Kategorie	Mimořádné dotace
Kód přihlášky	24/0371

Žádost o poskytnutí peněžních prostředků z rozpočtu statutárního města Ostravy

Oblast školství

Období(rok)	2024	Druh podpory	Mimořádná dotace
Název projektu	Nový excelentní vědec na OU: podpora a financování příchodu do MSK		

Informace o žadateli

Právní forma žadatele	Právnická osoba		
IČ	61988987	DIČ	CZ61988987
Název žadatele	Ostravská univerzita		
Kategorie žadatele	vysoká škola		
Plátce DPH	Ano		
Předmět činnosti	poskytování terciálního vzdělávání		
Činnost provádí na základě	Zákona č. 111/1998 Sb., Zákon o vysokých školách a o změně a doplnění dalších zákonů (zákon o vysokých školách)		

Adresa sídla

Ulice	Dvořákova	č.p./č.o.	138/7
Obec	Ostrava	PSČ	70200

Kontakt na žadatele

Telefonní číslo	553464005	Mobil	
WWW stránky	www.osu.cz	E-mail	projekty@osu.cz

Osoba zastupující právnickou osobu

Jméno a příjmení	doc. Mgr. Petr Kopecký, Ph.D.	
Právní důvod zastoupení (uveďte, jestli jednáte na základě plné moci nebo jako statutární orgán)	statutární orgán	
Funkce	rektor	
Telefonní číslo	553461001	Mobil
Email	petr.kopecky@osu.cz	

Bankovní údaje

Číslo účtu/Kód banky	931761/710	Název banky	ČESKÁ NÁRODNÍ BANKA

Zpracovatel projektu

Jméno a přijmení	Mgr. Michaela Herdinová		
Funkce/pracovní zařazení	Centrum pro rozvoj a inovace, rektorát		
Telefonní číslo	553464005	Mobil	
E-mail	michaela.herdinova@osu.cz		

Projektová část

Účel použití peněžních prostředků (popis projektu)	V rámci programu Global Experts „Podpora příchodu excelentních vědců na univerzity v Moravskoslezském kraji" žádáme o mimořádnou dotaci z rozpočtu statutárního města Ostravy na financování příchodu excelentního vědce Dr. Salmana Qureshiho, který má více než 10 let mezinárodních výzkumných zkušeností, H-index 38, i10-index 69 a více než 6 400 citací. Dr. Qureshi úspěšně získal granty v hodnotě přes 2 miliony eur a také se jako spoluřešitel a spolupracovník podílel na projektech v celkové hodnotě 15 milionů eur. Příchozí vědec je zároveň držitelem prestižních ocenění, jako jsou „Best Dissertation Award in Landscape Ecology“ nebo „Sustainability Science Award“ (Ecological Society of America), tato ocenění reflektují jeho významný přínos v oblasti udržitelnosti a krajinné ekologie. Rozsáhlá síť mezinárodních spoluprací, interdisciplinární přístup a výzkum zaměřený na udržitelnost a socio-ekologické systémy představují značný přínos pro rozvoj akademického a vědeckého potenciálu Katedry sociální geografie a regionálního rozvoje (KSG) Ostravské univerzity. Výzkumný záměr vědce se soustředí na analýzu interakcí mezi sociálními, ekologickými a technologickými systémy s důrazem na jejich odolnost a udržitelnost. Klíčové oblasti zahrnují: 1) Zkoumání funkčnosti a dynamiky těchto systémů; 2) Podporu udržitelných přechodů v high-tech průmyslu; 3) Spolupráci na vývoji udržitelných řešení prostřednictvím transdisciplinární práce. Dále se zaměřuje na výzkum problémů v rychle se rozvíjejících městských oblastech a neformálních osídleních. Výstupem projektu budou manuskripty, které poskytnou nové poznatky a konkrétní doporučení pro zlepšení sociálně-ekologických systémů a přechodů k udržitelnosti a nabídnou praktické nástroje pro efektivní implementaci změn. Dr. Salman Qureshi zároveň plánuje na Ostravské univerzitě vytvořit nový výzkumný tým zaměřený na udržitelnost a regionální rozvoj. Tento tým využije jeho interdisciplinární zkušenosti, čímž podpoří inovativní výzkum a rozvoj praktických řešení. Vytvoření tohoto týmu posílí výzkumné kapacity katedry a přispěje k dosažení strategických cílů programu Global Experts. Období realizace výzkumného záměru příchozího vědce je plánováno na 36 měsíců, od 1. 10. 2024 do 30. 9. 2027. Celkové alokované prostředky na realizaci výzkumu činí 10 mil. Kč, z toho požadovaná dotace ze strany SMO činí 6 mil. Kč, zbylé 4 mil. Kč budou zajištěny z jiných zdrojů jako spolufinancování. Podrobný rozpočet je uveden v samostatné příloze. Konec realizace projektu je nastaven na 30. 9. 2027, žádáme o uznatelnost nákladů do 31. 10. 2027 z důvodu výplaty posledních mezd a plateb v souladu s plánovaným rozpočtem a programem Global Experts. Vzhledem k omezenému počtu znaků je detailní popis návrhu projektu zpracovaný příchozím vědcem včetně podrobného rozpočtu na celou dobu řešení projektu vložen do příloh této žádosti o poskytnutí mimořádné dotace. Součástí příloh je také CV příchozího vědce zahrnující významné publikace.
Odůvodnění žádosti - Cíl projektu	Primárním cílem projektu je zajistit optimální podmínky pro práci příchozího excelentního vědce na OU.
Doba dosažení účelu (předpokládané období realizace projektu)	od 01.10.2024 do 30.09.2027
Místo realizace	Ostrava
Charakteristika a velikost cílové skupiny (počet)	Hlavním řešitelem projektu bude Dr. Salman Qureshi s plánovaným úvazkem 1,0 FTE. Do projektu se zapojí čtyři další výzkumníci s celkovým úvazkem 1,5 FTE, včetně stávajících členů KSG a nových pracovníků (postdoktorand). Tým bude sestaven tak, aby efektivně pokryl všechny klíčové oblasti výzkumu a přispěl k dosažení projektových cílů.
Prezentace města	Příjemce dotace se zavazuje v souladu se smlouvou o poskytnutí dotace dodržovat pravidla povinné publicity (umístění loga města, umístění informace o poskytovateli - "Projekt je realizován s finanční podporou statutárního města Ostravy" apod.).

Rozpočet

Požadované uznatelné náklady

Celkové náklady na realizaci projektu	***Kč***	***Požadované náklady na realizaci projektu***	***Kč***
osobní náklady (specifikujte)	9 290 000	osobní náklady (dotace)	5 314 000
spotřební materiál (specifikujte)	25 000	spotřební materiál (dotace)	1 000
služby spojené s realizací projektu (specifikujte)	255 000	konferenční a publikační poplatky (dotace)	255 000
přeprava osob a materiálu	180 000		180 000
jiné náklady (specifikujte)	100 000	příspěvek na workshop (dotace)	100 000
jiné náklady (specifikujte)	150 000	příspěvek na mobilitu (dotace)	150 000

Další zdroje financování

Název zdroje	***Upřesnění zdroje (bližší specifikace)***	***Částka (Kč)***
Jiné zdroje - specifikujte	osobní náklady (kofinancování)	3 976 000
Jiné zdroje - specifikujte	spotřební materiál (kofinancování)	24 000

Celkové náklady	**10 000 000**	Kč
Požadované peněžní prostředky	**6 000 000**	Kč
Ostatní zdroje financování	**4 000 000**	Kč

Žadatel stvrzuje, že ke dni podání žádosti nemá finanční závazky po lhůtě splatnosti vůči rozpočtu statutárního města Ostrava a organizacím zřízeným a založeným městem.

Čestné prohlášení žadatele, že ke dni podání žádosti nemá v evidenci daní zachyceny daňové nedoplatky, a to jak v České republice, tak v zemi sídla, místa podnikání, či bydliště žadatele, že nemá nedoplatek na pojistném na veřejném zdravotní pojištění, a to jak v České republice, tak v zemi sídla, místa podnikání, či bydliště žadatele a že nemá nedoplatek na pojistném na sociálním zabezpečení a příspěvku na státní politiku zaměstnanosti, a to jak v České republice, tak v zemi sídla, místa podnikání, či bydliště žadatele.

Žadatel taktéž prohlašuje, že:

a) fyzické osoby uvedené v žádosti byly poučeny o tom, že jejich osobní údaje jsou zpracovávány v souladu s Nařízením Evropského parlamentu a Rady (EU) 2016/679 ze dne 27. dubna 2016 o ochraně fyzických osob v souvislosti se zpracováním osobních údajů a o volném pohybu těchto údajů a o zrušení směrnice 95/46/ES (obecné nařízení o ochraně osobních údajů);

b) jejich osobní údaje budou poskytnuty statutárnímu městu Ostrava za účelem rozhodování o poskytnutí peněžních prostředků z rozpočtu statutárního města Ostravy;

c) bližší a konkrétnější informace související se zpracováním jejich osobních údajů se nacházejí na internetových stránkách statutárního města Ostravy v záložce GDPR.

Žadatel stvrzuje, že projekt schválil a doporučil předložení žádosti na poskytnutí peněžních prostředků z rozpočtu statutárního města Ostravy, stvrzuje pravdivost údajů uvedených v této žádosti včetně údajů a informací uvedených ve všech vložených přílohách této žádosti a souhlasí se zařazením do databáze statutárního města Ostravy.

Datum

Jméno, podpis zástupce(ů)
žadatele, razítko

Salman Quresi – výzkumný záměr

Výzkumný záměr se skládá ze 3 hlavních pilířů:

1) **Socio-ekologicko-technologické systémy**: Výzkum se soustředí na složité interakce mezi sociálními, ekologickými a technologickými systémy.
    - funkčnost, vzájemné propojení a dynamiku, přičemž důraz je kladen na odolnost, spotřebu energie, ekosystémové služby, technologické inovace a udržitelnost
    - cílem je sledovat vývoj těchto systémů v historickém kontextu a analyzovat jejich minulé, současné i budoucí scénáře.
2) **Podpora udržitelných přechodů**: Tato část výzkumu zkoumá způsoby, jak podpořit přechod k udržitelným praktikám, zejména v high-tech průmyslu.
    - ovlivňování lidského chování, materiálové inovace, implementaci vzdělávacích strategií, tvorbu politik a vytváření silných mechanismů řízení.
    - Cílem je aktivně přispět k iniciativám, které podporují přechod k udržitelné ekonomice.
3) **Spoluvytváření udržitelných systémů**: Důraz na spolupráci mezi městy a systémy, přičemž výzkum zahrnuje více zainteresovaných stran.
    - Základem přístupu je transdisciplinární spolupráce, která má zajistit vývoj udržitelných řešení na různých úrovních.

Výzkum je dále zaměřen na následující konkrétní oblasti:

- **Udržitelné přechody a regionální výzvy**: Studie se zaměřuje na problémy udržitelnosti v rychle se rozvíjejících městských oblastech, kde se předpokládá čtyřnásobný růst populace a dvojnásobná poptávka po potravinách do roku 2050.
    - využívání indikátorů, přírodě blízkých řešení a modelování scénářů, aby se řešily otázky jako změna klimatu, energetická krize, zlepšení lidského zdraví a posílení městské odolnosti.
- **Odolná města budoucnosti**: Zkoumání konceptu odolnosti měst v souvislosti s přechody k udržitelnosti, ekosystémovými službami, migračními vzory, zdravím a soutěží o zdroje.
    - využívání pokročilých technologií, včetně "big data", umělé inteligence a GIS.
- **Propojení habitatů a potravinová bezpečnost**: Výzkum zkoumá městské a příměstské oblasti a jejich ekosystémové služby, zejména s důrazem na propojení krajiny a podporu ekologického zemědělství v souladu s klimatickou politikou EU 2030.
- **Neformální osídlení a opuštěné oblasti**: Výzkum se bude zabývat funkčními aspekty neformálních a opuštěných oblastí v rychle se rozvíjejících městech v rozvíjejících se zemích. Současně se bude zabývat výzvami, které představují opuštěné oblasti ve zmenšujících se evropských městech.
- **Občanská věda a přírodě blízká řešení**: Cílem je zapojit veřejnost do udržitelných iniciativ a řešení environmentálních problémů, jako je např. snížení městských tepelných ostrovů.

- CURRICULUM VITAE -

Salman Qureshi

Date of Birth: [redacted]
Address (Private):
Affiliation:
Telephone:
Email:
Residence Status:

Languages

English	Full professional proficiency
German	Working proficiency (B2)
Urdu	Native
Hindi	Native/bilingual proficiency

EDUCATION AND ACADEMIC TRAINING

2012 - 2014 **Postdoc.**, Department of Geography, Humboldt University of Berlin, Berlin, Germany
2011 - 2012 **Postdoc.**, School of Architecture, Birmingham City University, Birmingham, UK
2006 - 2009 **Ph.D.** (Summa cum Laude), Geography (Urban Ecology), University of Salzburg, Austria
Dissertation title: Modelling urban nature in a megacity: A systematized application of urban gradient for ecological investigations (*Best PhD Thesis Award by the International Association for Landscape Ecology)*
2003 **M.Sc.**, Geography, University of Karachi, Pakistan
2000 - 2002 **B.Sc. (Hons.)**, Geography, Mathematics and Physics, University of Karachi, Pakistan

HONOURS AND AWARDS

2022 **Diploma of Excellence** awarded by the Ministry of Education Romania and the Ion Mincu University of Architecture and Urban Planning Bucharest, Romania.
2019 **Sustainability Science Award** by the Ecological Society of America (ESA).
2014 - 2016 **DAAD Chair Professorship**, awarded by the German Academic Exchange Service (DAAD) and the University of Bayreuth, Germany.
2013 **European Young Urban Forester of the Year 2013**, the European Forum on Urban Forestry.
2012 **Foreign Scholar Award**, the United States Regional Association of the International Association for Landscape Ecology (US-IALE).
2012 - 2014 **Humboldt Fellowship** (under Georg Forster Research Fellowship Program), Alexander von Humboldt Foundation, Germany.
2012 - 2013 **Leverhulme Fellowship,** The Leverhulme Trust, UK.
2012 **Who's Who in the World,** Marquis Who's Who, New Providence, NJ, USA (since 29 Ed. 2012).
2011 **Charles Wallace Fellowship,** Charles Wallace Trust, England.
2010 **SAP Award,** International Union of Forest Research Organizations (IUFRO) for an outstanding research paper presented at the IUFRO World Congress, 23-28 August 2010, Seoul, Korea.
2010 **NSF CHANS Fellowship**, International Network of Research on Coupled Human and Natural Systems, Funded by the U.S. National Science Foundation and Michigan State University, USA.
2010 **Award for the Best Ph.D. Dissertation in Landscape Ecology**, International Association for Landscape Ecology, Germany (IALE-D).
2010 - **Nationally Approved Ph.D. Supervisor** (Geography), Higher Education Commission, Pakistan.
2009 - 2011 **Vice President** (Young Geographers), European Association of Geographers (EUROGEO).
2009 **Erasmus Mundus Scholarship** under Education and Culture, Lifelong Learning Program (LLP) of EU; for 'GISLERS Summer School: Bridging GIS, Landscape Ecology and Remote Sensing for Landscape Planning' at the Center for Geoinformatics, University of Salzburg, Austria.
2008 **Erasmus Mundus Scholarship,** European Network for Environmental Assessment and Services under Education and Culture, Lifelong Learning Program of EU; for course 'Lifelong Environmental Raising by GIS', at the Faculty of Engineering, University of Porto, Portugal.
2008 **IUFRO Scholarship Award,** International Union of Forest Research Organizations, funded by the NASA Land-cover/Land-use Change Program, Northern Global Change Program of USDA Forest Service, and others; for presentation at the Landscape Ecology conference in China.

