

2nd Annual online
**Health Geography Symposium for
PhD and Emerging Researchers**

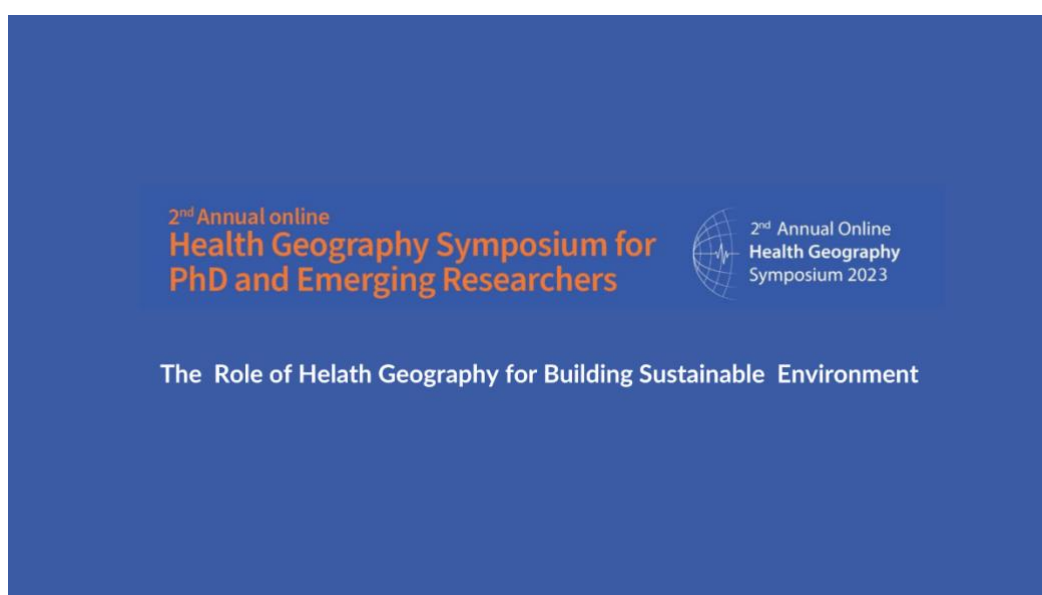


2nd Annual Online
Health Geography
Symposium 2023

14-15th DECEMBER 2023
12:00 to 15:00 (CET)

The Role of Health Geography for Building Sustainable Environment

Programme



Organised by the International Geographical Union
Commission on Health and the Environment (IGU CHE)

in collaboration with

Maastricht University, Netherlands / Coimbra University, Portugal / University of
Bucharest, Romania / Serampore Girls College, University of Calcutta, India



International Geographical
Union Commission on Health
and the Environment
(IGU CHE)



**Maastricht
University**



UNIVERSIDADE DE COIMBRA



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Organizing Committee



Abdoul Azize Millogo
Institut des Sciences des Sociétés (INSS)
Burkina Faso



Mariana Andreotti Dias
Federal University of Rio Grande do
Norte, Brazil



Alexandra Cioclu
University of Bucharest, Romania



Narendra Kumar
Hemavati Nandan Bahuguna Garhwal
University, Srinagar, Uttarakhand, India



Asrafal Alam
Serampore Girls' College,
University of Calcutta, India



Nayara Belle
University of Brasilia, Brazil



Eva Pilot
IGU CHE, Maastricht University, Netherlands



Ricardo Almendra
IGU CHE, Coimbra University, Portugal



Dennise Rodriguez
University of Brasilia, Brazil



Ronan Foley
Maynooth University, Ireland



Lilliana Dumitrache
IGU CHE, University of Bucharest, Romania



Shahnaz Basheer
Central University of Tamil Nadu, India



Michael R. Desjardins
Johns Hopkins Bloomberg School of Public
Health, Baltimore, Maryland



Sophie Vanwambeke
Université catholique de Louvain, Belgium

Organizers



**This event would not have been possible without the dedication and hard work
of the organising team.**

Thank You!

