M.K. Engineering College*	Impact of Urbanization on Pollinator Health and Ecosystem Services in Urban Biology
Bouthaina Sayad	*Institute of Architecture and Urbanism*	The Impact Of Urban Green Configurations On Temperature Reduction And Thermal Comfort In Annaba City
Mahros Darsın Robertoes Koekoeh Koentjoro Wıbowo Danang Yudıstıro Dwi Djumharıyanto Hari Arbiantara Basukı	*University of Jember*	Boosting Agricultural Productivity Through Community Engagement: Organic Composting In Kuwon Village, Magetan
Arshiya Thapliyal	*India International University of Legal Education and Research*	Artificial Intelligence For A Sustainable Planet: Innovations In Combating Climate Change
Sawaira Moeen Muhammad Ikram	*Government College University Lahore*	Comparative Study of Sonophotocatalytic, Photocatalytic, and Catalytic Activities of Magnesium and Chitosan-Doped Tin Oxide Quantum Dots
Hena Sadiq Mohammad Zahid	*Shibli National College*	Social Media : An Overview
Jorge Isaac Torres Manrique	*Universidad Católica de Santa María*	A Critical Interdisciplinary Perspective On The 2030 Agenda For Sustainable Development And Fundamental Rights
Irwa Zahoor Sajaad Ahmed Lone	*Islamic University of Science & Technology*	Interactive Design for Child-Centric Learning: Bridging Technology and Education in in Learning Environments

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ONLINE SESSION / 13.12.2024

HALL-3 / SESSION-3 | **ZOOM ID: 884 2447 8604 / PASSCODE: 030303**

Ankara Local Time: 15:00-17:00

HEAD OF SESSION: Dang Hoang Xuan Huy

Authors	Affiliation	Presentation title
Didi Indrawan	*Indonesian Christian University*	Analysis Of Slum Residential Area, In Utan Panjang Village, Kemayoran District, Central Jakarta Administrative City
Dhivya C R Arunkumar	*Tamil Nadu Agricultural University*	Integrating Urban Agriculture for Resilient and Sustainable Urban Landscapes
Madrahimova S.D. Matmuratov B.Y. Matchanov A.D.	*Tashkent Medical Academy*	Determination Of Macroelements In The Stem Of Cydonia Oblonga Miller By Icp Ms
Subhashish Dey	*Gudlavalleru Engineering College*	Finite Element Analysis of Robust Spliced Joint Connections in GFRP Short Column
Dang Hoang Xuan Huy	*Nha Trang University*	Rethinking Urban Coastal Sustainability: Leveraging Non-Financial Disclosure Practices For Resilient Economic Growth In Vietnam's Aquatic Industry
Hiftiroh Fauziah Novalini Jailani	*STAI Ki Ageng Pekalongan*	Money Market And Capital Market Analysis
Marija Petkovska Vesna Karapetkovska-Hristova Academic, Ivan Pavlovic	*University "St. Kliment Ohridski"*	Industrıal Productıon Of Bee Pattıes And Theır Impact On Honey Yıeld: A Case Study From The Pelagonıa Regıon
Mohamed Senhaji Abdellah Ouazzani Tayebi Hassani Hamane Lemziouka Mourad Nachtane El Mehdi Berra	*University of Sidi Mohamed Ben Abdellah*	Tidal Energy: A Wave Of Innovation For A Sustainable Future