2008 **Special Achievement in GIS Award**, Environmental Systems Research Institute (ESRI, Inc.), Redlands, USA; for "Web GIS of DG, Mines and Minerals, Govt. of N.W.F.P., Pakistan".
2006 - 2009 **North-South Dialogue Scholarship** (for Ph.D.), Austrian Agency for International Cooperation in Education and Research (ÖAD); funded by the Austrian Development Cooperation, Austrian Federal Ministry of Education, Science and Culture and the EU.
2006 **Overseas Scholarship,** Higher Education Commission (HEC) Pakistan, for Ph.D. in Austria.
2006 **Appreciation Award,** Dean, Faculty of Science for the development of GIS based 3D Map of the Botanical Garden, University of Karachi.
2004 **Student Early Career Award**, British Ecological Society (BES), to attend the BES Annual Meeting at Lancaster University, United Kingdom.
2003 **Merit cum Need Scholarship,** University of Karachi, Pakistan. (for M.Sc. studies)

PROFESSIONAL/WORK EXPERIENCE

2023 - **Visiting Lecturer,** Urban Management Program, Centre for Metropolitan Studies, Technical University Berlin, Germany.
2020 - **Senior Consultant (Environment & Sustainability)**, Boreal Light GmbH, Berlin, Germany.
2020 **Research Associate (Overseas),** Department of Natural Sciences and Department of Behavioural Sciences, The University of Michigan-Dearborn, USA.
2016 - 2020 **Senior Scientist/Principal Investigator,** Institute of Geography, Humboldt University Berlin, Germany.
2017 - 2019 **Visiting Faculty Member,** Environmental Studies Program, New York University, Berlin.
2016 - 2017 **Senior Scientist/Project Coordinator (T21),** Integrative Research Institute on Transformations of Human-Environment Systems (IRI THESys), Humboldt University of Berlin, Germany.
2014 - 2016 **Chair Professor,** Bayreuth Centre for Ecology and Environment and Institute of Sport Science (Sport Ecology), University of Bayreuth.
2014 - 2016 **Guest Scientist,** Department of Geography, Humboldt University Berlin, Germany.
2012 - 2014 **Humboldt Research Fellow,** Department of Geography, Humboldt University Berlin, Germany.
2013 - **Research Fellow** (Honorary)**,** School of Architecture, Birmingham City University, UK.
2012 - 2013 **Leverhulme Research Fellow**, School of Architecture, Birmingham City University, UK (Funded by the Leverhulme Trust Fellowship).
2011 **Visiting Research Fellow,** School of Architecture, Birmingham City University, UK (Funded by the Charles Wallace Trust Fellowship).
2010 **Visiting Faculty Member,** National Centre for Remote Sensing and GIS, Institute of Space Technology, Karachi, Pakistan.
2010 - 2011 **Assistant Professor,** Department of Geography, University of Karachi.
2008 - 2009 **GIS Specialist,** Data2Map GmbH, Salzburg, Austria/Frankfurt, Germany.
2006 - 2009 **Research Assistant**, Research Group for Urban and Landscape Ecology, Department of Geography and Geology, University of Salzburg, Austria (ÖAD Ph.D. Scholar).
2005 - 2007 **Co-Lecturer,** Department of Geography, University of Karachi, Pakistan.
2004 - 2005 **GIS Consultant,** Ioxphere Technologies (Pvt.) Ltd., Karachi, Pakistan; Sister-concern Company of Xorbix Technologies, Inc. USA.
2003 - 2004 **GIS Analyst,** Osmani & Company (Pvt.) Ltd., Karachi, Pakistan

CONTINUING EDUCATION (Further relevant training/qualifications)

2023 **Machine Learning and AI Foundations - Clustering and Association:** LinkedIn Learning
2023 **Spatial Data Science: The New Frontier in Analytics**: MOOC, ESRI, Redlands, USA.
2023 **Sustainable and ESG Supply Chains**: LinkedIn Learning
2023 **Generative Artificial Intelligence**: LinkedIn Learning
2020 **The Location Advantage**: MOOC, Environmental Systems Research Institute, Redlands, USA.
2020 **Cartography**: MOOC, Environmental Systems Research Institute, Redlands, USA.
2014 **Allotment Gardens in European Cities (Summer School):** Department of Geography and Geology, University of Salzburg, Funded by the EU COST Action.
2009 **GISLERS Summer School:** Bridging GIS, Landscape Ecology and Remote Sensing for Landscape Planning. Center for Geoinformatics, University of Salzburg, Austria.
2007 **FRAGSTATS, Analysis of Landscape Patterns**: Alterra Center, University of Wageningen, The Netherlands. (Instructor: Prof. Kevin McGarigal, University of Massachusetts, USA).
2006 **Customization and VBA Programming in ArcGIS**: Department of Geography, University of Karachi, Karachi, Pakistan.
2005 **Remote Sensing and Satellite Image Processing**: Center for Continuing Engineering Education (CCEE), NED University of Engineering and Technology, Karachi, Pakistan.

RESEARCH DOMAIN

Thematic foci

- Urbanization and complexity of Socio-Ecological-Technological Systems (SETS)
- Sustainability transitions and innovative solutions for wellbeing
- Climate change, ecosystem services, and applied remote sensing
- Urban biodiversity and nature-based solutions
- Environmental cognition and landscape design

Main research thrust

My research is dedicated to addressing the intricate challenges at the nexus of Human-Environment-Sustainability dynamics. I apply a geographic perspective and expertise in GIS and spatial data analytics to address compelling interdisciplinary questions. These include sustainability transitions, political ecology, urban resilience, climate change, valuation of urban ecosystem services, nature-based solutions, urban dynamics, and the spatial representation of complex socio-ecological problems in multicultural environments spanning the Global South and the North. More precisely, my research is distinctly interdisciplinary, focusing on the human dimensions of urbanization and their impact on urban ecosystems, socio-ecological complexities, and development challenges. I investigate the consequences of these dynamics on the provision and regulation of ecosystem services. My research approach combines both theoretical and empirical methods, placing a strong emphasis on conceptual modelling, spatial analysis (GIS), quantitative techniques, and qualitative approaches, all of which are essential for conducting comprehensive sustainability studies within urban landscapes.

My research addresses a broad spectrum of questions related to the examination of socioecological processes intertwined with urban dynamics, particularly within the field of land change science. I explore the structure-function relationships of socio-ecological systems in urban and peri-urban environments. Additionally, I have delved into the conceptual modelling of urban structures, their utilization, and perception within multicultural communities, with a particular focus on urban green infrastructure and its governance within varying scenarios of conflict. Furthermore, my work aims to pioneer new transdisciplinary paradigms and management tools for urban nature conservation, with the overarching goal of supporting social health and well-being. In my recent research, I have integrated unique ecological principles, remote sensing/GIS, and machine learning techniques with social science methods, including perception analyses and big data/social media data analyses. This combination of approaches allows me to explore a wide range of overarching research questions, helping to decipher the dynamics of urban systems.

My commitment lies in developing transdisciplinary methodologies that simplify socio-ecological frameworks for studying the transformation and governance of urban systems. Therefor pluralism and scale-multiplicity are the cornerstones of my research philosophy. I am enthusiastic about constructing conceptual models for the dynamics of coupled natural and human systems, such as resource competition, urban governance, built structures, stress factors, urban thermal/climatic conditions, and political ecology. I seek to transcend conventional scientific research methods by developing adaptable transdisciplinary research frameworks suitable for diverse physical and social conditions. An emerging area of my research focuses on unprecedented migration, particularly in European and South Asian cases. I examine the socio-spatial inequalities and the multicultural urban landscapes resulting from this movement. For example, I explore how resource competition within Global South can be addressed through informal initiatives and technological innovations. My research has taken me to all five continents, where I have developed methodologies for comparative case studies across Europe (Austria, Germany, United Kingdom), Asia (China, Pakistan, India, Malaysia, Vietnam, Iran), Latin America (Argentina, Colombia), Africa (Rwanda), and North America (Detroit, New York). This breadth of experience provides me with a holistic perspective on how humans interact with, perceive, modify, and adapt their environments within distinct cultural and regional settings, especially in the context of sustainability transitions.

PROJECTS

A. Extramural grants (including international/multilateral projects)

2025 - 2026 Socio-ecological characteristics and performance of urban centres, an ecosystem services approach. With Prof. Richard Coles at the Birmingham City University. Arts and Humanities Research Council, UK, £295,000. (PI) *pending submission*.

2025 - 2026 ACTIVE ALLEY: Alley activation as an improvised resilience strategy for post-industrial cities.With Prof. Paul Draus at the University of Michigan-Dearborn. Science for Nature and People Partnership (SNAPP), USA, US$200,000. (HU-PI/Co-Lead). *under review*

2020 - 2022 Green space, urban resilience and health: An intercontinental cross-sectional study in Detroit/USA, Kigali/Rwanda, Karachi/Pakistan and Berlin/Germany. University of Michigan USA, Rwanda resilience and grounding Organisation (RRGO) Rwanda, and HU Berlin Collaborative Research Funding, $95,000; HU Share: €44000. (HU-PI)

2020 - 2021 Trauma, green space and mental health in Kigali City, Rwanda: A multi-method comparative study with implications for Detroit. Poverty Solution Grants, African Studies Centre, The University of Michigan USA, $10,000. (Co-PI)

2019 - 2020 Green space, health and quality of life in Detroit and Berlin: Developing interdisciplinary tools for rapid assessment – Phase II. The University of Michigan and Humboldt University of Berlin Collaborative funding on Applications of Cooperative Research in the Social Sciences, $95,000. (HU-PI)

2019 - 2022 Mechanism of social emotions and their spatial heterogeneity in complex urban systems. The National Natural Science Foundation of China, Grant No. 41871153. PI: Dr. Zhifang Wang, Peking University. SQ as External Overseas Scientist, €100,000.

2016 - 2018 Green space, health and quality of life in Detroit and Berlin: Developing interdisciplinary tools for rapid assessment. The University of Michigan and Humboldt University of Berlin Collaborative funding on Applications of Cooperative Research in the Social Sciences, $116,000. (HU-PI)

2012 - 2015 EcoFlow - Spatial land-use changes and their ecological impacts in megacities exemplified at Karachi – A challenge for investigating socio-environmental flows. Funded by the Alexander von Humboldt Foundation, Germany, €155,000. (PI)

2012 - 2013 Urban development in fast-growing Asian megacities: evaluating ecosystem services to provide urban comfort and reduce risks. Funded by the Eurasia-Pacific Uninet, €10,000. (Co-PI)

2012 - 2013 Spatial perspective to sustainable regeneration: The dynamics of future scenarios of ecosystem services for wellbeing. Funded by the Leverhulme Trust, UK, £30,000. (PI)

2010 - 2011 Landscape ecology and dynamics of urban ecosystems. Funded by the Higher Education Commission, Pakistan, PKR 500,000. (PI)

2010 - 2011 A study on the role of spatial technology in the sustainable management of land resources in Pakistan. Funded by the UNDP and Ministry of Environment, Pakistan, PKR 500,000. (Co-PI)

2006 - 2009 Geo-ecological modelling of the green landscape in Karachi through Remote Sensing and GIS techniques. Funded by the Austrian Development Cooperation, Ministry of Science and Education Austria and European Commission. Grant for a research project leading to Ph.D. at the University of Salzburg, Austria, €55,000. (Principal Researcher)

B. Intramural grants

2007 - 2008 An appraisal of the green spaces in Karachi through remote sensing techniques: A social audit to explore the associated impacts. Dean, Faculty of Science, University of Karachi, Pakistan, PKR 60,000. (Co-PI)

2006 - 2007 Monitoring wetlands of lower Sindh through SRS techniques. Dean, Faculty of Science, University of Karachi, Pakistan, PKR 60,000. (Co-PI)

2006 Development of GIS based 3D map of Botanical Garden. Directorate of Botanical Garden, University of Karachi Pakistan, PKR 53,000.

2005 - 2006 Monitoring the impacts urban growth on vegetation intensity in Karachi; using RS and GIS techniques. Dean, Faculty of Science, University of Karachi, Pakistan, PKR 60,000. (Co-PI)

C. Consultancy

2008 - 2009 Development of European postcode maps (one and two digits post code maps). data2map GmbH, Frankfurt, Germany/Salzburg, Austria.

2008 Global, regional and European map production in GIS; optimized for graphic-artists and designers. data2map GmbH, Frankfurt, Germany/Salzburg, Austria.

2008 A comprehensive sustainable landscape design for the Shahra-e-Faisal Karachi, Pakistan. Osmani and Company Pvt. Ltd., Pakistan.

2008 Web-based GIS development (web using ESRI's ArcSDE and ArcIMS) for the Department of Mines and Mineral, N.W.F.P. Pakistan. Engineering Consultant International Ltd., Pakistan.

2006 Place-name-Attributes survey of Karachi: Interpretation of satellite images, identification and database development of landmarks in UCs of Karachi. Osmani and Company Pvt. Ltd., Pakistan.

2003 - 2004 GIS mapping (at 1:50000 scale) and geodatabase of Pakistan. Osmani and Company (Pvt.) Ltd.

D. Contribution in projects (In design/proposal, execution and/or reports)

2011 Sustainable regeneration: From evidence-based urban futures to implementation. Funded by the Engineering and Physical Sciences Research Council (EPSRC), United Kingdom, £4 million.

2009 Geographic Information Science: Concepts and methods for linking the real and virtual worlds. Funded by the Austrian Science Fund (FWF) DK-Plus program, €9 million

E. Other grants

I have received several external grants for field work and travel/presentations at international conferences by following esteemed organizations (other than university invitations).