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Guidelines & Programme Schedule for the Participants

The online symposium will be held via ZOOM in one plenary room, and three breakout sessions

64 participants and presentations across diverse and related themes, including:

Health Geography | Climate Change and Health | Environment and Health | Gender and Health | Infectious Diseases and Health Geography | Migration and Health | Urban Health

Welcome!

Emerging scholars in Health and Health Geography frequently encounter obstacles when sharing their expertise and research abilities. The expanding prevalence of virtualization and digitalization in disseminating knowledge has led to the development of a virtual platform for knowledge exchange, addressing these challenges. The primary goal of the 2nd Annual Health Geography Symposium is to establish an open digital hub accessible to Ph.D. candidates and emerging researchers worldwide. This initiative seeks to empower young researchers, enabling them to express their perspectives and actively contribute to the collective knowledge of Health Geography.

All are welcome. You are encouraged to exchange ideas and engage with colleagues from other countries and continents. Curiosity is fostered here, so don't hesitate to ask those bugging questions!

How to access:

Enter the Zoom link below. You will be directly in the plenary room. You can assist to the event taking place on the plenary or go to a breakout room. 1st

Online Link and access details:

<https://maastrichtuniversity.zoom.us/j/88301352825?pwd=aVpXOFFmaVBpSG5OdjZ5K0hEQlBUZz09>

Meeting ID: 939 0091 6407 / Password: 727096 - **Join the symposium 10 minutes before the start.**

How to work with the Zoom platform:

Although you can connect virtually with Zoom Meetings without installing the software, we do recommend that you download and install it. No registration or fee is required for you to join a meeting via Zoom.

If you are not familiar with the platform, kindly see the following videos to learn the basic controls (e.g., navigate between breakout rooms, share screen, switch on/off mic and camera):

Joining a Zoom Meeting via link: https://www.youtube.com/watch?v=pAMDxH_H_Cs&t=2s&ab_channel=Zoom

Screen Sharing (for presenters): <https://youtu.be/02UmBR4UK58?t=108>

Breakout rooms: https://www.youtube.com/watch?v=02UmBR4UK58&t=159s&ab_channel=Zoom

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Guidelines for presenters:

- Each presenter has a fixed time for their presentation, 10 minutes for their presentation, followed by a 5-minute question and answers/comments session.
- Presenters (1st Author only) are encouraged to use their time wisely. Each plenary session will be overseen by a chair responsible for session coordination. Additionally, a senior scientist will be present to facilitate discussions.
- Details of the presentations should include a **problem statement, research methodology, study findings/results/implications, and conclusion.**
- Presenters must make their presentations (in PDF format) available to the conference organizers via email on or before Tuesday, 12th December 2023, 12:00 noon CET.
- Certificates will be provided to presenters after the symposium and sent to your designated email address.
- Presenters will receive feedback forms at the end of the symposium. Kindly take a moment to fill them out, as your input is highly valuable.
- Confirm your internet connection and video and audio settings before your session.
- Should you have any questions, do not hesitate to contact us at iguiche2022@gmail.com

We look forward to seeing you all soon!

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Programme Overview

Day	Time	Plenary room	Breakout room 1	Breakout room 2	Breakout room 3
14th December	12:00 - 12:30	Opening Session	*	*	*
	12:35 - 13:35	Ph.D. Outcome	Climate Change and Health	Environment and Health	Ph.D. Progress
	13:45 - 15:00	Ph.D. Outcome	Infectious Diseases and Health Geography	Environment and Health	Ph.D. Progress
15th December	12:00 - 13:00	Ph.D. Progress	Gender and Health	Gender and Health	Health geography
	13:10-14:40	Ph.D. Progress	Urban Health	Health geography	Health geography
	14:45 - 15:00	Closing session	*	*	*

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Conference Chair and Welcome address on behalf of the International Geographical Union Commission on Health and the Environment (IGU CHE)



Eva Pilot – Scientific Secretary of IGU CHE

Eva Pilot is a passionate, curious researcher and docent in global health. Her research interests cover health geography, health monitoring, maternal health, environment and health and health system research. She is the Scientific Secretary of the International Geographical Union Commission on Health and the Environment and co-chair of the Network on Health Geography

Research. Her work is nested in the Health Geography and System Thinking Group, embedded in the Health Law and Governance Group at Maastricht University, Netherlands.