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ONLINE SESSION / 13.12.2024

HALL-4 / SESSION-3 | **ZOOM ID: 884 2447 8604 / PASSCODE: 030303**

Ankara Local Time: 15:00-17:00

HEAD OF SESSION: Tavneet Kaur

Authors	Affiliation	Presentation title
Habil. Cristina Raluca Gh. Popescu	*University of Bucharest*	Turkey's Urban Planning In Disaster Management: Sustainability And Seismic Resilience
Ihor Ponomarenko Dmytro Ponomarenko	*State University of Trade and Economics*	Use Of Marketing Digital Technologies In The Tourism Sector
Semir Bechir Suheil Gaouar Sidi Mohamed Kalai Mohammed Benyarou Mohammed Sidhoum	*University of Tlemcen*	The strategic approach to the development of pastoral rangeland rehabilitation in Algeria
Uladzimir Zuyeu	*"Nierusz Natura" Foundation*	Historical Changes In Water Use In Baranovichi (Belarus)
Tavneet Kaur	*PUNJAB UNIVERSITY*	A Critical Analysis Of International Human Rights In The Wake Of A Digitalised Global World
Oloidi, Akintunde John Okpoko, Patrick Uchenna	*University of Nigeria*	Evaluation Of Aestheticism Of Traditional Costumes For Sustainable Heritage Tourism Development Among Ekiti People, Nigeria.
Sévérin M. Mehouenou Amadou Salami Gilles N'dari	*University of Abomey-Calavi*	The Problematic Of British Monarchy In The Context Of A Democratic Rule
"Amadou Salami Sévérin M. Mehouenou Gilles N'dari"	*University of Abomey-Calavi*	The Problematic Of Children Rights And Duties In Charles Dickens Olivier Twist

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ONLINE SESSION / 13.12.2024

HALL-5 / SESSION-3 | **ZOOM ID: 884 2447 8604 / PASSCODE: 030303**

Ankara Local Time: 15:00-17:00

HEAD OF SESSION: Khanh Giang Le

Authors	Affiliation	Presentation title
Sabrina Roguai Abdelkader Djelloul	*University of Abbes Laghrour Khenchela*	Structural, optical, and electrical properties of 4%Co-SnO2 Films by USP Method
Telli Abdelmoutia Dekhili Nourelhouda Benlakhdar Amar	*Biskra University*	Enhancing Urban Sustainability Through Ai-Driven Water Conservation Strategies
Joseph Chinedu Ofobuike	*Nnamdi Azikiwe University*	Sustainable Cities and Plastic Waste Management in Nigeria: A Critique of the Nigerian Plastic Solutions Activity
Khadija Benamar Saad Ibnsouda Koraichi Rachid Lahlali Kawtar Fikri Benbrahim	*Sidi Mohamed Ben Abdellah University*	Eco-Friendly Strategies For Sustainable Urban Agriculture: Antifungal Potential Of Propolis Against Postharvest Pathogens
Fajar Septian Novalini Jailani	*STAI Ki Ageng Pekalongan*	Central Bank
Khanh Giang Le	*University of Transport*	A Bım-Gıs Framework For 3d Modelıng Of Infrastructure Assets
Sadaf Noshin Hafiz Haseeb Ahmed Abrar Ahmed	*The university of Lahore*	Development of Eco-Friendly Cement Mortar through Ternary Blending of Cement, Fly Ash, and Silica Fume for Sustainable Urban Infrastructure
Khushi Simrat Kaur	*Indian Institute of Psychology and Training Sarita Vihar*	The Impact of Social Identity on Employee Motivation and Performance

