

**Debarchana (Debs) Ghosh**

Department of Geography | Institute for Collaboration on Health Intervention and Policy |  
University of Connecticut (UConn), Storrs, CT 06269 | [debarchana.ghosh@uconn.edu](mailto:debarchana.ghosh@uconn.edu)

**EDUCATION**

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2005 – 2009 **Ph.D.** Geography. University of Minnesota Twin Cities (UMN)  
2002 – 2004 **M.Phil.** Population Studies. Jawaharlal Nehru University (JNU), India  
2000 – 2002 **M.A.** Geography. JNU, India  
1997 – 2000 **B.Sc.** Geography. Presidency College, University of Calcutta, India

**PROFESSIONAL EXPERIENCE**

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2022 – Present **National Councilor.** American Association of Geographers (AAG)  
2017 – Present **Associate Professor.** Department of Geography. UConn, Storrs  
2011 – Present **Principal Investigator.** Institute for Collaboration on Health, Intervention, and Policy (InCHIP). UConn, Storrs  
2011 – Present **Faculty Affiliate.** Center for Interdisciplinary Research on AIDS (CIRA). School of Medicine, Yale University  
2011 - 2017 **Assistant Professor.** Department of Geography. UConn, Storrs  
2009 - 2011 **Assistant Professor.** Department of Geography. Kent State University (KSU)

**RESEARCH INTERESTS AND EXPERIENCE**

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Health Geography, Global Health, Health Disparity, Structural and Social determinants of health, Social Justice, Spatial Analysis, Social Network Analysis, Mixed Methods

**EXTRAMURAL GRANTS AWARDED**

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| 2023 - 2028 | <b>Multi-Principal-Investigator</b><br><i>Multidimensional structural racism and moderating role of psychosocial resources on cancer-control behaviors in African Americans</i><br>PI: Ghosh, UConn; and Knott, UMD<br>Funded by National Institute on Minority Health and Health Disparities, #R01MD018437 | <b>\$3,247,783</b> |
| 2023 - 2026 | <b>Co-Investigator</b><br><i>Isolation and Loneliness Underlying Misuse and Increased Use of Alcohol as a Function of Stress and Coping Efforts</i><br>PI: Park, UConn<br>Funded by National Institute on Alcohol Abuse and Alcoholism, #R01AA029828  | <b>\$1,371,562</b> |
| 2023 - 2025 | <b>International Co-Principal Investigator</b><br>Educational and Health Interventions for Development in Bihar, India<br>PI: Raj (IIT-Patna, India); Prasad (JHU)<br>Funded by Scheme for Promotion of Academic and Research Collaboration (SPARC), Government of India, #1616                             | <b>\$56,954</b>    |

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|-------------|---|--------------------|
| 2023 - 2027 | <p><b>Co-Principal Investigator (PI UConn Subaward)</b><br/> <i>Multi-level drivers of cancer disparities impacting African Americans</i><br/>                     PI: Knott, University of Maryland<br/>                     Funded by American Cancer Society, #RSG-22-103-01-CPSH</p>  | <b>\$800,000</b>   |
| 2022 - 2026 | <p><b>Co-Investigator</b><br/> <i>DSFAS-CIN: Harnessing Mobility Big Data and Artificial Intelligence Through a Transdisciplinary Research Network in Food Production, Processing, and Consumption Systems</i><br/>                     PI: Connolly, UConn<br/>                     Funded by USDA/National Institute of Food and Agriculture.</p> | <b>\$1,000,000</b> |
| 2018 - 2020 | <p><b>Co-Investigator (PI UConn Subaward)</b><br/> <i>Effects of foreclosures on community health and neighborhood de-stabilization: A mixed method approach</i><br/>                     PI: Kemple, Connecticut Fair Housing Center<br/>                     Funded by Connecticut Bar Foundation.</p>  | <b>\$150,000</b>   |
| 2016 - 2021 | <p><b>Faculty Mentor</b><br/> <i>Training in Social Processes of AIDS. T32</i><br/>                     PI: Kalichman, UConn<br/>                     Funded by National Institute of Mental Health, #T32MH074387</p>   | <b>\$2,183,570</b> |
| 2014 - 2020 | <p><b>Principal Investigator</b><br/> <i>Connecting People, Places, and Barriers: The effect of these connections on adherence and retention in care for HIV-positive drug users</i><br/>                     Funded by National Institute on Drug Abuse, #K01DA037794</p>  | <b>\$890,892</b>   |
| 2011        | <p><b>Principal Investigator</b><br/> <i>Research Grant</i><br/>                     Funded by AAG</p>  | <b>\$1,000</b>     |