- ERASMUS+ Fellowship in European Commission's staff exchange scheme (4 grants) during 2017-2020.
- Alexander von Humboldt Foundation, Germany
- Austrian Agency for International Cooperation in Education and Research (ÖAD)
- British Ecological Society (BES)
- Capital Normal University, Beijing, China
- Eurasia-Pacific Uninet, Austria
- EU COST (European Cooperation in Science and Technology) Action Trainee Grant
- EU Erasmus Program (multiple grants)
- European Association of Geographers (EUROGEO)
- Engineering and Physical Science Research Council (EPSRC), UK (*under Urban Futures project at BCU*)
- HERODOT Network, funded by the European Commission
- Higher Education Commission (HEC), Pakistan
- International Association for Landscape Ecology (IALE)
- International Network of Research on Coupled Human & Natural Systems (CHANS-Net), by the NSF USA
- International Union for Forest Research Organization (IUFRO)
- The Ministry of Regional Municipalities and Water Resources, The Sultanate of Oman
- United States Regional Association of the IALE (US-IALE)
- URBIO Network (as a part of United Nations Convention on Biological Diversity)

PROFESSIONAL SERVICE AND LEADERSHIP

A. Service and leadership in professional societies and institutions

- *Executive Committee*, Society for Urban Ecology (SURE), 2016 - 2023
- *Executive Board Member*, China Center for Urban Ecology (CCUE), 2014 -
- *Secretary General*, Society for Urban Ecology (SURE), 2011-2016
- *Vice President (Young Geographers)*, European Association of Geographers (EUROGEO), 2009-2011
- *Treasurer (Founding Member)*, Society for Urban Ecology (SURE), 2009-2011
- *Member*, ISPRS Commission VII: WG VII/5 - Methods for Change Detection and Process Modelling, 2009
- *Member*, ISPRS Commission III: ICWG III/VII - Pattern Recognition for Remote Sensing, 2009

B. Editorial services for scholarly journals

- *Editorial Board,* Nature Scientific Reports, 2022 –
- *Associate Editor,* Frontiers in Environmental Science, Switzerland, 2021 –
- *Associate Editor,* Remote Sensing, MDPI Switzerland, 2019 –
- *Associate Editor*, Urban Ecosystems, Springer, 2010 –
- *Associate Editor/Editorial Board*, Landscape Ecology, Springer, 2016 - 2021
- *Editorial Advisor*, Change and Adaptation in Socio-Ecological Systems (CASES), 2013 -
- *Executive Editor*, Journal of Geography and Natural Disasters, 2012 –
- *Editorial Board Member*, Journal of Geography and Regional Planning, 2012 –
- *Associate Editor-in-Chief*, Ecological Processes, SpringerOpen, 2013 - 2016
- *Editorial Board*, Ecological Processes, SpringerOpen, 2016 - 2018
- *Editorial Board Member*, Review of International Geographical Education Online (RIGEO), 2011 - 2013
- *Editorial Board Member*, Journal of Geography and Geology, 2009 - 2012
- *Editorial Board Member*, Journal of Sustainable Development, 2009 - 2012

C. Services as reviewer/referee

C.1 Scholarly journals (not updated)

- AMBIO, A Journal of Human Environment, Springer
- Arabian Journal for Science and Engineering, Springer
- Atmospheric Research, Elsevier
- Applied Geography, Elsevier
- Climate Change, Springer
- Atmospheric Environment, Elsevier
- African Journal of Agricultural Research
- BMC Research Notes, BioMed Central
- British Journal of Environment and Climate Cha
- City, Culture and Society, Elsevier

- Current Opinion in Sustainability, Elsevier
- Ecological Economics, Elsevier
- Ecological Indicators, Elsevier
- Ecological Processes, Springer
- European Journal of Geography (EUROGEO)
- Environment, Development and Sustainability, Springer
- Global Environmental Change, Elsevier
- Frontiers in Ecology and Environment, Wiley/ESA
- Human Ecology, Springer
- International Journal of Image and Data Fusion, T&F
- Int'l J. of Water Resources & Environmental Eng.
- Journal of Cleaner Production, Elsevier
- Journal of Geography and Natural Disasters
- Journal of Sustainable Development
- Landscape Ecology, Springer
- Land Use Policy, Elsevier
- Review of Int'l Geographical Education Online
- Proceedings of Pak Academy of Sciences
- Remote Sensing, MDPI
- Science
- Scientific Reports, Nature
- Sustainable Cities and Society, Elsevier
- Urban Forestry and Urban Greening, Elsevier
- Ecological Modelling, Elsevier
- Ecosystem Services, Elsevier
- Environmental Engineering & Management
- Environmental Science and Policy, Elsevier
- Global and Planetary Change, Elsevier
- Frontiers in Environmental Science
- Frontiers in Ecology and Evolutions
- IEEE Trans. on Geoscience and Remote Sensir
- Int'l Journal of Remote Sensing, T&F
- ISPRS J. Photo. & Remote Sens, Elsevier
- Journal of Basic and Applied Sciences
- Journal of Geography and Geology
- Journal of Geography and Regional Planning
- Landscape and Urban Planning, Elsevier
- Landscape Research, Taylor and Francis
- Open Journal of Ecology
- Open Journal of Forestry
- PLOS ONE
- Sustainability, MDPI
- Science of the Total Environment, Elsevier
- Social Indicators Research, Springer
- Urban Ecosystems, Springer

C.2 Book proposals

- Elsevier S&T Books, Sustainability Science, Elsevier Science Ltd., UK
- Landscape Architecture and Built Environment Research, Routledge (Taylor and Francis), UK
- Ecology in Brief, Book Series, Springer, USA
- Encyclopaedia of Sustainability, Berkshire Publishing, USA
- Human-Environmental Interactions in Cities, Cambridge Scholars Publishing, UK

C.3 Research grant proposals

- European Research Council (ERC), Executive Agency, European Commission, Panel SH7 on Human Mobility Environment and Space
- French National Research Agency (ANR), Panel on Interactions Humains-Environnement, France
- Netherlands Organisation for Scientific Research/Dutch Research Council (NWO), Earth and Life sciences division, The Netherlands
- LE STUDIUM Loire Valley Institute for Advanced Studies, Orléans, France
- *Member, Peer Review College*, Natural Environmental Research Council (NERC), United Kingdom
- *Member, Peer Review College*, Economic and Social Research Council (ESRC), United Kingdom
- Higher Education Commission (HEC), Pakistan

D. International advisory panels

- *Co-Chair*, Urban Environment Working Group of the Digital Belt and Road (DBAR-Urban), An international Science Platform for the Sustainable Development of the Belt and Road Region Using Big Earth Data, Chinese Academy of Sciences, 2021 -
- *Expert Panel Member*, Sustainable regeneration: from evidence-based urban futures to implementation. A £4.2 million grant from the Engineering and Physical Sciences Research Council (EPSRC), UK
- *Expert Panel Member/Reviewer*, Young Researchers' Forum at GI-Forum, 3-6 July 2012, Salzburg, Austria
- *Panel Member*, Katerva (For a Sustainable Tomorrow) Awards – Urban Design Category, 2012 -

E. Organizing Committees (incl. Session Chair) of international conferences

- *Scientific Committee*: 3rd Congress of the Society for Urban Ecology, 7-9 July 2021, Poznan, Poland.
- *Session Chair:* Redefining cities under stress: Urban resilience, regeneration and self-reliant systems. 3rd Congress of the Society for Urban Ecology, 7-9 July 2021, Poznan, Poland.
- *Program Chair:* First South Asian SURE Conference, 18-22 Jan. 2017, Karachi, Pakistan.
- *Session Chair:* Urban Ecosystem Services, Landscape and Perception. First South Asian Society for Urban Ecology Conference, 18-22 January 2017, Karachi, Pakistan.
- *Session Chair:* Ecosystem services and nature-based solutions in urban areas. 2nd SURE World Congress, 8-10 July 2016, Shanghai, China.
- *Conference Secretary*: 2nd Congress of the Society for Urban Ecology, 8-10 July 2016, Shanghai, China.
- *Session Chair:* Biodiversität urbaner Ökosysteme –Stabilität durch Diversität? Von der Theorie über Leitbilder und zur Managementpraxis. In: IALE-D Annual Conference, 15-17 October 2014, Bozen, Italy.
- *Advisory Committee*: First Pakistan Student Conference, 30 November 2013, Kiel, Germany.

- *Session Chair*: Modelling of urban ecosystems – new approaches. In: 1st Congress of the Society for Urban Ecology (SURE), 25-27 July 2013, Berlin, Germany.
- *Conference Chair*: 1st Congress of the Society for Urban Ecology, 25-27 July 2013, Berlin, Germany.
- *Organizing Committee*: European IALE Conference: "European Landscapes in Transformation - Challenges for Landscape Ecology and Management", 12-16 July, 2009, Salzburg, Austria.
- *Organizing Committee*: International Conference on Quality of Urban Landscape; Indicators, Planning and Perspectives, 29-30 June 2007, Salzburg, Austria.

Memberships

A. Professional Societies

- Ecosystem Services Partnership (ESP), 2013 -
- Society for Urban Ecology (SURE), 2009 -
- EARSeL (European Association of Remote Sensing labs.); SIG: Urban Remote Sensing, 2007 -
- International Association for Landscape Ecology (IALE), 2004 -
- The International Association for Ecology (INTECOL), 2007-
- Int'l Union of Forest Research Organizations (IUFRO); Intl. WG on Forest Landscape Ecology, 2008 -
- Remote Sensing and Photogrammetry Society (RSPSoc), 2013 - 2017
- National Academy of Young Scientists (NAYS), Pakistan, 2012 - 2020
- European Association for Landscape Ecology (EALE), 2009
- European Association of Geographers (EUROGEO), 2009 - 2011
- Association of Professional Landscape Designers (APLD), 2009 - 2011
- International Society of Environmental Information Science (ISEIS), 2007 - 2010
- Pakistan Society of Geographic Information Systems (PSGIS), 2004 - 2006
- European Geography Association for Students and Young Researchers (EGEA), 2007-2009

PUBLICATIONS

Summary

Books	04	Citations	> 6500
Journal Special Issues (edited)	10	h-index	38
Refereed Journal articles (published)	94	i10-index	69
Refereed Journal articles (in review)	07		
Conference papers	07		
Conference abstracts	23		
Total	**145**		

A. Books and special issues of journals

1. Wang, Z., **Qureshi, S.**, Lin, G., Almahood, M., and Cheng, W. (Guest Editors) (2024). Special Issue: Green Space Planning, Design and Governance for Enhanced Human Wellbeing, second edition. ***Land*** (MDPI, Switzerland). https://www.mdpi.com/journal/land/special_issues/V7SV2PKY3K.

2. Bezerra, D Silva, Frajzadeh, R., Li, J. and **Qureshi, S.** (Guest Editors) (2024 – in progress). Special Issue: Nature-based Solutions to Climate Change. ***Nature Scientific Reports*** (Nature Portfolio).

3. Breuste, J., Artmann, M., Ioja, C., and **Qureshi, S.,** (Editors) (2023). Making green cities – concepts, challenges and practice, Second Edition, Springer Nature Switzerland AG. https://link.springer.com/book/10.1007/978-3-030-73089-5.

4. Draus, P., Haase, D., Haase, A., **Qureshi, S.**, and Napieralski, J. (Guest Editors) (in progress). Special Issue: Greenways as a Sustainable Urban Planning Strategy. ***Sustainability*** (MDPI, Switzerland).

5. Wang, Z., **Qureshi, S.**, Lin, G., Almahood, M., and Cheng, W. (Guest Editors) (2023). Special Issue: Green Space Planning, Design and Governance for Enhanced Human Wellbeing. ***Land*** (MDPI, Switzerland). https://www.mdpi.com/journal/land/special_issues/green_space.

6. Wang, H-F, Harris, A.J. and **Qureshi, S.** (Guest Editors) (2022). Special Issue: Distribution Patterns, Driving Mechanisms and Ecological Service Functions of Urban Plant Biodiversity. ***Frontiers in Ecology and Evolution*** (Frontiers Media, Switzerland). https://www.frontiersin.org/research-topics/26748/.

7. **Qureshi, S.** (Guest Editor) (2020). Special Issue: Urban landscapes and globalization: monitoring and modelling using remote sensing. ***Remote Sensing*** (MDPI, Switzerland). https://www.mdpi.com/journal/remotesensing/special_issues/Urban_Landscapes.

8. Breuste, J., Artmann, M., Ioja, C., and **Qureshi, S.,** (Editors) (2020). Making green cities – concepts, challenges and practice, Springer Nature Switzerland AG. https://www.springer.com/9783030377151.

9. **Qureshi, S.,** and Rademacher, A. (Guest Editors) (2019). Special Issue: From structures to functions of fast growing multicultural urban landscapes: multidisciplinary theory and methods. ***Urban Ecosystems*** (Springer, USA), Vol. 22 (1), pp: 1-115.

10. **Qureshi, S.,** and Haase, D. (Guest Editors) (2014). Special Issue: Contemporary concepts and novel methods fostering indicator-based approaches in urban ecological studies. ***Ecological Indicators*** (Elsevier Ltd.). Vol. 42, pp: 1-159.

11. **Qureshi, S.,** and Haase, D. (Guest Editors) (2014). Special Issue: Urban Landscapes – From Patterns to Processes. ***Ecological Processes*** (Springer, USA) http://www.ecologicalprocesses.com/series/ULPP.

12. **Qureshi, S.,** Haase, D., and Kabisch, N. (Editors) (2013). Proceedings of the First Congress of the Society for Urban Ecology (SURE), 25-27 July 2013, Berlin, Germany. 203 pp.

13. Kazmi, S.J., **Qureshi, S.**, Shaikh, S. (2013). Role of Spatial Technology in Sustainable Management of Land Resources. SLMP, Ministry of Environment, Government of Pakistan. 98 pp.

14. Breuste, J., **Qureshi, S.,** and Li, J. (Guest Editors) (2013). Special Issue: Applied Urban Ecology for Sustainable Urban Environment. ***Urban Ecosystems*** (Springer, USA). Vol. 16, Issue 4, pp: 675-886.

B. Refereed journal articles and book chapters

Under review

15. Shirazi, S. A., **Qureshi, S.**, Haase, D., Coles, R., Breuste, J., and Alam, R.. Designing green spaces for the provision of cultural ecosystem services evaluated by public perception in planned neighbourhoods of Lahore, Pakistan. ***Ecosystem Services*** (Elsevier Ltd., UK).

16. Nizamani, M.M., Hughes, A.C., **Qureshi, S.**, Zhang, Q., Tarafder, E., Das, E., Acharya, K., Wang, Y., Zhang, Z.-G. Climate extremes and socioeconomic impacts of El Niño and La Niña events. ***Science of the Total Environment*** (Elsevier, Germany).

17. Habimana, S., Draus, P., **Qureshi, S.**, Roddy, J.K., Biracyaza, E., Eugene, R., Lacey, K., and Montgomery, S. Green Space and Mental Wellbeing in Kigali City, Rwanda: An Exploratory Mixed-Method Study. ***Cities*** (Elsevier Ltd., UK).

18. McCaffrey, P., **Qureshi, S.**, and Draus, P.. Deindustrialization and environmental justice across post-traumatic cities: A review focusing revitalization and greening initiatives. ***Sustainable Cities and Society*** (Elsevier Ltd., UK).

19. Gahnabrei, A., Feizizadeh, B., Isazadeh, V., and **Qureshi, S.**. Investigating the impacts of droughts and environmental degradation on the sustainability of urban environment: An integrated geoinformation approach to study five urban centers in Urmia lake region, Iran. ***Earth Science Informatics*** (Springer, USA).

20. Tarashkar, M., Rahimi, and **Qureshi, S.**. AI-Driven Insights into Urban Agriculture: Using YouTube Data to Promote Social Resilience and Self-Sufficiency. ***Sustainable Cities and Society*** (Elsevier, Germany).

21. Firozjaei, M.K., Mijani, N., Shorabeh, S.M., Kazemi, Y., **Qureshi, S.,** Kiavarz, M., and Alavipanah, S.K. Assessing the effect of urban growth on surface ecological status using multi-temporal satellite imagery: A multi-city analysis in Iran. ***Urban Climate*** (Elsevier Ltd., UK).