Opening Lecture – Putting the "Health" in Health Geography

Michael R. Desjardins - Johns Hopkins Bloomberg School of Public Health, USA

Dr. Michael R. Desjardins is an Assistant Research Professor and core faculty member in the Spatial Science for Public Health Center & Department of Epidemiology at Johns Hopkins Bloomberg School of Public Health. His general research interests are medical geography, spatial epidemiology, spatial statistics and modeling, geostatistics, geo-visualization, mixed methods, and longitudinal analysis. His research has been and is currently funded by numerous intramural and extramural sources, including the NSF, NIH, and the Maryland Department of Health. Dr. Desjardins teaches numerous courses at Hopkins and supervises a variety of master's and PhD students and postdoctoral fellows. Dr. Desjardins is the Special Issues Editor for Health & Place, editorial boards for Wellbeing, Space and Society, and Cartography and Geographic Information Science (CaGIS). He also serves on the organizing committee for the upcoming 2024 International Medical Geography Symposium and is the United States representative for the International Geographical Union & Commission on Health and Environment.



Closing remarks on behalf of the International Geographical Union Commission on Health and the Environment (IGU CHE)



Liliana Dumitrache – Co-Chair of IGU CHE

Dr. Liliana Dumitrache is a Professor and Head of the Department of Human Geography at the University of Bucharest. Dr Dumitrache's current academic activity, research, and teaching is focussed on geodemography and geography of health and health care. She manages both master's and undergraduate degrees offered by her institution. She is the geographer to have introduced Geography of Health and Health Care as a teaching course in higher education curricula, along with researching this field in Romania. She is Co-Chair of the International Geographical Union Commission of Health and the Environment.

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Programme Schedule

14th of December

14 th of December		
Time	Opening Session	
12:00 - 12:30	Opening Session	
Plenary room	Eva Pilot	Welcome address and remarks on behalf of International Geographical Union (IGU) Commission on Health and the Environment
	Michael R. Desjardins	Plenary lecture on Putting the "Health" in Health Geography
12:35 - 13:35	Session 1	
Plenary room	Ph.D. Outcome Chair: Asraful Alam	Stunting and associated factors among under five children in Kolda region, in southern Senegal: Socio-spatial analysis <i>Cheikh Tidiane SAMB</i>
		Space-Time Analysis of Tuberculosis (2016-2020) in South Punjab, Pakistan <i>Munazza Fatima, Department of Geography, The Islamia University Bahawalpur Pakistan</i>
		Reducing the burden of anemia in Indian women of reproductive age through clean-air targets and increased crop diversity <i>Arup Jana, Dept. of Population & Development, International Institute for Population Sciences, India</i>
Breakout room 1	Climate Change & Health Chair: Ronan Foley	Cardiorespiratory Diseases and Hospitalizations Aggravated by Extreme Climate Variables in the Brazilian Amazon <i>Mariana Andreotti DIAS, PPgDEM/UFRN; FGVcemasp</i>
		Factors Affecting Public Awareness on low-carbon lifestyle-based stakeholders analysis in China <i>Yan Wu, Maastricht University</i>
		Contested Quantification for Planetary Health - A critical look at the datafication of nature <i>Paula Hepp, FHML Maastricht University</i>