**INTRAMURAL GRANTS AWARDED**

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|-------------|---|-----------------|
| 2023 - 2025 | <p><b>Co-Investigator</b><br/> <i>Evaluating the Impact of Food Policy Environment on Retail Food Shopping: A Data-driven Approach</i><br/>                     PI: Chen, UConn<br/>                     Funded by InCHIP Research Funding, UConn</p>                                       | <b>\$25,000</b> |
| 2023 - 2024 | <p><b>Co-Investigator</b><br/> <i>Evaluating the Impact of Food Policy Environment on Retail Food Shopping: A Data-driven Approach</i><br/>                     PI: Chen, UConn<br/>                     Funded by UConn Alan R. Bennett CLAS and Public Health Policy Research Funding</p> | <b>\$22,332</b> |
| 2023 - 2024 | <p><b>Faculty Mentor</b><br/> <i>Bronchiolitis hospitalization clusters among our children: Drawing a health disparities map of Connecticut</i><br/>                     PI: Hogan, University of Connecticut Health Center (UCHC)<br/>                     Funded by UCHC</p>              | <b>\$10,000</b> |

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|-------------|---|----------|
| 2022 - 2023 | <b>Principal Investigator</b><br><i>Interdisciplinary Approach for Measuring the impact of Structural Racism and Discrimination on Health Disparity</i><br>Funded by College of Arts and Sciences (CLAS), UConn | \$35,000 |
| 2022 - 2023 | <b>Principal Investigator</b><br><i>Construction of a Multidimensional Index for Structural Racism and Discrimination</i><br>Funded by InCHIP, UConn  | \$15,000 |
| 2021 - 2022 | <b>Co-Investigator</b><br><i>Misinformation Clusters and COVID Outbreaks</i><br>PI: Fischer, Mary<br>Funded by CLAS, UConn  | \$35,326 |
| 2013 - 2014 | <b>Multiple Principal Investigator</b><br><i>CIRA/InCHIP Multi-Institutional Pilot Grants</i><br>Funded by InCHIP, UConn  | \$50,000 |
| 2012 - 2014 | <b>Principal Investigator</b><br><i>The Fund for Innovative Education in Health and Society</i><br>Funded by CLAS, UConn  | \$50,000 |
| 2012 - 2014 | <b>Principal Investigator</b><br><i>Faculty Large Grant</i><br>Funded by CLAS, UConn  | \$25,000 |
| 2010 - 2011 | <b>Principal Investigator</b><br><i>Summer Research</i><br>Funded by Kent State University (KSU)  | \$6,500  |

#### PEER-REVIEWED PUBLICATIONS

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Link to Google Scholar: <https://scholar.google.com/citations?user=4SsQUu0AAAAJ&hl=en&oi=ao>

\* Student; +Corresponding Author; \*\*Joint first authors

1. Layburn, J.\*, and **Ghosh, D<sup>+</sup>**. Geographic pattern of access (or lack thereof) to information on Mpox in the United States. *American Journal of Public Health*. **Under Review**.
2. Adams, A. \*, **Ghosh, D<sup>+</sup>**., Gallaher, A., Benitez Ou, A., and Zhang, C. Relation between extreme weather events, mobility, and health: A cases study of COVID-19 outbreaks. *Applied Geography*. **Under 2<sup>nd</sup> Review**.
3. Clark, E., Ma, L., Rigdon, S., Williams, B., Park, C., **Ghosh, D.**, Woodard, N., and Holt, C. Identifying Variation in Physical Health Behaviors and Depressive Symptoms among Religiosity Clusters of African American Adults. *Journal of Religion and Health*. **Under Review**.
4. Adams, A. M.\*, Gallaher, A. \*, & Benitez Ou, A. \*, Chen, X., Li, W., Zhang, C., Mrozinski, R., and Ghosh, D<sup>+</sup>. (Anticipated print in Fall 2024). Mapping COVID-19: Applying Ethical Strategies in Web Mapping Decisions. *Cartographic Perspectives*. **Accepted**.