Published

22. Nizamani, M.M., Hughes, A.C., **Qureshi, S.**, Zhang, Q., Tarafder, E., Das, E., Acharya, K., Wang, Y., Zhang, Z.-G. (2024). Microbial biodiversity and plant functional trait interactions in multifunctional ecosystems. ***Applied Soil Ecology*** (Elsevier, Germany), Vol. 201, pp: 105515. https://doi.org/10.1016/j.apsoil.2024.105515.

23. Nasar-u-Minallah, M., Haase, D., and **Qureshi, S.** (2024). Evaluating the impact of landscape configuration, patterns and composition on land surface temperature: an urban heat island study in the

megacity Lahore, Pakistan. ***Environmental Monitoring and Assessment*** (Springer, Switzerland), Vol. 196, pp: 627. https://doi.org/10.1007/s10661-024-12758-0.

24. Tarashkar, M., **Qureshi, S.**, and Rahimi, Exploring perceptions, cognitive factors, and motivations: A study on green structures on residential rooftops (2024). ***Urban Forestry and Urban Greening*** (Elsevier, Germany), Vol. 96, pp: 128356. DOI: https://doi.org/10.1016/j.ufug.2024.128356.

25. Tarashkar, M., **Qureshi, S.**, Matloobi, M., Rahimi, A., and Wang, Z. (2024) Public perceptions towards urban horticulture in front-yard greenhouses: Unveiling ecosystem services and practices for sustainable and resilient city. ***Sustainable Futures*** (Elsevier, Germany), Vol. 7, pp: 100205. DOI: https://doi.org/10.1016/j.sftr.2024.100205.

26. Khosravian, J., **Qureshi, S.**, Rostamzadeh, S., Moradi, B., Derakhshesh, P., Yousefi, S., Jamali, K., Ahmadi, R., and Nickravesh, F. (2024). Evaluating the feasibility of constructing shopping centers on urban vacant land through a spatial multi-criteria decision-making model. ***Frontiers in Sustainable Cities***, Vol. 6, pp: 1373331. doi: 10.3389/frsc.2024.1373331.

27. Alsubhi, Y., **Qureshi, S.**, and Siddiqui, H.S. (2023) A New Risk-Based Method in Decision Making to Create Dust Sources Maps: A Case Study of Saudi Arabia. ***Remote Sensing*** (MDPI, Switzerland), Vol. 15, pp: 55193, https://doi.org/10.3390/rs15215193.

28. Nasar-u-Minallah, M., Haase, D., **Qureshi, S.,** Zia, S., and Fatima, M. (2023). Ecological monitoring of urban thermal field variance index and determining the surface urban heat island effects in Lahore, Pakistan. ***Environmental Monitoring and Assessment*** (Springer, Switzerland), Vol. 195, pp: 1212.

29. Tarashkar, M., Matloobi, M., **Qureshi, S.**, and Rahimi, A. (2023). Assessing the growth-stimulating effect of tea waste compost in urban agriculture while identifying the benefits of household waste carbon dioxide. ***Ecological Indicators*** (Elsevier, Germany), Vol. 151, pp: 110292.

30. Wang, H.-F., Harris, A.J., **Qureshi, S.**, and Zhou, J.J. (2023). Distribution patterns, driving mechanisms and ecological service functions of urban plant biodiversity. ***Frontiers in Ecology and Evolution***, Vol. 11, pp: 1114845. doi: 10.3389/fevo.2023.1114845.

31. Mokhtari, Z., Amani-Beni, M., Asgarian, A., Rosso, A., **Qureshi, S.,** and Karami, A. (2023). Spatial prediction of the urban inter-annual land surface temperature variability: An integrated modeling approach in a rapidly urbanizing semi-arid region. ***Sustainable Cities and Society*** (Elsevier, Germany), Vol: 93, pp:104523.

32. Wang, Z., Jian, Y., Huang, Z., **Qureshi, S.**, Cheng, K., Bai, Z., and Zhang, Q. (2023) Transforming studies of recreational ecosystem services into applications and governance. ***Land***, Vol. 12(2), 509. https://doi.org/10.3390/land12020509.

33. Haq, M., Iqbal, M.J., Alam, K., Huang, Z., Blaschke, T., **Qureshi, S.**, and Muhammad, S. (2023) Assessment of Runoff Components of River Flow in the Karakoram Mountains, Pakistan, during 1995–2010. ***Remote Sensing*** (MDPI, Switzerland) Vol. 15, pp: 399. https://doi.org/10.3390/rs15020399.

34. Alavipanah, S.K., Firozjaei, M.K., Sedigi, A., Fathololoumi, S., Gomeh, Z., Naghdizadegan, Gomeh,Z., M., Arsanjani, J.J., Makki, M., **Qureshi, S.,** Weng, Q., Haase, D., Pradhan, B., Biswas, A., Atkinson, P.M. (2022). The shadow effect on surface biophysical variables derived from remote sensing: a review. ***Land***, Vol. 11(11), 2025, https://doi.org/10.3390/land11112025.

35. Alsubhi, Y., **Qureshi, S.**, Assiri, M.E., Siddiqui, H.S. (2022) Quantifying the impact of dust sources on urban physical growth and vegetation status: A case study of Saudi Arabia. ***Remote Sensing*** (MDPI, Switzerland), Vol. 14 (22), pp: 5701, https://doi.org/10.3390/rs14225701.

36. **Qureshi, S.**, Matloobi, M., Tarashkar, M., Wang, Z., and Rahimi, A. (2022). Understanding the dynamics of urban horticulture by socially-oriented practices and populace perception: Seeking future outlook through a comprehensive review. ***Land Use Policy***, Vol. 122, pp: 106398 (Elsevier, Germany).

37. Mijani, N., Firozjaei, M.K., Mijani, M., **Qureshi, S.,** Arsanjani, J.J., and Alavipanah, S.K. (2022) Exploring the effect of COVID-19 pandemic lockdowns on urban cooling: A multi-city analysis. ***Advances in Space Research*** (Elsevier Ltd., UK), https://doi.org/10.1016/j.asr.2022.09.052 .

38. Mokhtari, Z., Barghjelveh, S., Sayahnia, R., **Qureshi, S.,** and Rosso, A. (2022). Dynamic and Heterogeneity of Urban Heat Island: A Theoretical Framework in the Context of Urban Ecology. ***Land*** (MDPI, Switzerland), Vol: 11, pp: 1155, https://doi.org/10.3390/land11081155.

39. Cui, J.-P., **Qureshi, S.**, Harris, A.J., Jim, C.Y., and Wang, H. (2022). Old and valuable trees of Wuzhishan, a tropical city in Hainan, China: distributional patterns and their drivers. ***Urban Ecosystems*** (Springer, USA), https://doi.org/10.1007/s11252-022-01266-z.

40. Mokhtari, Z., Barghjelveh, S., Sayahnia, R., **Qureshi, S.,** and Rosso, A. (2022). Dynamic of spatial pattern and connectivity of green heat sink using patch- and network-based analysis: implication for urban temperature alleviation. ***Sustainable Cities and Society*** (Elsevier, Germany), Vol: 83, pp: 103964, https://doi.org/10.1016/j.scs.2022.103964.

41. Wang, Z., Fu, H., Jian, Y., **Qureshi, S.,** Jie, H., and Wang, L. (2022). Evaluation of park landscape services using Importance-Performance Analysis (IPA) method: a comparative study integrating social media and field survey data in Guangzhou City, China. ***Ecosystem Services*** (Elsevier Ltd., UK), Vol. 56, *pp:101446,* https://doi.org/10.1016/j.ecoser.2022.101446.

42. Chen, S., Karimi, M.K., **Qureshi, S.,** and Hasse, D. (2022) Integrated land use and urban function impacts on land surface temperature: Implications on urban heat mitigation in Berlin with eight-type spaces. ***Sustainable Cities and Society*** (Elsevier Ltd., UK)**,** Vol. 80, pp:103944, https://doi.org/10.1016/j.scs.2022.103944.

43. Lu, L., **Qureshi. S.,** Li, Q., Chen, F., and Shu, L. (2022). Monitoring and projecting sustainability transitions in urban land use using remote sensing and scenario-based modelling in a coastal megacity. ***Ocean and Coastal Management*** (Elsevier Science Inc., USA), Vol. 224, pp: 106201, https://doi.org/10.1016/j.ocecoaman.2022.106201.

44. Baqa, M.F., Lu, L. Chen, F., Huda, S., Pan, L., Tariq, A., **Qureshi, S.**, Li, B., Li, Q. (2022) Characterizing spatiotemporal variations in the urban thermal environment related to land-cover changes in Karachi, Pakistan from 2000 to 2020. ***Remote Sensing*** (MDPI, Switzerland), Vol. 14, Issue 9, pp: 2164; https://doi.org/10.3390/rs14092164.

45. Linyuan, G.**,** Nizamani, M.N., Harris, A.J., Lin, Q., Belfour, K., Da, L.J., **Qureshi, S.** and Wang. H. (2022). Socio-ecological effects on the patterns of non-native plant distributions on Hainan island. ***in Ecology and Evolution***, Vol. 10, pp: 838591, https://doi.org/10.3389/fevo.2022.838591.

46. **Qureshi S.**, Koohpayma, J., Firozjaei, M.K., and Kakroodi, A.A. (2022). Evaluation of seasonal, drought, and wet condition effects on the accuracy and precision of satellite-based precipitation data over different climatic conditions in Iran. ***Remote Sensing*** (MDPI, Switzerland) Vol. 14, Issue 1, pp: 76. https://doi.org/10.3390/rs14010076.

47. Chen, S., Haase, D., Xue, B., Wellmann, T., and **Qureshi, S.** (2021). Integrating quantity and quality to assess urban green space improvement and planning practices in the compact city. ***Land***, Vol. 10, pp: 1367. https://doi.org/10.3390/land10121367.

48. Cheng, X., Nizamani, M.N., Belfour, K., **Qureshi, S.,** Liu, S., Zhu, Zi., Wu.,S. and Wang, H. (2021). Response of urban tree DBH to fast urbanization: Case of coastal Zhanjiang in south China. ***Urban Ecosystems*** (Springer, USA), https://doi.org/10.1007/s11252-021-01167-7.

49. Wang, X.-J., Liu, G., Xiang, A., **Qureshi, S.,** Li, T., Song, D., and Zhang, C. (2021). Quantifying the human disturbance intensity of ecosystems and its natural and socioeconomic driving factors in urban agglomeration in South China. ***Environmental Science and Pollution Research*** (Springer, USA)**,** Vol. 29, pp:11493-11509, https://doi.org/10.1007/s11356-021-16349-1.

50. Baqa, M.F., Lu, L., **Qureshi, S.**, Tariq, A., Wang, S., Jing, L., Chen, F., and Hamza, S. (2021). Monitoring and forecasting patterns and trends of urban sprawl in the Karachi mega city, Pakistan. ***Land*** (MDPI, Switzerland), Vol. 10 (7), pp: 700, https://doi.org/10.3390/land10070700.

51. Wang, Z., Miau,Y., Xu, M., Zhu, Z., **Qureshi, S.**, and Chang, Q. (2021). Revealing the differences of urban parks' services to human wellbeing based upon social media data. ***Urban Forestry and Urban Greening*** (Elsevier Ltd., UK), Vol. 63, pp: 127233, https://doi.org/10.1016/j.ufug.2021.127233.

52. **Qureshi, S.,** Shorabeh, S.N., Samany, N.N., Minaei, F., Homaee, M., Nickravesh, F., Firozjaei, M.K., and Arsanjani, J.J. (2021). A new integrated approach for municipal landfill siting based on urban physical growth prediction: a case study Mashhad metropolis in Iran. ***Remote Sensing*** (MDPI, Switzerland). Vol. 13(5), 949, https://doi.org/10.3390/rs13050949.

53. Kazmi, S.J.H., Haase, D., Shahzad, A., Shaikh, S., Zaidi, S.M., and **Qureshi, S.** (2021) Mapping spatial distribution of invasive alien species through satellite remote sensing in Karachi, Pakistan: An urban ecological perspective. ***International Journal of Environmental Science and Technology*** (Springer, USA), https://doi.org/10.1007/s13762-021-03304-3.

54. Alavipanah, S., Haase, D., Makki, M., **Qureshi, S.** (2021). On the spatial patterns of urban thermal conditions using VHR image data, indoor and outdoor temperatures: A case of arid city of Yazd, Iran. ***Remote Sensing*** (MDPI, Switzerland), Vol. 13(4), 640, https://doi.org/10.3390Svet/rs13040640.

55. Wang, Z., Zhu, Z., Xu, M., and **Qureshi, S.** (2021). Fine-grained assessment of greenspace satisfaction at regional scale using content analysis of social media and machine learning. ***Science of the Total Environment*** (Elsevier Ltd., UK), Vol. 776, pp: 145908.

56. Draus, P., Haase, D., Napieralski, J., **Qureshi, S.,** and Roddy, J. (2021). Lurking in the bushes: Informality, illicit activity and transitional green space in Berlin and Detroit. ***Cultural Geographies*** (Sage Pub, New York, USA), Vol. 28(2), pp: 319-339.

57. Wang, Z., Xu, M., **Qureshi, S.**, Lin, H., Cao, A., and Ma, Y. (2021). Understanding the dynamics and factors effecting the cultural ecosystem services through spatial pattern analysis and mix-method approach: A case of rapidly urbanizing Changyang Township, Beijing, China. ***Journal of Cleaner Production*** (Elsevier Ltd., UK), Vol. 279, pp:123422.

58. **Qureshi, S.,** Alavipanah, S.K., Konyushkova, M., Mijani, N., Fathololoumi, S., Firozjaei, M.K., Homaee, M., Hamzeh, S., Kakroudi, A.A., and Heidari, A. (2020). A remotely sensed assessment of surface ecological change over the Gomishan wetland, Iran. ***Remote Sensing*** (MDPI, Switzerland), Vol. 12, pp: 2989; DOI: https://doi.org/10.3390/rs12182989.

59. Cheng, X., Nizamani, M.N., Jim, C.Y., Zhu, Z., **Qureshi, S.**, and Wang, H. (2020). Using SPOT data and FRAGSTATS for analysing the relationship between plant diversity and green space landscape patterns in tropical coastal Zhanjiang city, China. ***Remote Sensing*** (MDPI, Switzerland), Vol. 12, pp: 3477; DOI: https://doi.org/10.3390/rs12182989.

60. Firozjaei, M.K., **Qureshi, S.**, Fathololoumi, S., Kiavarz, M., and Alavipanah, S.K. (2020). Evaluating the spectral indices efficiency to quantify daytime surface anthropogenic heat island intensity: An intercontinental methodology. ***Remote Sensing*** (MDPI, Switzerland), Vol. 12(17), pp: 2854, DOI: https://doi.org/10.3390/rs12172854.

61. Draus, P., Haase, D., Napieralski, J., Sparks, A., **Qureshi, S.,** and Roddy, J. (2020) Wastelands, greenways and gentrification: Introducing a comparative framework with a focus on Detroit, USA. ***Sustainability*** (MDPI, Switzerland)*, 12, 6189;* doi:10.3390/su12156189.