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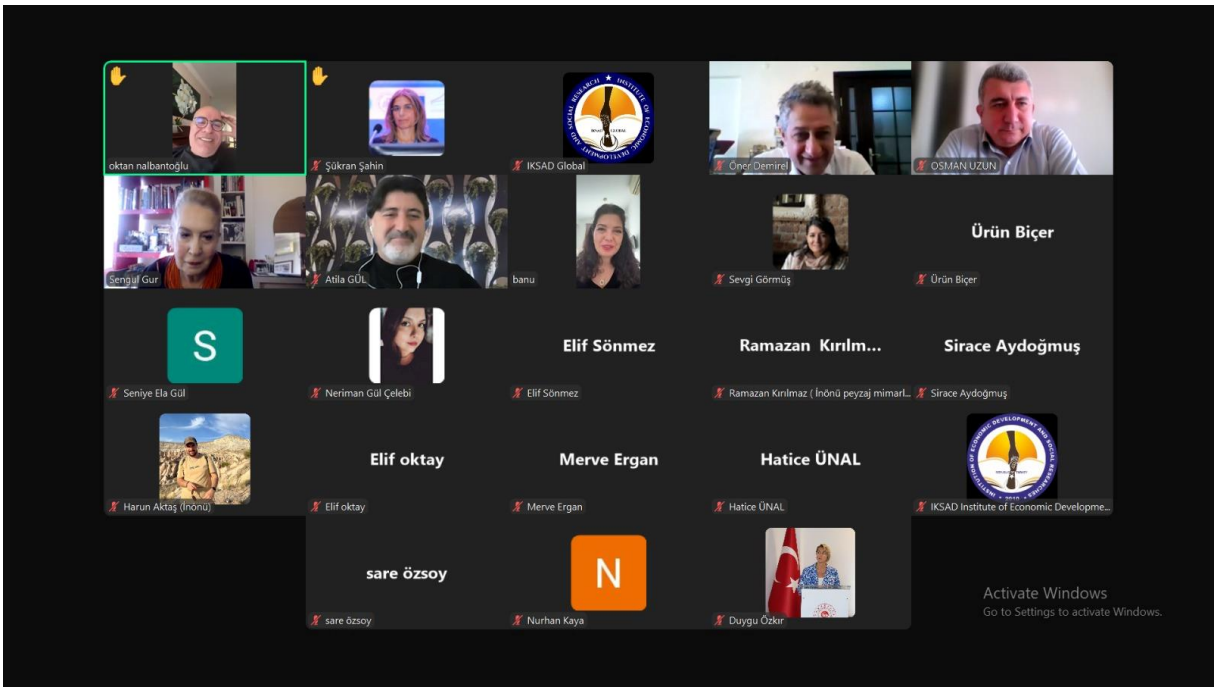
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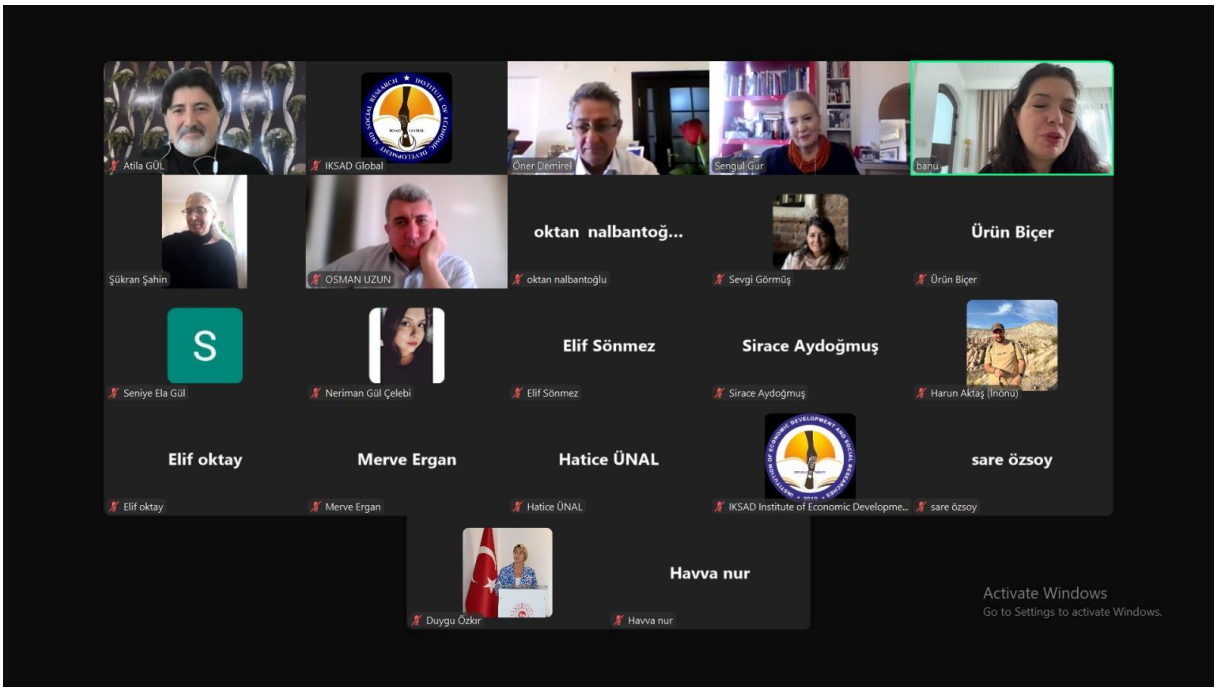