5. Radhakrishnan, T., Manimekalan, A., **Ghosh, D.** et al. Identifying high-vulnerable garbage accumulation areas in Coimbatore City, India: an AHP-GIS approach for effective waste management. *Environ Sci Pollution Res* (2024). <https://doi.org/10.1007/s11356-024-32486-9>
6. Adams, A. M.\*, **Ghosh, D.**\*, Chen, X., Li, W., Zhang, C., Gallaher, A., & Benitez Ou, A. (Anticipated 2024). Using geospatial visualizations to better understand public health data. In L. P. Cantwell-Jurkovic & T. E. Parece (Eds.), *Spatial Literacy in Public Health* (pp. TBD). ACRL Books.
7. Bhattacharya, S\* and **Ghosh, D**+. 2024. MAHI: A multidimensional access to healthcare for hijra, kothi, and transgender individuals. *International Journal of Transgender Health*. DOI: 10.1080/26895269.2023.2301306
8. Ran X., Huang X., Zhang K., Lyu W., **Ghosh D.**, Li Z., Chen X. 2023. Integrating human activity into food environments can better predict cardiometabolic diseases in the United States. *Nature Communications*. 14 7326. Doi: <https://doi.org/10.1038/s41467-023-42667-8>
9. Woodward, N.\*, Butler, J., **Ghosh, D.**, Green, KM., and Holt, C. 2024. The association between state-level structural racism and alcohol and tobacco use behaviors among a national probability sample of Black Americans. *Cancer Epidemiology, Biomarkers & Prevention*. DOI: <https://doi.org/10.1158/1055-9965.EPI-23-0873>
10. Jiang, Q. \*, **Ghosh, D.**, Steinbach, S., and Cooksey, KS. 2023. A Longitudinal Assessment of Racial and Ethnic Inequities in Food Environment Exposure and Retail Market Concentration. *Public Health Nutrition*, 1-12. doi:10.1017/S1368980023001179
11. Zhang, P. \*, **Ghosh, D.** and Park, S. 2023. Spatial Measures and Methods in Sustainable Urban Morphology: A Systematic Review. *Landscape and Urban Planning*. 237. <https://doi.org/10.1016/j.landurbplan.2023.104776>
12. Difalco, S.\*, Morzillo, A., and **Ghosh, D.** 2022. Interpolating Resident Attitudes toward Exurban Roadside Forest Management. [Special issue: Strengthening bidirectional linkages between social and ecological systems in landscape ecology] *Landscape Ecology* <https://doi.org/10.1007/s10980-022-01537-2> [Available online] \*[2023 Outstanding Paper in Landscape Ecology Award](#)\*
13. Clark, E., Ma, L., Williams, B., **Ghosh, D.**, Park, C., Schulz, E., Woodard, N., & Holt, C. 2023. A longitudinal study of social, religious, and spiritual capital and physical and emotional functioning in a national sample of African Americans. *Journal of Community Psychology*. 51(3), 978–997.
14. Bhattacharya, S\*., **Ghosh, D**+, and Purkayastha, B. 2022. Transgender Persons (Protection of Rights) Act of India: An analysis of substantive access to rights of a transgender community. *Journal of Human Rights and Practice*. 14(2) 676:697.
15. Ranjit Y., Krishnan A., **Ghosh D.**, Cravero C., Zhou X, Altice FL. 2022. mHealth Intervention to Improve Treatment Outcomes Among People with HIV Who Use Cocaine: Protocol for Pilot Feasibility Study. *JMIR Research Protocols*. 11(3): e28332.
16. Clark, E., Ma, L., Williams, B., Park, C., Holt, C., Schulz, E., **Ghosh, D.** 2022. Social Support as a Mediator of the Personality-Physical Functioning Relationship in a National Sample of African Americans: A Two-Wave Longitudinal Study. *The Journal of Black Psychology*. 48(1):43-66.
17. Shannon, J., Reese, A., **Ghosh, D.**, Widener, M., and Block, D. 2021. More than Mapping: Improving Methods for Studying the Geographies of Food Access. *American Journal of Public Health*. 111(8):1418-1422.