62. Wang, H., Cheng, X., Nizamani, M.N., Balfour, K., Zhu, Z., Da, L., Zhu, Z., and **Qureshi, S.** (2020). An integrated approach to study spatial patterns and drivers of land cover within urban functional units: A multi-city comparative study in China. ***Remote Sensing***, Vol. 12(14), 2201; https://doi.org/10.3390/rs12142201 (MDPI, Switzerland).

63. Ioja, C., and **Qureshi, S.** (2020). Urban wildlands – Forests, waters and wetlands. In: Breuste, J., Artmann, M., Ioja, C., and Qureshi, S., (Editors) (2020). *Making green cities – concepts, challenges and practice*. Springer Nature Switzerland AG, pp: 177-179.

64. Shirazi, S.A., Ahmad, A., and **Qureshi, S.,** (2020). Assessing the impact of land use and land cover (LULC) changes on the biodiversity of River Ravi, Lahore, Pakistan. In: Breuste, J., Artmann, M., Ioja, C., and Qureshi, S., (Editors) (2020). *Making green cities – concepts, challenges and practice.* Springer Nature Switzerland AG, pp: 220-233.

65. Firozjaei, M.K., Sedighi, A, Kiavarzm M., **Qureshi, S.,** Haase, D., and Alavi Panah, S.K., (2019). Automated Built-Up Extraction Index: A New Technique for Mapping Surface Built-Up Areas Using LANDSAT 8 OLI Imagery. ***Remote Sensing*** (MDPI, Switzerland), Vol. 11(17), 1966; https://doi.org/10.3390/rs11171966.

66. Draus, P., Haase, D., Napieralski, J., Roddy, J., and **Qureshi, S.** (2019). Wounds, ghosts and gardens: historical trauma and green reparations in Berlin and Detroit. ***Cities*** (Elsevier Ltd., UK), Vol. 93, pp: 153-163.

67. Inostroza, L., Hamstead, Z., Spyra, M., and **Qureshi, S.** (2019). Beyond urban–rural dichotomies: Measuring urbanisation degrees in central European landscapes using the technomass as an explicit indicator. ***Ecological Indicators,*** Vol. 96(1), PP: 466-476 (Elsevier Science Ltd., UK).

68. Firozjaei, M.K., Mogaddam, M.K., Alavi Panah, S.K., **Qureshi, S.,** and Lakes, T. (2018). Monitoring and forecasting heat island intensity through multi-temporal image analysis and cellular automata-Markov chain modelling: A case of Babol city, Iran. ***Ecological Indicators,*** Vol. 91, pp: 155-170 (Elsevier Science Ltd., UK).

69. Mehraj, G., Khuroo, A.A., **Qureshi, S.,** Muzafar, I., Friedman, C.R., Rashid, I. (2018). Alien flora in urban areas of global biodiversity hotspots: a case study of Srinagar city in Kashmir Himalaya, India. ***Biodiversity and Conservation,*** Vol 27, pp: 1055–1072. doi.org/10.1007/s10531-017-1478-6 (Springer Science, The Netherlands).

70. Abbas, S., Shirazai, S.A., and **Qureshi, S.** (2018). SWOT analysis for socio-ecological landscape variation as a precursor to the management of the mountainous Kanshi watershed, Salt Range of Pakistan. ***International Journal of Sustainable Development & World Ecology,*** Vol. 25(4), pp: 351-361. DOI: 10.1080/13504509.2017.1416701 *(Taylor and Francis, UK)*.

71. Alavipanah, S., Schreyer, J., Haase, D., Lakes, T., and **Qureshi, S.** (2017). Assessing the impact of multidimensional urban parameters on urban temperature – an example from the semi-arid city of Yazd, Iran. ***Journal of Cleaner Production,*** Vol. 177, pp: 115-123 (Elsevier Ltd., UK).

72. Li., J., Fang, W., Wang, T., **Qureshi, S.**, Alatalo, J.M., and Bai, Y. (2017). Correlations between socio-economic drivers and indicators of urban expansion: Evidence from the heavily urbanised Shanghai metropolitan area, China. ***Sustainability*** (MDPI, Switzerland), Vol. 9(7), 1199; doi:10.3390/su9071199.

73. Zhu, Z., Zhao, K-K., **Qureshi, S.**, Lin, Q., Friedman, C.R., Wang, H., and Cai, G-Y. (2017). Systematic environmental impact assessment for non-natural reserve areas: A case study of the Chaishitan water conservancy project on land use and plant diversity in Yunnan, China. ***Frontiers in Ecology and Evolution***, Vol. 5:60. doi: 10.3389/fevo.2017.00060.

74. Li, Y., Qiu, J., Zhao, B., Pavao-Zuckerman, M., Bruns, A., **Qureshi, S.**, and Zhang, C. (2017). Quantifying urban ecological governance: a suite of indices characterizes the ecological planning implications of rapid coastal urbanization. ***Ecological Indicators*** (Elsevier Science Ltd., UK), Vol. 72, pp: 225–233.

75. Alavipanah, S., Haase, D., Lakes, T., and **Qureshi, S.** (2017). Integrating the third dimension into the concept of urban ecosystem services: A review. ***Ecological Indicators*** (Elsevier Science Ltd., UK), Vol. 72, pp: 374-398.

76. McPhearson, T., Pickett, S.T.A., Grimm, N., Alberti, M., Elmqvist, T., Niemela, J., Weber, C., Breuste, J., Haase, D., and **Qureshi, S.** (2016). Advancing urban ecology towards a science of cities. ***Bioscience*** (Oxford/AIBS, USA), Vol. 66 (3), pp: 198-212.

77. Schetke, S., **Qureshi, S.**, Lautenbach, S., Kabisch, N. (2016). What determines the use of urban green spaces in highly urbanized areas? – Examples from two fast growing Asian cities. ***Urban Forestry and Urban Greening*** (Elsevier, Germany), Vol. 16, pp:150-159.

78. Alavipanah, S., **Qureshi, S.**, and A.A. Shamsipour, (2016). The cooling effect of urban vegetation (a case study of the city of Munich). ***Journal of Environmental Studies***, Vol. 42, Issue 2, pp: 441-453. DOI: 10.22059/JES.2016.58745, URL: https://jes.ut.ac.ir/article_58745.html (*in Persian*)

79. Umar, M., Munir, S., Ali, I., **Qureshi, S.**, Notarnicola, C., Rahman, S., and Weng, Q. (2016). Soil moisture assessment based on optical remote sensing and ground measurements: a case study from Pakistan test site In: Weng, Q. (Ed). *Remote Sensing for Sustainability*. CRC Press, Taylor & Francis Group, Boca Raton, Florida, pp: 243-265.

80. Wang, H., Knapp, S., **Qureshi, S.**, Freidman, C.R., and Hubacek, K. (2015). A basic assessment of residential plant diversity and its ecosystem services and disservices in Beijing, China. ***Applied Geography*** (Elsevier Ltd., the Netherlands), Vol. 64, pp: 121-131, DOI: 10.1016/j.apgeog.2015.08.006.

81. Wang, H., **Qureshi, S.**, Qureshi, B.A., Qiu, J., Freidman, C.R., Breuste, J.H., and Wang, X. (2015). A multivariate analysis integrating ecological, socioeconomic and physical characteristics to investigate urban forest cover and plant diversity in Beijing, China. ***Ecological Indicators*** (Elsevier Science Ltd., the Netherlands), Vol. 60, pp: 921-929, DOI: 10.1016/j.ecolind.2015.08.015.

82. Alavipanah, S.S., Wegmann, M., **Qureshi, S.**, Weng, Q., and Koellner, T. (2015). The role of vegetation in mitigating urban land surface temperatures: a case study of Munich, Germany during the warm season. ***Sustainability*** (MDPI, Switzerland), Vol. 7, pp: 4689-4706.

83. Choudhry, K.Z., Coles, R., **Qureshi, S.**, Ashford, R., Khan, S., and Mir, R, R. (2015). A review of scientific methodologies used in studies investigating therapeutic value as determinant of outcome for exposure to 'naturalistic and urban environments'. ***Urban Forestry and Urban Greening*** (Elsevier, Germany), Vol. 14, Issue 2, DOI: 10.1016/j.ufug.2015.03.007.

84. Barau, A.S., and **Qureshi, S.** (2015). Using agent-based modelling and landscape metrics to assess landscape fragmentation in Iskandar Malaysia. ***Ecological Processes*** (SpringerOpen), Vol. 4:8. URL: http://www.ecologicalprocesses.com/content/4/1/8.

85. Shah, M.A., Beaulieu, M., Shah, Z.R., Khasa, D.P., and **Qureshi, S.** (2015). A cross-city biogeographic investigation of arbuscular mycorrhizas in *Conyza canadensis* rhizosphere across native and non-native regions. ***Ecological Processes*** (SpringerOpen), Vol. 4:7. doi:10.1186/s13717-015-0034-0.

86. Li, Y., Li, Y, **Qureshi, S.**, Kapps, M., and Hubacek, K. (2015). On the relationship between landscape patterns and water quality across gradient zones of rapid urbanization in Lianyungang, China. ***Ecological Modelling*** (Elsevier Ltd., UK), Vol. 318, pp: 100-108.

87. Andrabi, S.M., Reshi, Z.A., Shah, M.A., and **Qureshi, S.** (2015). Studying the patterns of alien and native floras of some habitats in Srinagar city, Kashmir, India. ***Ecological Processes*** (SpringerOpen), Vol. 4:2. DOI 10.1186/s13717-014-0030-9.

88. Kabisch, N., **Qureshi, S.,** and Haase, D. (2015). Human-environment interactions in urban green spaces – A systematic review of contemporary issues and prospects for future research. ***Environmental Impact Assessment Review*** (Elsevier, the Netherlands). Vol. 50, pp: 25-34.

89. Alamgir, A., Khan, M.A., Shaukar, S.S., Kazmi, S.J., **Qureshi, S.**, and Khanum, F. (2015). Appraisal of climate change impacts on the coastal areas of Sindh using remote sensing technique. ***American-Eurasian Journal of Agriculture and Environmental Science***, Vol. 15, Issue 6, pp: 1102-1112.

90. Ali, I., Khan, A.A., **Qureshi, S.,** Umar, M., Haase, D., and Hijazi, I. (2015). A hybrid approach integrating 3D city models, remotely sensed SAR data and interval-valued fuzzy soft set based decision making for post disaster mapping of urban areas. In: Breunig, M., Al-Doori, M., Butwilowski, E., Kuper, P.V., Benner, J., Haefele, K.H. (Eds.). 3D Geoinformation Science. Lecture Notes in Geoinformation and Cartography Series (Springer, the Netherlands). pp: 87-105.

91. Shaikh, S., Kami, J.H., and **Qureshi, S.** (2014). Monitoring the diversity of malaria and dengue vector in Karachi: studying variation of genera and subgenera of mosquitoes under different ecological conditions. ***Ecological Processes*** (SpringerOpen), Vol. 3(1), 12, www.ecologicalprocesses.com/content/3/1/12.

92. Fi, X., Breuste, J., and **Qureshi, S.** (2014). Urban ecosystems: functions, services and sustainable management. ***Eco-city and Green Building***, Vol. 4, pp: 42-52. (*In Chinese, with my contribution of supervision to conceive, methodological design and execution of the whole project*).

93. Weng, Q., Gamba, P., Mountrakis, G., Pesaresi, M., Lu, L., Kemper, T., Heinzel, J., Xian, G., Jin, H., Miyazaki, H., Xu, B., **Qureshi, S.**, Keramitsoglou, I., Ban, Y., Esch, T., Roth, A., and Elvidge, C.D. (2014). Urban Observing Sensors. In: Weng, Q. (ed.). *Global Urban Monitoring and Assessment through Earth Observation*. Taylor & Francis/CRC Press, Boca Raton, Florida, pp: 49-81.

94. **Qureshi, S.**, and Haase, D. (2014). Compact, eco-, hybrid or teleconnected? Novel aspects of urban ecological research seeking compatible solutions to socio-ecological complexities. ***Ecological Indicators*** (Elsevier Science Ltd., UK), Vol. 42, pp: 1-5.

95. Haase, D., Larondelle, N., Andersson, E., Artmann, M., Borgström, S., Breuste, J., Gomez-Baggethun, E., Gren, A., Hamstead, Z., Hansen, R., Kabisch, N., Kremer, P., Langemeyer, J., Rall, E.L., McPhearson, T., Pauleit, S., **Qureshi, S.**, Schwarz, N., Voigt, A., Wurster, D., and Elmqvist, T. (2014). A quantitative review of urban ecosystem services assessment: concepts, models and implementation. ***Ambio*** (Springer), Vol. 43, Issue 4, pp: 413-433.

96. **Qureshi, S.**, Haase, D., and Coles, R. (2014). The Theorized Urban Gradient (TUG) method – a conceptual framework for socio-ecological sampling in complex urban agglomerations. ***Ecological Indicators*** (Elsevier Science Ltd., UK), Vol. 36, pp: 100-110.
97. Li, Y., Shi, Y, **Qureshi, S.**, Bruns, A., Ai, J., Zhu, X. (2014). Applying the concept of spatial resilience to socio-ecological systems in the urban-wetland interface. ***Ecological Indicators*** (Elsevier Science Ltd., UK). Vol. 42, pp: 135-146.

98. Karim, Z., Qureshi, B.A., Mumtaz, M., and **Qureshi, S.** (2014). Heavy metal content in urban soils as an indicator of anthropogenic and natural influences on landscape of Karachi—A multivariate spatio-temporal analysis. ***Ecological Indicators*** (Elsevier Science Ltd., UK), Vol. 42, pp: 20-31.

99. Breuste, J.H., Schnellinger, J., **Qureshi, S.,** and Faggi, A. (2013). Urban ecosystem services on the local level: Urban green space as providers. ***Ekológia*** (Versita, Germany), Vol. 32, Issue 3, pp: 290–304. DOI:10.2478/eko-2013-0026

100. Breuste, J.H., **Qureshi, S.**, and Li, J. (2013). Applied urban ecology for sustainable urban environment. ***Urban Ecosystems*** (Springer, USA), Vol. 16, Issue 4, pp: 675-680.

101. **Qureshi, S.**, Breuste, J.H., and Jim, C.Y. (2013). Differential community and the perception of urban green spaces and their contents in the megacity of Karachi, Pakistan. ***Urban Ecosystems*** (Springer, USA), Vol. 16, Issue 4, pp: 853-870.

102. Breuste, J.H., Schnellinger, J., **Qureshi, S.,** and Faggi, A. (2013). Investigations on habitat provision and recreation as ecosystem services in urban parks – two case studies in Linz and Buenos Aires. In: Breuste, J., Pauleit, S., and Pain, J. (Eds.). Stadtlandschaft – vielfältige Natur und ungleiche Entwicklung. *Proceedings of the* Competence Network of Urban Ecology, Volume 5, pp: 7-22.

103. Breuste, J.H., **Qureshi, S.**, and Li, J. (2013). Scaling down the ecosystem services at local level for urban parks of three megacities. ***Hercynia*** **-** *Ecology and Environment in Central Europe* (Halle, Germany), Vol. 46, pp: 1-20.

104. Blaschke, T., Donert, K., Gossette, F., Kienberger, S., Marani, M., **Qureshi, S.**, and Tiede, D. (2012). Virtual globes: serving Science and society. ***Information***, Vol. 3, pp: 372–390.