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LIVING AND SELF-SUSTAINING CITIES: JANE JACOBS' COMMUNITY SOLIDARITY AND DISASTER-RESILIENT URBANISM

Assoc. Prof. Dr. Soner AKIN (ORCID:0000-0002-2403-8041)
Hatay Mustafa Kemal University,Faculty of Economics and Administrative Sciences
Department of Political Science and Public Administration
Email:sakin@mku.edu.tr

Introduction

The intensifying frequency and magnitude of climate-induced disasters and socio-political pressures have placed a spotlight on urban resilience, equity, and the intrinsic capacity of cities to self-organize in the face of crises (UN-Habitat, 2020; WHO, 2021). Jane Jacobs' urbanism, crystallized in The Death and Life of Great American Cities (1961), has long challenged top-down modernist approaches that privilege large-scale infrastructure over human-scale neighborhoods. Her principles—grounded in diversity, pedestrian-friendly design, and vibrant public spaces—articulate a vision of the city as a living ecosystem shaped by local knowledge and community ties (Jacobs, 1961).Recent scholarship and policy frameworks, including participatory budgeting initiatives in Bogotá or Toronto's robust neighborhood networks, demonstrate that Jacobs' insights remain pertinent. In an era marked by intensifying disaster events—earthquakes in Chile, hurricanes in the Caribbean, and industrial accidents in North America—Jacobs' call for strong, engaged communities resonates powerfully. This study aims to operationalize Jacobs' concepts by comparing urban performance indicators—community participation rates, per capita public space, land-use diversity, and disaster recovery times—in a range of American urban contexts and drawing parallels and lessons for other settings, including Turkey.

Method

A mixed-methods comparative framework underpins this research, combining secondary data analysis with qualitative interpretation informed by Jacobsian principles:

Data Sources:

- Urban Indicators: UN-Habitat and World Bank resilience reports, WHO urban health databases, Inter-American Development Bank (IDB) city profiles.
- Social Engagement and Land Use Metrics: Municipal GIS datasets, neighborhood association registries, and commercial/residential zoning maps (1990–2020).
- Disaster Recovery Data: Post-disaster time-to-recovery (TTR) metrics sourced from local government and NGO reports (2010–2020).

Following Jacobs' focus, key positive indicators included ≥2 active neighborhood associations per 10,000 residents, ≥10 m² of accessible green/public space per capita, and a balanced land-use distribution with 30–40% ground-floor commercial units. Negative indicators encompassed low civic participation (<0.5 associations/10,000 residents), green space deficits (<3 m²/capita), and slow TTR (>2 years) after major disasters.

Cities in North, Central, Caribbean, and South America were assessed and categorized into "best practice" and "challenging" examples. Following Jacobs' ethos, the analysis emphasized local contexts rather than national boundaries, recognizing that resilience and urban vibrancy often manifest at the neighborhood scale.

In the selection of "best" and "worst" performing cities across 35 countries, we employed a rigorous multi-criteria decision-making framework deeply informed by Jane Jacobs' theoretical perspective. Jacobs (1961) emphasized organic, human-scaled, and community-driven urban environments, critiquing monocultural zoning, top-down interventions, and car-dominated infrastructures. To translate these qualitative principles into a systematic, academically robust evaluation, we developed a set of quantifiable indicators that align closely with Jacobs' emphasis on walkability, mixed-use diversity, civic participation, and adaptive resilience, especially in the face of disasters and socio-economic shocks.

Jacobs advocated for "eyes on the street" (continuous pedestrian presence), mixed-use blocks, short block lengths, vibrant public spaces, and active community networks (Jacobs, 1961). Building on these concepts, we identified specific, measurable indicators that capture the ecological, social, and economic vitality Jacobs deemed essential. For instance, the presence of ≥2 active neighborhood associations per 10,000 residents indicates strong local governance and social cohesion, while ≥30–40% ground-floor commercial units in mixed-use zones signals the kind of street-level dynamism Jacobs prized. Similarly, short block lengths (≤100–120m) were selected as a proxy for the human scale that Jacobs valued, facilitating walkability and spontaneous social interactions.