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<p>Breakout room 2</p>	<p>Environment and Health Chair: Narendra Kumar</p>	<p>Introduction of Railways in Colonial Bengal and it's impact on Public Health: Few contradictory reports <i>Laboni Sarkar, West Bengal State University, Barasat</i></p> <p>Analyzing Inequality, Ecological Decline, and Cooling Island Effects for Improved Public Health in Urban Parks of Delhi <i>Priyanka Jha, Jamia Millia Islamia, India</i></p> <p>The interaction of Reminiscence Therapy plus walking interventions on cognitive performance and well-being of older adults with early stage dementia of Alzheimer Type. <i>Carmen Pocknell; Cassandra Dinius, Maynooth University</i></p> <p>The relationship between bronchial asthma, sanitation activity in landfill sites, and accessibility to sanitation facilities <i>Mădălina Aleca, Craiova University, Faculty of Medicine</i></p>
<p>Breakout room 3</p>	<p>Ph.D. Progress Chair: Liliana Dumitrache</p>	<p>Assessment of urban outdoor thermal comfort conditions as a factor influencing pedestrians wellbeing <i>Tiago Silva, University of Lisbon, Portugal</i></p> <p>Climate crisis adaptivity in urban primary healthcare <i>Jaqueline Hildebrandt, Institute of Hygiene and Public Health, University Hospital Bonn, Bonn, Germany</i></p> <p>Marine fishing and climate change: a China's perspective on fisheries economic development and greenhouse gas emissions <i>Yidan Xu, Maastricht University</i></p>
<p>13:45 - 15:00</p>	<p style="text-align: center;">Session 2</p>	
<p>Plenary room</p>	<p>Ph.D. Outcome Chair: Liliana Dumitrache</p>	<p>The impact of heat waves on mortality in São Paulo, Brazil: a space-time analysis of excess mortality among people aged 65 years and over <i>Sara Lopes de Moraes, University of São Paulo</i></p> <p>Determinants of geographic distribution of age-specific mortality in Dakar, Senegal. <i>Assane Niang Gadiaga, University of Southampton</i></p> <p>East Tennessee Older Women's Perceptions of Health Policies <i>Heather Davis, University of Tennessee</i></p>

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<p>Breakout room 1</p>	<p>Infectious Diseases and Health Geography Chair: Alexandra Cioclu</p>	<p>Impact of socio-economic factors on Tuberculosis treatment outcomes in Jigawa State, Nigeria: A Mixed Methods Study <i>Dr Muhammad Abdulkadir, Geography Department Sulle Lamido University Kafin Hausa Jigawa State</i></p> <p>Geospatial analysis of the Health-Associated Socio-economic and Infrastructural Disparities during COVID-19 in Kolkata Municipal Corporation <i>Tanmoy Basu, Department of Geography, Katwa College</i></p> <p>Excess Mortality due to Covid-19 Pandemic: A Global Scenario <i>Amrita Paul, Vidyasagar University</i></p> <p>Spatial Patterns, Hotspots, and Drivers of HIV/AIDS in Africa <i>Dorcas Olawuyi, Department of Geography, University of Ibadan</i></p> <p>Seasonal Incidence of Malaria and its Spatiality in Urban Expansion Zones in Manaus, Amazonas, Brazil <i>Rayane Almeida, Federal University of Amazonas</i></p> <p>Climate Variability's Impact on Residents' Health Quality in Southern Nigeria's Calabar River Basin <i>Abali Temple, Rivers State University</i></p>
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<p>Breakout room 2</p>	<p>Environment and Health Chair: Shahnaz Basheer</p>	<p>Spatial assessment of health infrastructure of Purulia district using GIS with special reference to tribal population <i>Gourab Dutta, Adamas University</i></p> <p>Territorial disparities in the distribution of healthcare units in the Bucharest-Ilfov Metropolitan Area after the Pandemic (the case of family physicians units) <i>Cristian Cazacu, University of Bucharest</i></p> <p>The access of the population from Romanian rural communities to sanitary equipments <i>AdrianToma, University of Bucharest</i></p> <p>Tourism, health, geography and their implications on building a sustainable environment <i>Ana Maria Agudaru, Alexandru Ioan Cuza University of Iasi</i></p> <p>Eccentric Effects of Plants: An Unavoidable Facet Of Human-Development <i>Sipra Biswas, Kultali Dr. B. R. Ambedkar College, West Bengal</i></p> <p>Eco friendly and sustainable technology in construction <i>Vikas Durgam, India</i></p>
<p>Breakout room 3</p>	<p>Ph.D. Progress Chair: Michael R. Desjardins</p>	<p>Caring for Older People Living with HIV in Long-Term Care in BC's Fraser Health Region <i>Leah Coppella, Simon Fraser University</i></p> <p>Does Prolonged Urban Exposure associate with elevated Obesity Among Rural-to-Urban Migrants in India? Insights from the Longitudinal Aging Study in India <i>Bittu Mandal, Indian Institute of Technology Indore</i></p> <p>Nature Based Solutions for Climate Change Impacts on Food Production in China <i>Pim Martens, University College Venlo, Maastricht University, The Netherlands</i></p> <p>Oral Health. Concept. <i>Alexandru Mihailescu, Faculty of Geography, "Simion Mehedinti Doctoral School", University of Bucharest</i></p>