105. Breuste, J.H., and **Qureshi, S.** (2011). Urban sustainability, urban ecology, and Society for Urban Ecology (SURE). ***Urban Ecosystems*** (Springer, USA), Vol. 14, Issue 3, pp: 313–317.

106. **Qureshi, S.** (2011). On the multidisciplinary perspectives to address environmental issues in a regional context. ***Landscape Ecology*** (Springer, the Netherlands), Vol. 26, Issue 6, pp: 891–892.

107. Alam K., **Qureshi, S.,** and Blaschke, T. (2011). Monitoring spatio-temporal aerosol patterns over Pakistan based on MODIS, TOMS and MISR satellite data and a HYSPLIT model. ***Atmospheric Environment*** (Elsevier, Ltd., UK), Vol. 45, Issue 27, pp: 4641–4651.

108. **Qureshi, S.** (2011). Boundary crossing by transregional practice of governance to address sustainability issues. ***Landscape Ecology*** (Springer, the Netherlands), Vol. 26, Issue 3, pp: 455–456.

109. Sadiq, N., and **Qureshi, S.** (2010). Content analysis versus level of objectivity: Nuclear proliferation issue in Pakistan and its coverage by leading newspapers. ***The International Journal of Interdisciplinary Social Sciences*** (CG Publisher, USA), Vol. 5, Issue 5, pp: 241–253.

110. Alam, K., Iqbal, M.J., Blaschke, T., **Qureshi, S.,** and Khan, G. (2010). Monitoring the spatio-temporal variations in aerosols and aerosol-cloud interactions over Pakistan using MODIS data. ***Advances in Space Research*** (Elsevier, the Netherlands), Vol. 46, Issue 9, pp: 1162–1176.

111. **Qureshi, S.** (2010). The fast growing megacity Karachi as a frontier of environmental challenges: Urbanization and contemporary urbanism issues. ***Journal of Geography and Regional Planning*** (Academic Journal Publishers), Volume 3, Issue 11, pp: 306–321.

112. Pauleit, S., Breuste, J., **Qureshi, S.,** and Sauerwein, M. (2010). Transformation of rural-urban cultural landscapes in Europe: Integrating approaches from ecological socio-economic and planning perspectives. ***Landscape Online*** (The official journal of IALE-D, Germany). Volume 20, pp: 1-10.

113. **Qureshi, S.**, Breuste, J.H., and Lindley, S.J. (2010). Green space functionality along an urban gradient in Karachi, Pakistan: A socio-ecological study. ***Human Ecology*** (Springer, USA), Vol. 38, Issue 2, pp: 283–294.

114. **Qureshi, S.,** and Breuste, J.H. (2010). Prospects of biodiversity in the mega city Karachi, Pakistan: Potentials, constraints and implications. In: Müller, N., Werner, P. and Kelcey, J. (eds.). *Urban Biodiversity and Design – Implementing the Convention on Biological Diversity in Towns and Cities,* Wiley-Blackwell, Oxford, pp: 497–517.

115. **Qureshi, S.**, Kazmi, S.J.H., and Breuste, J.H. (2010). Ecological disturbances due to high cutback in the green infrastructure of Karachi: Analyses of public perception about associated health problems. ***Urban Forestry and Urban Greening*** (Elsevier, Germany), Vol. 9, Issue 3, pp: 187–198.

C. Contributions to conference proceedings (*SCI Indexed)

116. Habimana S, Draus P, Qureshi S, Roddy J, Biracyaza E, Rutembesa E, Lacey K.K, Montgomery S. The potential of green space to address community trauma and mental wellbeing: A study post-genocide circumstantial in Kigali, Rwanda. Presented in International Conference of Faculty of Health and Life Sciences: Coventry University: United Kingdom. Conference book: Page:19. On 16—18 March 2022.

117. Alavipanah, S., Haase, D., Lakes, T., and **Qureshi, S.** (2017). Transition towards ecologically friendly cities integrating the third dimension into the concept of urban ecosystem services. 37th EARSeL Symposium, Smart Future with Remote Sensing, Book of Abstracts, pp.10.

118. Alavipanah, S., **Qureshi, S.,** and Haase, D (2015). Does vegetation mitigate the temperature in urban area or it follows the temperature of its surrounding? 2015 Joint Urban Remote Sensing Event (JURSE), Lausanne, 2015, pp. 1-4. doi: 10.1109/JURSE.2015.7120485.

119. Alavipanah, S., Schreyer, J., **Qureshi, S.** and Haase, D (2017). Does multidimensional (2D & 3D) urban study inspire urban sustainability? IALE European Congress, From Pattern to Process – To People and Action Ghent, 12-15 September 2017. pp:1.

120. Qureshi, B.A., **Qureshi, S.**, and Karim, Z. (2013). Heavy metal content of urban soils as an indicator of anthropogenic and natural influences on landscape of Karachi - A multivariate spatio-temporal analysis. In: Qureshi, S., Haase, D., and Kabisch, N. (Editors) (2013). Proceedings of the First Congress of the Society for Urban Ecology (SURE), 25-27 July 2013, Berlin, Germany. pp. 73.

121. Rizvi, M., and **Qureshi, S.** (2013). Assessing the problems in urban transportation infrastructure by observing public behavior – a case of pedestrian bridges in Karachi, Pakistan. In: Qureshi, S., Haase, D., and Kabisch, N. (Editors) (2013). Proceedings of the First Congress of the Society for Urban Ecology (SURE), 25-27 July 2013, Berlin, Germany. pp. 129.

122. Kazmi, S.J.H., Shaikh, S., and **Qureshi, S.** (2013). Evaluating the role of perennial grasses in the transmission of mosquito borne diseases in Karachi City - Mapping perennial grass habitat using optical remote sensing, In: Qureshi, S., Haase, D., and Kabisch, N. (Editors) (2013). Proceedings of the First Congress of the Society for Urban Ecology (SURE), 25-27 July 2013, Berlin, Germany. pp. 68.

123. **Qureshi S.**, and Hasse, D. (2012). Land-use changes and their impacts in megacities exemplified at Karachi: an integrated modelling approach investigating socio-environmental flows. In: Conference book of the IUFRO Landscape Ecology Working Group International Conference (Sustaining humans and forests in changing landscapes - Society and Global Change), 2-12 November, 2012, Concepción, Chile, pp.160.

124. *__Qureshi, S.__, Umar, M., and Haase, D. (2012). Multitemporal image analyses for monitoring the dynamics of urban vegetation in response to rapid urbanization in Karachi. *Proceedings of 1st EARSeL Workshop on Temporal Analysis of Satellite Images*, 24–25 May, 2012, Mykonos, Greece, pp. 26.

125. **Qureshi, S.** and Haase, D. (2012). Land-use changes and their impacts in megacities exemplified at Karachi: an integrated modelling approach investigating socio-environmental flows. *Proceeding of the USIALE Annual Symposium*, 8-12 April 2012, Newport, Rhode Island, USA, pp. 81.

126. *Umar, M., **Qureshi, S.**, and Weng, Q. (2012). Spatio-temporal assessment of soil moisture levels to monitor the seasonal effects in relation to temperature-vegetation abundance. *Proceedings of the Second International Workshop on Earth Observation and Remote Sensing Applications* (EORSA2012), 8-11 June, 2012, Shanghai, China.

127. *Shah, B., Umar, M., **Qureshi, S.**, and Weng, Q. (2012). Regression analysis of land surface temperature, air temperature and gaseous air pollutants: a combined approach of using Landsat TM imageries and ground data. *Proceedings of the 1st EARSeL Workshop on Temporal Analysis of Satellite Images*, 24–25 May, 2012, Mykonos, Greece, pp. 16.

128. **Qureshi, S.** (2011). Multi-functionality of landscapes derives the structural matrix of urban mosaic: An anthropocentric approach to ecological assessment. In: Breuste, J. (ed.) *Proceedings of the Society for Urban Ecology: Urban Ecology for Sustainable Environment*, Vol. 1, pp: 39. Presented at the 8th IALE World Congress 18-23 August 2011, Beijing, China.

129. **Qureshi, S.** (2011). Spatial autocorrelation of variance in land surface temperature and air temperature for monitoring the dynamics of urban heat island in the megacity Karachi, Pakistan. *Proceedings of the International Symposium on the Remote Sensing of Environment*, April 2011, Sydney, Australia.

130. ***Qureshi, S.** (2010). Assessing the ecosystem services by urban forest structures in mega-city Karachi using a transdisciplinary framework for coupled human and natural systems. ***International Forestry Review*** (Commonwealth Forestry Association, UK.). Vol. 12, Issue 5, pp: 415-416. (Special Issue: Parrotta, J. H. and Carr, M. A. (eds.). Forest for Future: Sustaining Society and the Environment – XXIII IUFRO World Congress, 23-28 August 2010, Seoul, Republic of Korea). (Impact Factor: 1.705)

131. **Qureshi, S.** (2010). Exurban development and planning ecological networks at peri-urban interfaces: An unexploited opportunity of urban design for adaptation to climate change. *Proceedings of the International Conference on Urban Biodiversity and Design (URBIO 2010)* - Urban Biodiversity in the Ecological Network, 18-21 May 2010, Nagoya, Japan. pp: 69.

132. **Qureshi, S.** (2010). Epitomizing the simplicity in complexity of socio-ecological field sampling using an integrated spatial model of complex mosaic of urbanization. *Proceedings of the US-IALE 25th Annual Symposium: Is What Humans Do Natural?* 5-9 April 2010, Athens, Georgia, USA. Abs. 208, pp: 105.

133. **Qureshi, S.** (2009). Urban gradient model development through feature extraction from multi-resolution images and its social application. In: Machova, Z. and Novotny, J. (eds.) *Proceedings of the EUGEO Congress 2009: Challenges for the European Geography in the 21st Century*, 13-16 August 2009, Bratislava, Slovakia. pp: B52.

134. Alam, K. and **Qureshi, S.** (2009) Systematizing MODIS, TOMS and MISR satellite datasets with HYSPLIT model for monitoring regional pattern of aerosol and its seasonal variability in Pakistan. *Proceedings of the European Aerosol Conference*, 6-11 Sep. 2009, Karlsruhe, Germany, Abs. T046A11.

135. **Qureshi, S.** (2009). Shades of forested landscape in a megacity of developing world: Synthesizing structural and functional patterns. In: Donert, K., Ari, Y., Attard, M., O'Reilly, G. and Schmeinck, D. (eds.) *Geographical Diversity: Proceedings of the HERODOT Conference*, 29-31 May 2009, Ayvalik, Turkey. mbvBerlin: mensch und buch verlag. pp: 150-154.

136. Salman, A. and **Qureshi, S.** (2009). Indicators of urban sustainable development: A geographical review of urban regeneration projects in Karachi, Pakistan. In: Donert, K., Ari, Y., Attard, M., O'Reilly, G. and Schmeinck, D. (eds.) *Geographical Diversity: Proceedings of the HERODOT Conference*, 29-31 May 2009, Ayvalik, Turkey. mbvBerlin: mensch und buch verlag. pp: 183-187.

137. **Qureshi, S.** (2009). Urban gradient development for evaluating impact gradients of ecosystem services in megacities: A case study of Karachi, Pakistan. Climate Change: Global Risks, Challenges and Decisions, 10-12 Mar. 2009, Copenhagen, Denmark. *IOP Conference Series: Earth and Environmental Science*. Vol. 6, pp: 332030. DOI:10.1088/1755-1307/6/33/332030.

138. **Qureshi, S.** and Salman, A. (2008). Urban waters under the stress of climate change: A conceptual framework for comparative assessment of water resources in distinct climatic regions. *Proceedings of the International Conference on Water Resources and Climate Change in the MENA Region*, Muscat, the Sultanate of Oman, 2-4 Nov. 2008. pp: 1-6.

139. **Qureshi, S.**, Kazmi, S.J.H. and Breuste, J.H. (2008). Burgeoning health problems in a mega city: Mapping the ecological disturbances due to high cutback in the green infrastructure of Karachi Pakistan. In: Chen, J., Liu S., Lucas, R., Sun, P., Lafortezza, R. and Delp L. (eds.) *Landscape Ecology and Forest Management: Challenges and Solutions*. The book of abstracts of international conference of IUFRO, Chengdu, China, 16-18 Sep 2008. No: 172, pp: 97-98.

140. **Qureshi, S.** and Breuste, J.H. (2008). Prospects of biodiversity in the mega city Karachi, Pakistan: Potentials, constraints and implications, In: Müller, N., Knight, D. and Werner, P. (eds.). *Book of Abstracts, Urban Biodiversity and Design, Implementing the Convention on Biological Diversity in towns and cities;* International conference, 21-24 May 2008, Erfurt, Germany. Federal Agency for Nature Conservation, Germany, BfN-Skripton 229-1, pp: 195.

141. Kazmi, S.J.H. and **Qureshi, S.** (2007). Assessing the water quality in the wetlands of lower Sindh, Pakistan: Simulating the ecological deprivation through geoinformatics. *In: Abstracts of the 12th All Pakistan Geographical Conference.* Department of Geography, University of the Punjab, Lahore, Pakistan, 19-21 March 2007. pp: 36.

142. ***Qureshi, S.**, Arsalan, M.H. and Coles, R. (2007). Simulating the sociometric analysis of landscape changes in GIS framework: An example of the selected town of Karachi metropolis. In: Bunce, R.G.H., Jongman, R.H.G., Hojas L. and Weel S. (Eds.) *25 Years of Landscape Ecology: Scientific Principles in Practice. Proceedings of 7th IALE World Congress,* 8-12 July 2007, Wageningen, The Netherlands. IALE Publication Series 4(2), pp: 799-800.

143. Kazmi, S.J.H., **Qureshi, S.**, Siddiqui M. and Arsalan, M.H. (2006). Depleting wetlands of lower Sindh, Pakistan: A Spatio-temporal study through satellite remote sensing. *Proceedings of the first International Conference on Advances in Space Technologies (ICAST).* Islamabad, Pakistan, 2-3 Sep. 2006. pp: 1-5.

144. Jaffer, A., Mateen, Q., Nusrat, S., **Qureshi, S.** and Arsalan, M.H. (2005). Spatial appraisal of water budget in the irrigation system of Sindh. *In: Abstracts of the National Workshop on Sustainable Use of Water Resource in Pakistan,* July 2005, University of Peshawar, Pakistan.