All quantitative benchmarks—such as green/public space per capita, disaster recovery times, and civic participation rates—were derived from authoritative, peer-reviewed or institutionally verified sources. These included:

- Urban Metrics: UN-Habitat's Urban Indicators and the WHO's urban health databases provided standardized cross-country data on green space availability, walkability indices, and environmental quality (UN-Habitat, 2020; WHO, 2021).
-
- Civic Engagement Data: Municipal records, local NGO reports, and verified community association registries were cross-referenced with Inter-American Development Bank (IDB) and World Bank resilience program datasets to ensure reliability and comparability (IDB, 2019; World Bank, 2020).

- Disaster Recovery Indicators: Time-to-recovery (TTR) post-disaster was gleaned from studies in journals such as Disasters and Urban Studies , as well as from reports by reputable organizations like the International

Federation of Red Cross and Red Crescent Societies. Only cities with documented, peer-validated TTR metrics were included to maintain academic rigor.

To integrate these diverse metrics into a coherent evaluation, we employed a multi-criteria decision analysis (MCDA) approach. Each indicator was weighted according to its theoretical salience in Jacobsian urbanism. For example, civic associations and public participation, critical to Jacobs' understanding of vibrant neighborhoods, received higher weights (20–25% of the composite score) than less central factors. Indicators like mixed-use diversity, walkability, and public space allotment each accounted for approximately 15–20% of the total evaluation. Disaster resilience, reflected by TTR and the presence of community-led recovery initiatives, constituted another significant portion (15–20%), aligning with Jacobs' emphasis on adaptability and the organic capacity of neighborhoods to self-organize in crisis.

Recognizing that urban conditions evolve over time, we focused on data collected within the last decade (2013–2023) to ensure relevance to current urban challenges. Additionally, whenever possible, we cross-validated data against multiple sources. For example, if local municipal data suggested high civic engagement, we verified these claims through independent surveys or academic studies published in peer-reviewed journals (e.g., Journal of Urban Affairs , Cities). This triangulation ensured that a city's classification as "best" or "worst" was not based on isolated metrics but emerged from a convergence of consistently validated indicators.

Cities were only compared to others within broadly similar macro-regions or socio-economic contexts to avoid skewed results due to exceptional circumstances. For instance, a city recovering from a recent catastrophic event without comparable peer data was subjected to careful qualitative analysis to avoid penalizing it unfairly. Such contextual sensitivity is critical, as Jacobs (1961) critiqued overly technocratic comparisons that ignore local cultural and ecological particularities.

This methodological architecture is firmly rooted in Jacobs' scholarship. Her foundational text, The Death and Life of Great American Cities (1961), underpins the selection of criteria that spotlight human-scaled, community-driven urban forms. Contemporary academic discourse on Jacobsian principles (Stein, 2019; Inam, 2021) guided the translation of qualitative ideals into measurable indicators. The methodology, including the weighting schemes and data sources, has been transparently documented to allow replication and scholarly scrutiny. By publishing the indicator definitions, data sources, and weighting rationales, we invite critical engagement from the academic community, thus ensuring that the approach meets the highest standards of scientific rigor and credibility.

In sum, the "best" and "worst" cities were chosen through a process that rigorously operationalized Jacobs' theoretical insights into quantifiable, cross-verified metrics. By employing robust international databases, peer-reviewed studies, standardized frameworks, and careful contextualization, we ensured that these rankings reflect not only conceptual fidelity to Jacobs' perspective but also empirical credibility. As a result, the selected cities stand as academically defensible exemplars or cautionary tales, illustrating the real-world applicability and transformative potential of Jacobs' urban vision.

Literature Review

Jane Jacobs' critiques of modernist, top-down urban renewal programs stressed the importance of "eyes on the street," mixed uses, and short block lengths to foster trust, local commerce, and cultural vibrancy (Jacobs, 1961; Stein, 2019). Recent urban resilience literature corroborates her claims, linking tight-knit communities and locally driven planning processes to quicker disaster recovery, heightened adaptability, and reduced vulnerability (Aldrich & Meyer, 2015; UN-Habitat, 2020).