18. Schulz, E., **Ghosh, D.**, Clark, E.M., Williams, B.R., Knott, C., Ma, L., Park, C. L., & Williams, R. 2022. Disability and health in African Americans: Population research and Implications for the Occupational Therapy Workforce. *The Open Journal of Occupational Therapy*. 10(1), 1-19.
19. BenBella, Diane\*. and **Ghosh, D**<sup>+</sup>. 2021. Combining geospatial analysis with HIV care continuum to identify differential HIV/AIDS treatment indicators in Uganda. *The Professional Geographer*. 73(2): 213-229.
20. Bhattacharya, S\*. and **Ghosh, D**<sup>+</sup>. 2020. Studying physical and mental health issues among Hijra, Kothi and Transgender community in urban India. *Social Science and Medicine*. 265:113412.
21. Clark, E., Ma, L., Park, C., Schulz, E., Williams, B., Holt, C., **Ghosh, D.** 2020. A longitudinal examination of social support as a mediator of the personality-health relationship in a national sample of African Americans. *The Journal of Black Psychology*. 46(8):607-637.
22. Williams, B., Williams, Randi., Clark, E., Schulz, E., Park, C., **Ghosh, D.**, Holt, C. 2020. Marital status and depressive symptoms in African Americans: The moderating role of social and religious resources. *Journal of Family Issues*. 42(7), 1403–1428.
23. Wang, Y., Xu, R., Schwartz, M., **Ghosh, D.**, and Xiang, C. 2020. COVID-19 and Retail Grocery Management: Insights from a Broad-based Consumer Survey. *IEEE Engineering Management Review*. 48(3), 202-211.
24. Knott, CL., **Ghosh D.**, Williams, BR., Park, C., Schulz, E., Williams, RM., He, X., Stewart, K., Bell, C., Clark, EM. 2020. Do neighborhood characteristics contribute beyond individual demographics to cancer control behaviors among African American adults? *Cancer Epidemiol*. 64:101666.
25. Li, Xiaojiang\*, and **Ghosh, D.** 2018. Associations between Body Mass Index and Urban “Green” Streetscape in Cleveland, Ohio, USA. *International Journal of Environmental Research and Public Health*. 15(10): 2186.
26. Sander, H., **Ghosh, D.**, and Hodson, CB. 2017. Are greener neighborhoods healthier? Varying associations between body mass index and urban green space. *Urban Forestry and Urban Greening*. 26: 1-10.
27. **Ghosh, D**<sup>+</sup>, Krishnan, A., Gibson, B., Brown, S., Latkin, CA., and Altice, FL. 2016. Social Network Strategies to Address HIV Prevention and Treatment Continuum of Care Among At-risk and HIV-infected Substance Users: A Systematic Scoping Review. *AIDS and Behavior*. 21(4):1183-1207
28. Zhang, Mengyao\*, and **Ghosh, D**<sup>+</sup>. 2015. Spatial supermarket redlining and neighborhood vulnerability: A case study of Hartford in Connecticut. *Transactions in GIS*. 20 (1): 79-100.
29. Denton, CJ. \*, **Ghosh, D.**, Taxman, FS., Altice, FL. 2015. Geographic accessibility to addiction, mental health, and HIV/AIDS healthcare services for opioid-dependent clients. *Addiction Science & Clinical Practice*. 10 (Suppl 1): A10.
30. **Ghosh, D**<sup>\*\*\*</sup>, Gibson, BG\*, Morano, JP., and Altice, FL. 2014. Accessibility and utilization patterns of a mobile medical clinic among vulnerable populations. *Health and Place*. 28:153-166.
31. Martin K., **Ghosh, D.** <sup>+</sup>, Page M., Wolff M., McMinimee K., and Zhang, M.\* 2014. What role do local grocery stores play in urban food environments? A case study of Hartford Connecticut. *PlosOne*. 9(4): e94033.
32. **Ghosh. D.**<sup>+</sup> and Guha, R. 2013. What are we ‘tweeting’ about obesity? Mapping tweets with Topic Modeling and Geographic Information System. *Cartography and Geographic Information Science. Special Issue of ‘Mapping Cyberspace’*. 40(2): 90-102.