CONFERENCE PRESENTATIONS (*Invited/Keynote Lectures)

1. The potential of green space to address community trauma and mental wellbeing: A study post-genocide circumstantial in Kigali, Rwanda. Presented in International Conference of Faculty of Health and Life Sciences: Coventry University, United Kingdom,16—18 March 2022".
2. First International Forum on Big Data for Sustainable Development Goals / 5th Digital Belt and Road Conference / Big Earth Data for Sustainable Cities, 6-8 September 2021, Beijing International Convention Center, Chinese Academy of Sciences, Beijing.
3. Green Space and Mental Health in Kigali city, Rwanda: A Place-Based Study. 3rd Congress of the Society for Urban Ecology, 7-9 July 2021, Poznan, Poland.
4. Greenspace and psycho-social wellbeing in the city: lessons from Rwanda, Malaysia, and Nigeria. 17th International Conference on Urban Health: Transforming our Collective Urban Future, 6-8 July 2021.
5. **Keynote address*: Cities on the move: understanding hyper-diversity and using biophilic connections for the evolution of cities in 2050.16th All Pakistan Geographical Conference, 11-13 March 2021, Lahore, Pakistan.
6. Understanding the dynamics and factors affecting cultural ecosystem services during urbanization through spatial pattern analysis and a mixed-methods approach. 3rd Conference of the Arabian Journal of Geosciences (Springer), 2-5 Nov. 2020, Sousse, Tunisia.
7. Towards a mixed method approach studying green space, health and urban resilience: An intercontinental study in Kigali/Rwanda, Karachi/Pakistan and Detroit/Michigan. 3rd Conference of the Arabian Journal of Geosciences (Springer), 2-5 Nov. 2020, Sousse, Tunisia.
8. On the degrees of variation in surface ecological conditions caused by natural and man-made factors based on remote sensing data: A comparative case study of the city of Gomishan and wetlands in Iran. 3rd Conference of the Arabian Journal of Geosciences (Springer), 2-5 Nov. 2020, Sousse, Tunisia.
9. Beyond urban-rural dichotomies: Measuring urbanisation degrees in central European landscapes using the technomass as an explicit indicator. 4th Open Science Meeting: Transforming Land Systems for People and Nature, 24-26 April, 2019, Berlin, Switzerland.

10. Hatred, division and healing in Berlin and Detroit: Sociospatial trauma and the role of urban green space. Annual Conference of the Association of American Geographers, April 10-14, 2018, New Orleans, Louisiana, USA.
11. Does multidimensional (2D & 3D) urban study inspire urban sustainability? IALE European Congress, From Pattern to Process – To People and Action, 12-15 September 2017, Ghent, Belgium.
12. Transition towards ecologically friendly cities integrating the third dimension into the concept of urban ecosystem services. 37th EARSeL Symposium, 27-30 June 2017, Prague, Czech Republic.
13. **Keynote address*: Complexity - Is it really that complex? Multidisciplinary metaphor and stewardship of biophysical and cultural ecosystem services. First South Asian Society for Urban Ecology Conference, 18-22 January 2017, Karachi, Pakistan.
14. Using thermal remote sensing for achieving urban social justice. First South Asian Society for Urban Ecology Conference, 18-22 January 2017, Karachi, Pakistan.
15. Impact of monsoon precipitation on soil's heavy metal content across different urban land covers in Karachi. First South Asian Society for Urban Ecology Conference, 18-22 January 2017, Karachi, Pakistan.
16. Seasonal variation of lead in lignum (*Guaiacum Officinale*) leaves across distinct land use of megacity, Karachi: A Multi-Indicator Approach. First South Asian Society for Urban Ecology Conference, 18-22 January 2017, Karachi, Pakistan.
17. Ecosystem services and nature-based solutions in urban areas. 2nd SURE World Congress, 8-10 July 2016, Shanghai, China.
18. Articulating urban metabolism and urban ecology through novel indicators: introducing technomass. 2nd SURE World Congress, 8-10 July 2016, Shanghai, China.
19. A multivariate analysis integrating ecological, socioeconomic and physical characteristics to investigate urban forest cover and plant diversity in Beijing, China. 2nd SURE World Congress, 8-10 July 2016, Shanghai, China.
20. Use and perception of urban green in Asian mega-cities. IALE World Congress, 5-10 July, 2015 Portland, Oregon, USA.
21. Does vegetation mitigate the temperature in urban area or it follows the temperature of its surrounding? Joint Urban Remote Sensing Event, 30 March – 1 April, 2015, Lausanne, Switzerland.
22. Urban ecosystem functions: a metabolic framework to understand the urban phenomenon. REGIORESOURCES: A cross-disciplinary dialogue on sustainable development of regional resources, September 15-17, 2014, Central Mining Institute, Katowice, Poland.
23. Improving Landsat-8 satellites image classification by adding thermal layer characteristics. Global Temperature Meeting (EASA Project), KIT, June 2014, Karlsruhe, Germany
24. Improving Landsat 8 satellites image classification by adding thermal layer characteristics. 5th Workshop of the EARSeL Special Interest Group on Land Use and Land Cover, "Frontiers in Earth Observation for Land System Science", 17-18 March, 2014, Berlin, Germany.
25. Heavy metal content of urban soils as an indicator of anthropogenic and natural influences on landscape of Karachi - A multivariate spatio-temporal analysis. First Congress of the Society for Urban Ecology (SURE), 25-27 July 2013, Berlin, Germany.
26. Assessing the problems in urban transportation infrastructure by observing public behavior – a case of pedestrian bridges in Karachi, Pakistan. First Congress of the Society for Urban Ecology (SURE), 25-27 July 2013, Berlin, Germany.
27. Evaluating the role of perennial grasses in the transmission of mosquito borne diseases in Karachi City - Mapping perennial grass habitat using optical remote sensing, Proceedings of the First Congress of the Society for Urban Ecology (SURE), 25-27 July 2013, Berlin, Germany.
28. Assessing the problems in urban transportation infrastructure by observing public behavior – a case of pedestrian bridges in Karachi, Pakistan. First Congress of the Society of Urban Ecology, 25-27 July 2013, Berlin, Germany.
29. Multitemporal image analyses for monitoring the dynamics of urban vegetation in response to rapid urbanization in Karachi. EARSeL Workshop on Temporal Analysis of Satellite Images, 24–25 May, 2012, Mykonos, Greece.

30. Regression analysis of land surface temperature, air temperature and gaseous air pollutants: a combined approach of using Landsat TM imageries and ground data. EARSeL Workshop on Temporal Analysis of Satellite Images, 24–25 May, 2012, Mykonos, Greece, pp. 16.
31. Land-use changes and their impacts in megacities exemplified at Karachi: an integrated modelling approach investigating socio-environmental flows. USIALE Annual Symposium, 8-12 April 2012, Newport, Rhodes Island, USA.
32. Multi-functionality of landscapes derives the structural matrix of urban mosaic: An anthropocentric approach to ecological assessment. 8th IALE World Congress, 18-23 August 2011, Beijing, China.
33. Modelling urban nature in a megacity: A systematized application of urban gradient for ecological investigations. 10th Annual Conference of the International Association of Landscape Ecology (German Chapter), 22-25 September 2010, Nürtingen, Germany. (*Invited address at the IALE-D award ceremony, being the winner of best dissertation award*)
34. Content analysis versus level of objectivity: the nuclear proliferation issue in Pakistan and its coverage by leading newspapers. 5th International Conference on Interdisciplinary Social Sciences, 2-5 August 2010, University of Cambridge, Cambridge, UK.
35. Assessing the ecosystem services by urban forest structures in mega-city Karachi using a transdisciplinary framework for coupled human and natural systems. 23rd IUFRO Congress, 23-28 August 2010, Seoul, Korea.
36. Exurban development and planning ecological networks at peri-urban interfaces: An unexploited opportunity of urban design for adaptation to climate change. International Conference on Urban Biodiversity and Design (URBIO 2010) - Urban Biodiversity in the Ecological Network, 18-21 May 2010, Nagoya, Japan.
37. Epitomizing the simplicity in complexity of socio-ecological field sampling using an integrated spatial model of complex mosaic of urbanization. US-IALE 25th Annual Symposium: Is What Humans Do Natural? 5-9 April 2010, Athens, Georgia, USA.
38. Ecosystem services in megacity of Karachi, Pakistan: An evaluation using the urban gradient model. International Conference on Megacities: Risk, Vulnerability and Sustainable development", 7-9 September, 2009, Leipzig, Germany.
39. Systematizing MODIS, TOMS and MISR satellite datasets with HYSPLIT model for monitoring regional pattern of aerosol and its seasonal variability in Pakistan. European Aerosol Conference, 6-11 Sep. 2009, Karlsruhe, Germany.
40. International symposium on "Identifying challenges for urban ecological research and urban ecosystem management - international perspectives". 17 July 2009, Salzburg, Austria.
41. European IALE conference 2009: 70 years of Landscape Ecology in Europe; "European Landscapes in Transformation: Challenges for Landscape Ecology and Management". 12-16 July 2009, Salzburg, Austria.
42. Shades of forested landscape in a megacity of developing world: Synthesizing structural and functional patterns. Presented at the HERODOT Conference: Celebrating Geographical Diversity. 28-31 May 2009, Ayvalik, Turkey.
43. Indicators of urban sustainable development: A geographical review of urban regeneration projects in Karachi, Pakistan. Presented at the HERODOT Conference: Celebrating Geographical Diversity. 28-31 May 2009, Ayvalik, Turkey.
44. Workshop on 'How to build up and continue cooperation with Austria?' Organized by the Austrian Agency for International Cooperation in Education and Research (OeAD-GmbH). 16 May 2009, Institute for Geography, University of Innsbruck, Austria.
45. Ecological disturbances due to high cutback in the green infrastructure of Karachi: Analyses of public perception about associated health problems. 13th All Pakistan Geographical Conference, University of Karachi, 21-23 Dec. 2008.
46. Workshop on "Current and Future Research in Urban Ecology", 12 July 2007, Alterra, Wageningen University, The Netherlands.
47. Simulating the sociometric analysis of landscape changes in GIS framework: An example of the selected town of Karachi metropolis, Presented at the IALE Congress, 8-12 July 2007, Wageningen, the Netherlands.

48. Assessing the water quality in the wetlands of lower Sindh, Pakistan: Simulating the ecological deprivation through geoinformatics, Prepared for 12th All Pakistan Geographical Conference, Department of Geography, University of the Punjab, Lahore, Pakistan, 19-21 March 2007.
49. Depleting wetlands of lower Sindh Pakistan: A spatio-temporal study through satellite remote sensing techniques. International Conference on Advances in Space Techniques (ICAST), 2-3 Sep. 2006, Islamabad, Pakistan.
50. Spatial appraisal of water budget in the irrigation system of Sindh: A conceptual framework. Paper presented at the National Workshop on the Sustainable Use of Water Resource in Pakistan. Department of Geography, Urban and Regional Planning, University of Peshawar, Pakistan, 11-15 July 2005.
51. Automated simulation of coastal vulnerability index of Sindh coastal areas: A prototype GIS application. Paper presented at the National Workshop on the Sustainable Use of Water Resource in Pakistan. Department of Geography, Urban and Regional Planning, University of Peshawar, Pakistan, 11-15 July 2005.

Other relevant workshops, conferences and seminars

52. Climate change: Urban life, international cooperation, and German climate politics. 1 October 2019, New York University, Berlin, Germany.
53. *Expert Panellist: Panel Discussion on “Germany in Headlines” focusing environmental governance and urban development in Berlin, New York University Berlin, 30 January 2019.
54. *“Young Researchers Forum” as a part of GIScience Doctoral Kolleg, 2-3 July 2012, Salzburg, Austria.
55. Urban Tree Research Conference: Trees, People and Built Environment. Organized by the Institute of Chartered Foresters, 13-14 April 2011, Edgbaston, Birmingham, United Kingdom.
56. ReVISIONS Annual Symposium. Organized by the University of Surrey, 26th May 2011, Guilford, Surrey, United Kingdom.
57. Geoinformatics Forum 2012: GIScience and Technology – Learning with GI, 4-6 July 2012, Salzburg, Austria.
58. AGIT 2009: Symposium und Fachmesse Angewandte Geoinformatik, 8-10 July 2009, Salzburg, Austria.
59. Geoinformatics Forum 2009: Symposium and Exhibit in Applied Geoinformatics, 7-10 July 2009, Salzburg, Austria.
60. Second workshop “Researchers on the move: Intercultural dimensions in sciences and humanities”. 4 June 2009, Salzburg, Austria.
61. *History of Pakistan and compliments of science and technological achievements. Lecture delivered at the annual gathering of Pakistani community with Ambassador of Pakistan in Austria. 28 Mar. 2009, Salzburg, Austria.
62. *Research methods and project design. Department of Visual Studies, Univ. of Karachi, 4 March 2009.
63. *GIScience and chances for developing and transition countries, Winter Semester, 2008.
64. AGIT 2008: Symposium und Fachmesse Angewandte Geoinformatik, 2-4 July 2008, Salzburg, Austria.
65. Workshop on “Perspectives on Development Research”, 29 March 2008, LAI, Vienna, Austria.
66. GI-Forum 2008: Symposium and Exhibit in Applied Geoinformatics, 1-4 July 2008, Salzburg, Austria.
67. Workshop on Austrian and International Development Cooperation, Linz, Austria, 24-25 March 2007.
68. AGIT 2007: Symposium und Fachmesse Angewandte Geoinformatik, 4-6 July 2007, Salzburg, Austria.
69. Geoinformatics Forum 2007: Geospatial Crossroads. 3-6 July 2007, Salzburg, Austria.
70. International Conference on Quality of Urban Landscape; Indicators, Planning and Perspectives, 29-30 June 2007, University of Salzburg, Austria.

UNIVERSITY SERVICE

A. Teaching

A.1. Undergraduate

Humboldt University of Berlin, Germany (Geography Program)
- Green Infrastructure of Megacities (3312020), WiSe 2021

New York University, Berlin (Environmental Studies and Anthropology Program)
- Cities on the move: migration and urban landscapes, Fall 2017, Spring 2018, Fall 2018, Spring 2019, Fall 2019

University of Bayreuth, Germany (Sports Ecology Program)
- Ecology of Sport (HS+Ex)

University of Karachi, Pakistan (Geography Program)
- Man's Physical Environment; Study of Climate and Oceans (Geog: 301)
- Man's Physical Environment; Study of Landforms (Geog: 302)
- Introduction to Economic Geography (Geog: 401)
- World Regional Pattern (Geog: 402)
- Population and Settlement (Geog: 451)
- Map and Air Photo Analysis (Geog: 510)

A.2. Postgraduate

Technical University Berlin, Germany (Urban Management Program)
- Berlin's Green Spaces: Historical Narratives, Sustainability Conflicts, and Climate Adaptation Strategies

University of Bayreuth, Germany (Sports Ecology Program)
- Environmental Friendly Sport Development (HS)
- Principles, Concepts and Projects in Urban Tourism (HS)
- Fundamentals of Tourism and Destination Management (V)
- Impact (Ecological) Analysis of Outdoor Sport (HS)

University of Karachi, Pakistan (Geography Program)
- Urban Ecology (Geog: 706 & Geog: 697)
- Landscape Ecology (Geog: 784)
- Advanced Remote Sensing

A.3. Lab. work (practical/hands-on) supervision (Postgraduate level)
- Cartography (Geog: 506)
- Geographic Information Science (Geog: 607)
- Remote Sensing (Geog: 609)
- Environmental Management (Geog: 630)
- Advanced Remote Sensing

B. Research supervision and mentorship

B.1. Postdoctoral Scholars
- Dr. M. Nasar-u-Minallah, Assistant Professor, Govt. Postgraduate College Gojra, Pakistan, 2021-2022
- Prof. Dr. Safdar Ali Shirazi, The University of Punjab, 2014, 2017 (*two terms*)

B.2. Ph.D. thesis

Candidate	Degree programme	Institution	Year
Mahsa Tarashkar	Landscape Engineering	University of Tabriz, Iran	2023
Zahra Mokhtari	Environmental Planning	Shahid Beheshti University, Tehran, Iran	2022
S. Sadroddin Alavipanah	Landscape Ecology	Humboldt University of Berlin, Germany	2020
Mazhar Rizvi	Geography	University of Karachi, Pakistan	2015