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15th of December

15 th of December		
12:00 - 13:00	Session 3	
Plenary room	Ph.D. Progress Chair: Sophie Vanwambeke	Public policy issues surrounding the care of pregnant women in vulnerable situations in Ile-de-France <i>Maria IASAGKASVILI, University Rennes 2 - ESC - UMR ESO Rennes</i> Environmental Quality around Schools: A Privilege for the Wealthy or a Right for All? <i>Madeleine Guyot, UCLouvain, Earth & Life Institute, Earth and Climate, Belgium</i> The importance of spatial vector distribution models to prevent tick-borne diseases in cattle in Ecuador <i>Ximena Pérez-Otáñez, Earth & Life Institute, UCLouvain, Louvain-la-Neuve</i>
	Gender & Health Chair: Liliana Dumitrache	The role of family structure on family planning use of women in West Bengal: A perspective of three decades <i>Sourav Mondal, International Institute for Population Sciences (IIPS), India</i> Estimation of Mean Menopausal Age and its Variations across India: Evidence from large scale surveys <i>Ranjita Ghosh, Institute for Social and Economic Change, India</i> Exploring Nutritional Diets and Well-being Among Rural Scheduled Tribe Women in Reproductive age Group: A case of Canning Sub-division, South 24 Pargana District. West Bengal, India <i>Mst Tania, Parveen</i> Prevalence of Superstitions and Myths among rural Women's in relation to Health aspects in Malda District of West Bengal (India): A Micro Level Analysis <i>Md Areful Hoque, St. Xavier's College Mahuadanr Jharkhand India</i>
	Gender & Health Chair: Azize Millogo	Health Issues of Tiger Widows in the Sunderbans, West Bengal India <i>Debaroti Das, PND College, Palta</i> Assessing Women's Wellbeing in India <i>Hemant Mishra, Jamia Millia Islamia, New Delhi, India</i> Investigating Various Correlates Associated with Maternity Care Expenditure in India: Evidence from National Sample Survey Data <i>Abhishek Kumar Singh, Jawaharlal Nehru University, India</i>

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<p>Breakout room 3</p>	<p>Health Geography Chair: Ricardo Almendra</p>	<p>Access and Utilization of Healthcare Services in Wushishi Local Government Area of Niger State, Nigeria <i>Abdulmuakhhir Ishaq, Federal University of Technology Minna</i></p> <p>Bargarh District A Case Study of Cancer Patients <i>Boleshwar Patra, Panchayat College Bargarh, Odisha, India</i></p> <p>Accessibility to cardiovascular hospitals in Romania <i>Alexandra Cioclu, University of Bucharest, Faculty of Geography</i></p> <p>Comparative study on Efficiency of primary health centers: Geographical disparities to access health care service in Kerala, India <i>Rahna N N, India</i></p>
<p>13:10 - 14:40</p>	<p>Session 4</p>	
<p>Plenary room</p>	<p>Ph.D. Progress Chair: Sophie Vanwambeke</p>	<p>Trends and Patterns of Elderly Population Growth in Urban Dynamics in India <i>Abhishek Kumar Singh, Jawaharlal Nehru University, India</i></p> <p>Tourist mobility – principles, models, and integrated policies of organizing and planning for tourist travels. <i>Maria-Alexandra Ivanescu, Ion Mincu University of Architecture and Urban Planning</i></p> <p>One Health and Social Ecology, an approach to vector-borne disease research: Case study - Lyme borreliosis in Bonn <i>Maria Luisa Espinel-Ramos, Graduate School One Health & Urban Transformation - Center for Development Research - University of Bonn</i></p>