33. **Ghosh, D.**<sup>+</sup>, Sterns, A., Drew, B., and Hamera, E. 2011. Geospatial Analysis of Psychiatric Mental Health Advanced Practice Nurses in the United States. *Psychiatric Services*. 62: 1506-1509.
34. **Ghosh, D.**<sup>+</sup>, and Guha, R. 2011. Using a neural network for mining interpretable relationships of West Nile risk factors. *Social Science and Medicine*. 72(3): 418 – 429.
35. **Ghosh, D.**<sup>+</sup> 2011. How does a heterogeneous urban environment facilitate West Nile virus transmission in the Twin Cities Metropolitan Area of Minnesota? *Ed: Geospatial Analysis of Environmental Health*. Publisher: Springer-Verlag. Chapter 7: 153-169.
36. Sanders, H., **Ghosh, D.**, Riper, DV., and Manson, SM. 2010. How do you measure distance to open space? Impacts of different types of distance on open space values calculated using a hedonic pricing model. *Environmental and Planning B*. 37: 874 - 894.
37. **Ghosh, D.**<sup>+</sup>, and Guha, R. 2010. Use of genetic algorithm and neural network approaches for risk factor selection: A case study of West Nile virus dynamics in an urban environment. *Computers, Environment and Urban Systems*. 34(3): 189-203.
38. **Ghosh, D.**<sup>+</sup>, and McMaster, RB. 2010. *Manual of Geospatial Science and Technology, 2/e*. Contributed to Chapter 34: *Biophysical and Human-Social Applications*. Pg 669 - 687. Taylor and Francis Group LLC, Boca Raton, Florida.
39. **Ghosh, D.**<sup>+</sup>, and Guha, R. 2010. A Risk factor analysis of West Nile virus: Extraction of relationships from a neural-network model. In *Proceedings: International Conference on Social Computing, Behavioral Modeling, and Prediction*. 6007:208 – 217. LNCS 6007. Springer.
40. **Ghosh, D.**<sup>+</sup>, Manson, SM., and McMaster, RB. 2010. Delineating West Nile Virus transmission cycles at various scales: The Nearest Neighbor Distance-Time model. *Cartography and Geographic Information Science*. 37(2): 149 – 163.
41. Manson, SM., Sander, HA., **Ghosh, D.**, Oakes, JM., Orfield, MW., Craig, WJ., Luce, TF., Myott, E., Sun. S. 2009. Parcel data for research and policy. *Geography Compass*. 3(2): 698 – 726.
42. **Ghosh, D.**<sup>+</sup>, and Manson, SM. 2008. Robust Principal Component Analysis and Geographically Weighted Regression: Urbanization in the Twin Cities Metropolitan Area. *The URISA Journal*. 20(1): 15 – 25.
43. **Ghosh, D.**<sup>+</sup>. 2007. West Nile Virus. In P. Robbins (ed.) *The Encyclopedia of Environment and Society*. London: Sage Publications.
44. **Ghosh, D.**<sup>+</sup>. 2007. Infant Mortality Rate. In P. Robbins (ed.) *The Encyclopedia of Environment and Society*. London: Sage Publications.
45. **Ghosh, D.**<sup>+</sup>. 2007. Epidemics. In P. Robbins (ed.) *The Encyclopedia of Environment and Society*. London: Sage Publications.
46. **Ghosh, D.**<sup>+</sup>. 2007. Predicting Vulnerability of Indian Women to Domestic Violence Incident. *Research and Practice in Social Sciences*. 3(1): 48 – 72.
47. **Ghosh, D.**<sup>+</sup> 2006. Effect of Exposure to Electronic Mass Media on the Knowledge and Use of Prenatal Care Services: A Comparative Analysis of Indian States. *The Professional Geographer*. 58(3):278 -293.

## AWARDS

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*\*In Collaboration with Student(s)*

- 2022 \*UConn's Provost's Award for Excellence in Community Engaged Scholarship for the 'COVID-19 Mapping Project'
- 2021 \*Finalist for 2020 ESRI's Story Map Competition. 'SHAKTI: Transforming transgender healthcare'
- 2021 \*UConn's President COVID Recognition Award for Geography Department's 'COVID-19 Dashboard for the State of Connecticut'
- 2016 Training award on 'Optimization of Behavioral and Biobehavioral Interventions' organized by National Institute of Health (NIH)
- 2015 Emerging Scholar Award in Health and Medical Geography (HMSG) of AAG
- 2011 Award from Institute on Systems Science and Health. Office of Behavioral and Social Science Research of NIH and Center for Disease Control and Prevention
- 2011 Finalist for 2011 J. Warren Nystrom Award. AAG
- 2010 Faculty Excellence Award. KSU  
Jacques May Thesis Prize. HMGSG, AAG