B.3. M.S. thesis

Candidate	Degree programme	Institution	Year
Pratik Sirsikar	Urban Management	Technische Universität Berlin, Germany	2025
Akanksha Balpande	Urban Management	Technische Universität Berlin, Germany	2025
Sorat Sitthidumrong	Urban Management	Technische Universität Berlin, Germany	2024
Ekaterina Borisova,	Landscape Planning	Czech University of Life Sciences Prague, Czech Republic	2022
Florence Oberlin	Urban Sustainability and Design	University of Manchester, United Kingdom	2022
Zahra Nobar	Master of Landscape Engineering	University of Tabriz, Iran	2022
Lina Lange	Master of Global Change Geography	Humboldt University of Berlin, Germany	2022
Lingzhi (Carla) Zhang	Master of Global Change Geography	Humboldt University of Berlin, Germany	2022
Hongpeng Fu	M.S. in Landscape Architecture	Peking University, China	2021
Hua Jie	Master of Landscape Architecture	Peking University, China	2021
Syed Kabir	M.S., Environmental Sustainability	Birmingham City University, UK	2014
Lars Bomhauer-Beins	M.Sc., Human Geography	University of Hamburg, Germany	2014

B.4. MS Interns/Visiting Researchers/Exchange Students

- Auriane Delacroix, AgroParis Tech - Paris Institute of Technology for Life, Food and Environmental Sciences, France, 2022
- Ekaterina Borisova, Czech University of Life Sciences Prague, Czech Republic, 2022
- Florence Oberlin, University of Manchester, UK, 2022
- Klemen Beličič, University of Ljubljana/Urban planning Institute of the Republic of Slovenia, Slovenia, 2020
- Giulia Adelfio, Humboldt University of Berlin, Germany, 2016
- Charlie Didier Teisseire, McGill University, Canada, 2015
- Tine Mandonx, University of Leuven, Belgium, 2014-2015
- Abhyudai Dhawan, University of Freiburg, Germany, 2014

B.5. M.A./M.Sc. group projects in Geography (University of Karachi)

- Hina Zafar, Nasir Khan, Irfan Salahuddin, Asif Gul, 2007
- Saima Shaikh, Suhaib Bin Farhan, Syeda Sehrish Zaidi, Humaira Noor, Kanwal, 2006
- Nimra Mujeeb, Kausar Naz, 2005

B.6. B.S. project

- Syed Yousuf Ali, Computer Science, Dadabhoy University, Karachi, 2005

C. Graduate committees (External)

Acad. Qualification	Position/Role	Institution	Candidate	Year
Ph.D.	Examiner (Reviewer)	University of Peshawar, Pakistan	Moazima Sultan	2021
Ph.D.	Examiner (Reviewer)	University of Karachi, Karachi, Pakistan	M. Irfan Salahuddin	2019
Ph.D.	Examiner (Reviewer)	University of Punjab, Lahore, Pakistan	Khadija Shakrullah	2016
Ph.D.	Examiner (Reviewer)	University of Karachi, Pakistan	Sumaiya Bano	2014
Ph.D.	Examiner (Reviewer)	University of Karachi, Pakistan	Syed Zeeshan Abbas	2014
M.S.	Reviewer/Jury member	University of Hamburg, Germany	Lars Bomhauer-Beins	2014
Ph.D.	Reviewer/Jury Member	Centre of Ecology and Conservation Science, National Museum of Natural History, Paris, France	Zina Skandrani	2014
Ph.D.	Reviewer and Jury member	Lab. for Image, City and Environment, University of Strasbourg, France	Sajjad Hussain Sajjad	2013

D. Other examination committees

- Examiner (External), SUPARCO Institute of Technical Training, SUPARCO HQs, Karachi, 2010
- Senior Examiner, Geography, Aga Khan University Examination Board, Karachi, 2005-2006

E. Excursions/Field study supervision

- Supervision of field studies including site investigation, questionnaire survey, GPS mapping in urban and sub-urban Karachi for M.A./M.Sc. (final year) projects.

F. University Committee

- Inclusion, Diversity, Belonging and Equity (IDBE) Council, New York University Berlin, Germany, 2019.

G. MoU and cooperation agreement

- Organized an ERASMUS Cooperation agreement between Humboldt University of Berlin and Ian Mincu University of Architecture and Urbanism Bucharest Romania, 2020 – 2022
- Cooperation agreement (MoU) for urban and landscape ecology research between the University of Karachi, Pakistan and University of Salzburg, Austria, 2010 – 2012

H. Trainings imparted (As intensive courses, summer schools, workshops and training of trainers)

2019 (Nov.) Department of Regional Geography, University of Bucharest
Title: Informal urban spaces and cultural ecosystem services

2019 (Jul.) Department of Geography and Geology, University of Salzburg, Austria.
Title: SUNRAISE Summer School: Urban+Mountains

2017 (Jul.) Department of Geography and Geology, University of Salzburg, Austria.
Title: Sustainability of environment and development in urban regions

2017 (Jan.) Department of Geography, University of Karachi in collaboration with Society for Urban Ecology (SURE South Asia).
Title: 3D GIS in Spatial Ecology

2016 (Jul.) School of Ecological and Environmental Sciences, The Global Institute for Urban and Regional Sustainability, East China Normal University, Shanghai, China
Title: Benefiting from nature in growing cities

2015, 2014, 2013 (July) Institute of Sport Science, University of Bayreuth, Germany
Title: Summer School on Sport Ecology

2011 (Jul.) Institute of Space and Planetary Astrophysics (ISPA), University of Karachi, Pakistan.
Title: Introduction to ArcGIS

2010 (Nov.) Instructor, Ministry of Environment, Sustainable Land Management Program, Islamabad
Title: National Workshop on "Role of Spatial Technology (GIS & RS) in Sustainable Management of Land Resources"

2010 (Feb.) Instructor, Department of Computer Science/Umaer Basha Institute of Information Technology (UBIT), University of Karachi, Pakistan.
Title: Geographic Information System: Bridging Natural and Social Sciences

2009 (Feb.) Invited Speaker/Instructor, Department of Geography, University of Karachi, Pakistan.
Title: Landscape Ecology and Challenges of Global Environmental Changes

2008 Instructor, Department of Geography, University of Karachi, Pakistan.
Title: Introduction to Geographic Information System

2008 (Jan.) Instructor, Department of Minerals and Mines (DGMM), Govt. of NWFP, Pakistan. ArcGIS: ArcInfo, Spatial Analyst, 3D Analyst, Geostatistical Analyst, Arc SDE/ArcIMS

2007 (Nov.) Instructor, University of Balochistan, Quetta, Pakistan.
Title: Introduction to Geographic Information System

2007 (Aug.) Instructor, National Institute of Oceanography (NIO) Karachi, Pakistan.
ArcGIS with major extensions.

2006 Instructor, Department of Geography, University of Karachi, Pakistan.
Title: Introduction to Geographic Information System

2006 (May) Instructor, CCEE, NED University of Engineering and Technology Karachi, Pakistan.
Title: Advanced Geographic Information System

2005 Instructor, Department of Geography, University of Karachi, Pakistan.
Title: Introduction to Geographic Information System (Three courses)

2005 (Jul./Dec.) Instructor, CCEE, NED University of Engineering and Technology Karachi, Pakistan.
Title: Introduction to Geographic Information System (Two courses)

PROFESSIONAL AND TECHNICAL SKILLS

A. Satellite image processing

- ERDAS Imagine; ENVI; PCI GeoMatica; ER Mapper; Definiens Professional/eCognition

B. GIS and digital cartography

- ESRI ArcGIS; ESRI ArcView GIS; QGIS; MapInfo Professional; AutoCAD Map; SAGA GIS; Idrisi Kilimanjaro; VBA for ArcGIS; ArcIMS/ArcSDE

C. Quantitative analysis

- FRAGSTATS; SPSS; MS Excel; Minitab

D. Empirical research

- Conceptual/process modelling; Qualitative mapping; Questionnaire surveys; In-depth interviews; Focus group discussions

E. IT in general

- MS Office; Adobe Photoshop; MS Publisher; Adobe Dreamweaver; MS Front Page; Adobe Illustrator; Editing in HTML

F. GPS

- Lawrence, Magellan GPS Tracker SporTrack and Meridian

G. Teaching and course management

- Moodle, Blackboard, Albert, DigitalChalk

MEDIA COVERAGE AND APPEARENCES

- Exceptional Talent Immigrants in the UK. An interview/film by the UK Border Agency highlighting the achievements of the new Tier 1 immigration routes for international researchers and scientists, 2013.

- A success story of the "Best Ph.D. Dissertation Award by IALE, Germany". The Higher Education Commission (HEC), Pakistan website, published on 31 August 2010.
- Views on the prospects of geography studies for the students of the northern areas of Pakistan. Gilgit Baltistan TV, Program *Baithak*, 28 July 2010.
- A Prolific Pakistani Scholar who Wins Laurel (Prize Winner), ÖAD Alumni Newsletter 2/2008, pp.23.
- Interview on International Fellowship Achievement, Daily Jang, 11 Nov. 2006, pp.16.
- Coverage on International Fellowship Achievement, Daily Express, 2 Nov. 2006, pp.2.
- Coverage on Fellowship Achievement, Weekly Waadi, 21-27 Oct. 2006, pp.1.
- KU Researcher Wins the Laurel, The Nation, 17 Oct. 2006, pp. 3.
- Views on "The Development of Island Resorts in Karachi; a Geographical Perspective on Bundal Island", Apna Karachi, FM 107, Sono Karachi, October 30, 2006, 8:15 p.m.
- Views on "Contribution of Muslim Geographers in Science", AAJ TV, Ramzan Transmission, 2006.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

2019 -	Shotokan Karateka – competing at national and international level competitions
2017	Founding Chair, Huma Qureshi Merit Scholarship, University of Karachi, Pakistan
2013	Founding Chair, Razia Sultana Merit Scholarship, University of Karachi, Pakistan
2001 - 2003	Captained Cricket team: Department of Geography, University of Karachi, Pakistan
1999	Pride of Performance: awarded by the Sindh Junior Sports Association for successfully organizing and participating in the sports activities at district level in Karachi
1999	Cabinet Member: Young Blood Sports Club, Karachi, Pakistan
1996	Winner: Grand Final, All Karachi Quiz Competition, National Radio Pakistan, Karachi
1996	Semi-finalist: All Karachi Inter-school Badminton Championship, organized by the Sindh Junior Sports Association, Pakistan
1993	*Ittehad* (Unity) and *Tanzeem* (Discipline) Badges: awarded by the Gulistan Scout Pakistan

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Položka rozpočtu	FTE	sazba	2024		2025		2026		2027		Suma	Komentář k rozpočtu
			Dotace	Kofinancování	Dotace	Kofinancování	Dotace	Kofinancování	Dotace	Kofinancování		
Mzda příchozího vědce - Dr. Salman Qureshi	1	98 500,00	395 379,00	0,00	1 581 516,00	0,00	1 581 516,00	0,00	1 186 137,00	0,00	**4 744 548,00**	mzda po celou dobu 36 měsíců včetně zákonných odvodů
Osobní náklady ostatních členů týmu - Dr. Jan Macháček	0,4	53 000,00	0,00	85 096,80	0,00	340 387,20	0,00	340 387,20	0,00	255 290,40	**1 021 161,60**	mzda po celou dobu 36 měsíců včetně zákonných odvodů
Osobní náklady ostatních členů týmu - Doc. Jan Ženka	0,4	80 000,00	0,00	128 448,00	0,00	513 792,00	0,00	513 792,00	0,00	385 344,00	**1 541 376,00**	mzda po celou dobu 36 měsíců včetně zákonných odvodů
Osobní náklady ostatních členů týmu - Dr. Petr Dvořák	0,4	80 000,00	0,00	0,00	0,00	513 792,00	0,00	513 792,00	0,00	385 344,00	**1 412 928,00**	mzda po dobu 33 měsíců včetně zákonných odvodů, od r. 2025
Osobní náklady ostatních členů týmu - nový postdoktorand	0,3	43 000,00	0,00	0,00	207 122,40	0,00	207 122,40	0,00	155 341,80	0,00	**569 586,60**	mzda po dobu 33 měsíců včetně zákonných odvodů, od r. 2025
Příspěvek na výzkum - spotřební materiál	-	-	0,00	5 000,00	0,00	10 000,00	865,40	9 534,40	0,00	0,00	**25 399,80**	drobné vybavení a spotřební materiál
Příspěvek na výzkum - účast na konferencích	-	-	0,00	0,00	15 000,00	0,00	60 000,00	0,00	20 000,00	0,00	**95 000,00**	kalkulováno s průměrnou cenou za konferenční poplatek cca 15-25 tis. Kč, je v plánu cca 3-5 konferencí
Příspěvek na výzkum - cestovní náhrady	-	-	0,00	0,00	70 000,00	0,00	80 000,00	0,00	30 000,00	0,00	**180 000,00**	je kalkulováno s minimálně 5-6 služebními cestami, pro výpočet u tuzemských cest se počítá s cenou ve výši cca 15-20 tis./cesta, u zahraničních (převážně) konferencí se počítá s cenou cca 50-60 tis. Kč/cesta (v EU i mimo EU)
Příspěvek na přístup k large facilities v rámci EU	-	-	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	**0,00**	
Příspěvek na workshop - organizace networkingu, mezinárodního eventu atd.	-	-	0,00	0,00	30 000,00	0,00	40 000,00	0,00	30 000,00	0,00	**100 000,00**	organizace přednášek, networking...
Publikační náklady a náklady na uplatnění výsledku	-	-	0,00	0,00	30 000,00	0,00	70 000,00	0,00	60 000,00	0,00	**160 000,00**	průměrná částka cca 50 tis./publikace (vč. korektur apod.)
Příspěvek na mobilitu - náklady spojené s přesunem do ČR, náklady na ubytování v ČR	-	-	150 000,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	**150 000,00**	příspěvek na mobilitu na první cca 3 měsíce (náklady na přestěhování, ubytování apod.)
Příspěvek na rodinu - náklady související s přesunem rodiny do ČR a náklady spojené s pobytem	-	-	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	**0,00**	
											10 000 000,00	

Dotace	6 000 000,00
Kofinancování	4 000 000,00
	10 000 000,00

Zdroj:	2024	2025	2026	2027	suma
Dotace	545 379,00	1 933 638,40	2 039 503,80	1 481 478,80	**6 000 000,00**
Kofinancování	218 544,80	1 377 971,20	1 377 505,60	1 025 978,40	**4 000 000,00**
Suma	**763 923,80**	**3 311 609,60**	**3 417 009,40**	**2 507 457,20**	**10 000 000,00**

Rozpočet:	Dotace	Kofinancování	Suma			
osobní n.	5 314 135	3 975 466	**9 289 600**	5 314 000	3 976 000	9 290 000
spotřební m.	865	24 534	**25 400**	1 000	24 000	25 000
služby	255 000	0	**255 000**	255 000	0	255 000
cestovné	180 000	0	**180 000**	180 000	0	180 000
ostatní	250 000	0	**250 000**	250 000	0	250 000
	6 000 000	**4 000 000**	**10 000 000**	6 000 000	4 000 000	10 000 000