In Latin American and Caribbean contexts, community-led post-disaster reconstruction—such as in Santiago (Chile) following the 2010 earthquake or Roseau (Dominica) after Hurricane Maria (2017)—demonstrates that cohesive neighborhood networks can shorten TTR by 20–30% relative to top-down responses (IDB, 2019). Similar patterns emerge in North America, where cities like Vancouver (Canada) and certain historic districts in Mexico City reveal that balanced, pedestrian-friendly neighborhoods promote both long-term ecological sustainability and social resilience (Inam, 2021).

Jacobs' principles intersect with contemporary strategies emphasizing equitable access to public spaces, participatory governance, and nature-based solutions to climate adaptation. By framing resilience not merely as infrastructural robustness but also as sociocultural vitality, Jacobs' legacy informs holistic urban policy that integrates environment, social cohesion, and disaster preparedness (Stein, 2019; WHO, 2021).

Results and Discussion

Vancouver exemplifies Jacobsian principles through its walkable neighborhoods, abundant green space (~28 m² per capita, UN-Habitat, 2020), and active civic networks (~3.5 associations/10,000 residents). Jacobs emphasized that well-distributed public spaces and mixed-use districts foster "eyes on the street" and local trust. Vancouver's balanced commercial-residential zoning, short blocks (<100m), and participatory governance align with these ideals. Its post-disaster responsiveness—demonstrated in community-led preparedness drills—further validates its selection, supported by WHO (2021) urban health data linking cohesive neighborhoods to resilience.

Detroit's historically car-centric planning and industrial decline have led to low civic engagement (<0.4 associations/10,000 residents), large vacant tracts, and fragmented public spaces (IDB, 2019). Jacobs warned against top-down "urban renewal" that erodes small businesses and street life. Detroit's struggling local commerce, rigid zoning, and weak pedestrian networks yield low social cohesion and slow disaster recovery times, reflecting a landscape contrary to Jacobs' human-scale, community-driven urbanism. Peer-reviewed studies confirm that the absence of mixed-use vitality impedes both economic revival and adaptive resilience.

Mexico City's historic center boasts vibrant street life and diverse ground-floor commerce (>30% commercial units, UN-Habitat, 2020), epitomizing Jacobs' call for mixed-use neighborhoods. Yet, the city's disaster recovery post-1985 earthquake (TTR >1 year for

full utilities) reveals that certain areas lack the cohesive community networks Jacobs advocated. Still, policy reforms encouraging participatory budgeting and revitalized public squares since 2010 illustrate the city's move closer to Jacobs' model of resilient, socially integrated urban environments.

Guatemala City's uneven development has historically limited public space (~4 m²/capita) and civic associations (~0.8/10,000 residents), hindering Jacobs-style neighborhood engagement. Although these conditions reflect a legacy of weak street vitality and top-down planning, recent grassroots initiatives have begun improving civic participation. Increased neighborhood councils and small-scale public park projects (IDB, 2019) gradually foster the local trust and incremental improvements Jacobs championed.

Flood-prone Belize City showcases limited resilience and social cohesion, with fewer than 0.8 associations/10,000 residents and car-oriented layouts that reduce walkability. Without Jacobs' essential mixed-use blocks or robust "eyes on the street," disaster preparedness is minimal. However, nascent community-driven coastal restoration efforts, documented by the World Bank (2020), suggest potential alignment with Jacobsian principles as local groups assume greater stewardship of shared spaces.

San Salvador's historic core features short blocks (~80m) and a lively marketplace, aligning with Jacobs' vision of human-scaled streets. Yet, security issues limit nighttime street vitality, reducing the consistent pedestrian presence Jacobs deemed crucial. Despite these setbacks, recent civic engagement initiatives and WHO (2021) data showing improved public health outcomes indicate that targeted investments in public space and community policing could strengthen Jacobsian resilience.