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<p>Breakout room 1</p>	<p>Urban Health Chair: Alexandra Cioclu</p>	<p>Cardiovascular disease morbidity and mortality: modelling of risk factors in Lisbon Metropolitan Area, Portugal <i>João Pedro Marques-Reis, Centre of Geographical Studies, Institute of Geography and Spatial Planning, University of Lisbon</i></p> <p>The Perception of Noise in Coimbra <i>Catarina Ferrão, Geography and Tourism Department, University of Coimbra</i></p> <p>A Spatial Regime Analysis of Motorcycle Accidents in Nigeria <i>Judah Moyin-Jesu, Department of Geography, University of Ibadan</i></p> <p>The importance of Lisbon's urban environment for well-being <i>Iuria Betco, Institute of Geography and Spatial Planning</i></p> <p>Impact of Urbanization and Mining Activities on Ecosystem Health in the Asansol-Durgapur Industrial Region of West Bengal in India <i>Manirul Islam, Aliah University, India</i></p>
<p>Breakout room 2</p>	<p>Health Geography Chair: Mariana Andreotti Dias</p>	<p>Analysing Depression among Adolescents and Young Adults across Uttar Pradesh and Bihar <i>Sneha Kumari, The INCLEN Trust International, New Delhi, India</i></p> <p>Exploring Spatial Clusters of Respiratory Diseases in South Punjab, Pakistan: A Geospatial Epidemiological Analysis <i>Neda Firouraghi, Mashhad University of Medical Sciences</i></p> <p>A study on health linkages and nutritional status among women of Thiruvananthapuram District, Kerala, India <i>Shahnaz Basheer, Central University of Tamil Nadu, Thiruvavarur, India</i></p> <p>Childhood Undernutrition across Caste/Ethnic Groups in India: Prevalence, Determinants, and Transition from 2005–2006 to 2019–2021 <i>Pritam Ghosh, Ramsaday College, Haora, West Bengal 711401, India</i></p> <p>Retail Trade and Availability of in Natural and Ultra-Processed Foods in a Brazilian Metropolitan Area <i>Gomes da Silva Verônyky, CCS – UFPE</i></p>

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<p>Breakout room 3</p>	<p>Health Geography Chair: Asrafal Alam</p>	<p>On the Margins: Exploring Barriers to Health Service Accessibility for Tribal Women in India <i>Zainul Abedin, Jamia Millia Islamia, India</i></p> <p>Groundwater Arsenic Risk Assessment for Human Health Geography of Deltaic West Bengal, India <i>Debaroti Das, PND College, Palta</i></p> <p>Exploratory study on accessibility to healthy food options. Case study: Dambovita, Romania <i>Angelo Andi Petre, University of Bucharest, Faculty of Geography</i></p> <p>Status, problematics and challenges on post-pandemic health systems: comparison of Madagascar and Romanian people's access on health care in the last five years <i>Yolande Raharilantsoa, Mention Géographie, University of Antananarivo</i></p> <p>The Difference and Relationship between Health and Socio-Economic Status of the Paddy Cultivators - A Analytical Study on Koch Bihar District, West Bengal <i>Abdul Halim Miah, University of North Bengal, India</i></p>
<p>14:45 - 15:00</p>	<p>Closing Session</p>	
<p>Plenary room</p>	<p>Liliana Dumitrache</p>	<p>Closing remarks on behalf of International Geographical Union (IGU) Commission on Health and the Environment</p>

*Only the presenter is listed in the programme schedule, all authors can be located in the Abstract volume.