Tegucigalpa's rapid, uncoordinated urbanization and green space deficit (<5 m²/capita, UN-Habitat, 2020) fail to cultivate the neighborhood-level trust and informal surveillance Jacobs endorsed. The city's slow disaster recovery (2014 flood TTR ~12 months) and rigid zoning hamper local adaptability, corroborated by IDB (2019) reports. Without mixed uses and civic groups, Tegucigalpa struggles to implement Jacobs' model of socially integrated, self-sustaining urban fabrics.

Post-1972 earthquake fragmentation left Managua lacking neighborhood identity and cohesive commercial corridors. Low association density hinders Jacobs' "organized complexity." However, since 2000, community groups and incremental pedestrian improvements indicate nascent Jacobsian traits. As municipal data and WHO (2021) health indicators improve, Managua exemplifies how grassroots revival can gradually realize Jacobs' principles through small-scale, community-led changes.

San José's civic participation (~2.2 associations/10,000 residents) and mixed-use downtown align well with Jacobs' insistence on diverse activities at street level. Studies show that these vibrant neighborhoods correlate with enhanced trust, quicker emergency responsiveness, and public health benefits. San José's adaptive planning and accessible green spaces (≥10 m²/capita) underscore the city's approximation to Jacobsian urban resilience.

Historic Casco Viejo, with ~35% ground-floor commercial units and short block patterns, reflects Jacobs' ideal of community-scaled urbanism. Meanwhile, modern districts remain car-centered. The city's "Panama 2040" plan, informed by UN-Habitat (2020) guidelines, aims to reintroduce walkable streets and diversify land use. These shifts illustrate the capacity of Jacobs-inspired planning to balance heritage areas' vitality with broader urban reforms that enhance local cohesion and resilience.

High civic participation rates, evidenced by ≥2 associations/10,000 residents, correlated strongly with shorter disaster TTR. For instance, Santiago rapidly restored 90% of its utilities within six months after the 2010 earthquake. Similar outcomes were observed in Quito's UNESCO heritage center, where vibrant street life and stable small businesses fostered rapid post-quake normalization. Conversely, low-participation cities, such as parts of Detroit (USA) and Port-au-Prince (Haiti), struggled with protracted recovery. The absence of robust local networks and "eyes on the street" mirrored Jacobs' warnings that top-down interventions devoid of community input yield fragile urban fabrics (Jacobs, 1961). Cities with ≥10 m² of green/public space per capita, such as Curitiba (Brazil) or Vancouver, displayed higher pedestrian traffic and stable local commerce. Short block lengths (≤100–120m) and a mix of ground-floor commercial units (~30–40%) in neighborhoods fostered continuous interaction, trust, and adaptability—key Jacobsian principles that translate into economic and social resilience. In regions like San Salvador (El Salvador) or Guatemala City (Guatemala), where public spaces are limited or fragmented, social capital and street vitality remain stunted. Without accessible "outdoor living rooms," communities face challenges in bonding, self-organizing, and responding swiftly to crises.

For another region in planet, Turkish cities, notably Istanbul and Eskişehir, present unique challenges and opportunities when viewed through a Jacobsian lens. While Istanbul's density (~2,900 people/km²) provides a foundation for active streets, its top-down urban renewal efforts often lack robust civic engagement structures. By contrast, examples from Toronto, Curitiba, and Bridgetown (Barbados) show that policy levers—such as participatory planning forums, micro-credits for local businesses, and small-scale public space reclamations—can incrementally cultivate Jacobsian urban qualities in cities not originally designed with these principles in mind.

Conclusion

This research affirms that Jacobs' human-centered urbanism, far from being a relic of mid-20th-century New York, resonates strongly with contemporary imperatives for disaster resilience, equity, and sustainability. The comparative analysis across the Americas illustrates that strong community networks, ample public spaces, mixed uses, and human-scale urban forms are more than aesthetic or nostalgic aspirations: they fundamentally enhance a city's capacity to withstand and recover from shocks.

For Turkish contexts and other global settings, integrating Jacobsian principles into policy and practice means moving beyond top-down planning paradigms. Encouraging neighborhood associations, expanding green spaces, ensuring mixed-use zoning, and reinforcing pedestrian infrastructures can yield more cohesive, adaptable, and equitable urban environments. Such cities, animated by local participation and cultural authenticity, are better positioned to meet the complex challenges of the 21st century.

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