## INVITED PRESENTATIONS (INTERNATIONAL)

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1. **Ghosh, D.** January 2021. "Smarter Geographical Research". *Webinar at Lady Brabourne College, West Bengal, India.* (Virtual)
2. **Ghosh, D.** November 2020. "Towards Geographical Praxis for Social Justice". *Webinar at East Calcutta Girl's College, West Bengal, India.* (Virtual)
3. **Ghosh, D.** September 2019. Studying Intersection of Substance Abuse and HIV Transmission from a Spatial Lens. *College of Health Science. Makerere University. Kampala, Uganda.*
4. **Ghosh, D.** September 2019. Studying Intersection of Substance Abuse and HIV Transmission from a Spatial Lens: Past, Current, and Future Research. *College of Computing and Information Science. Makerere University. Kampala, Uganda.*
5. **Ghosh, D.** March 2018. Project SMART: A Randomized Controlled Trial for Improving ART Adherence. *Research Forum, School of CAPHRI Care and Public Health Research Institute, Maastricht University, Netherlands.*
6. **Ghosh, D.** January 2018. Connected Technologies for "Smarter" Geographical Health Research. *Geo-Research Forum, Geography Department, University of Delhi, New Delhi, India.*
7. **Ghosh, D.** January 2018. Connected Technologies for "Smarter" Geographical Health Research. *Colloquium Series, Centre for the Study of Regional Development, Jawaharlal Nehru University, New Delhi, India.*
8. **Ghosh, D.** December 2016. Geographic Information System and Social Media Data. *Presidency University, West Bengal, India.*
9. **Ghosh, D.** December 2014. Health =  $f(\text{Geography})$ . *Seminar Series, Presidency University. Kolkata, West Bengal, India.*

## INVITED PRESENTATION (UNITED STATES)

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1. **Ghosh, D.** March 2024. Invited Speaker for the Great Decision Program organized by the World Affairs Council of Western Michigan. *A Geographic Perspective of Global to Local Health Disparities*. Grand Rapids, Michigan.
2. **Ghosh, D.** March 2024. Invited Speaker at the Aquinas College. *What is Health Geography?* Grand Rapids, Michigan.
3. **Ghosh, D.** December 2023. Invited Panelist for a session on 'Data Equity for Enhanced Resilience: Bridging Gaps, facilitating Sharing, and Shaping Tomorrow's Plans' at 2023 CIRCA Summit on A Climate Resilience Roadmap for Connecticut.
4. **Ghosh, D.** November 2023. Invited Panelist for a session on 'Complicated work in difficult times' at SEDAAG's Annual Conference. (Virtual)
5. **Ghosh, D.** October 2023. Invited Speaker for Williams and Mary University's Center for Geospatial Analysis virtual Lecture Series. "*Health Geography ~ f(Place, People, and Health)*" (Virtual)
6. **Ghosh, D.** June 2023. Invited Panelist for a session on [Mentorship in Higher Education](#). 2023 UCGIS Symposium. Yale University, New Haven.
7. **Ghosh, D.** June 2023. Invited Speaker at *Geography Faculty Development Alliance (GFDA) Department Leadership Workshop*. (Virtual)
8. **Ghosh, D.** November 2022. Invited Speaker for Population Research Institute of Penn State University Brown Bag Lecture Series. "*Health and Place: Why, what, and how?*"
9. **Ghosh, D.** October 2022. Invited Speaker for HMGSG of AAG's Speaker Series. "*Can you get a Big Mac or an Apple? It depends upon where you live: A Youth Photovoice Project*". (Virtual)
10. **Ghosh, D.** October 2021. "Towards Social Topology: Connecting people, places, things, and policies in GIS". Colloquium Speaker, Department of Geography, Clark University.
11. **Ghosh, D.** June 2021. "GIS For Community Health" session at the University Consortium for Geographic Information Science (UCGIS) Symposium 2021. (Virtual)
12. **Ghosh, D.** September 2018. Connecting People, Things, and Places in GIS. Invited Keynote Speaker at the 2018 NYS Geospatial Summit. Welch Allyn Lodge in Skaneateles, New York.
13. **Ghosh, D.** November 2016. Beyond the Ivory Tower: Integrating Research and Teaching using Community Based Participatory Research. *Colloquium Forum Speaker at the Department of Geography and Environment*, San Francisco State University, California.
14. **Ghosh, D.** August 2015. A conceptual framework for integrating social networks and activity space of HIV-positive opioid users. *YCCR Research-in-Progress Seminar*. Center for Interdisciplinary Research on AIDS, Yale School of Medicine.
15. **Ghosh, D.** April 2015. Geographic context and exposure estimation for understanding health behaviors: Lessons and challenges from drugs, diet, weight, and physical activity in NIH-funded research. *Panel organized by NIH, NIDA, NCI at the 2015 AAG Annual Meeting, Chicago, Illinois*.
16. **Ghosh, D.** November 2014. Do residents of Hartford, Connecticut live in a food desert? What role do local grocery stores play in urban food environments? Geography Awareness Week for the Department of Geography and the Office of Sustainability. Southern Connecticut State University.



17. **Ghosh, D.** April 2011. Food, Food Everywhere, and Not a Healthy Bite to Eat: Identifying Food Deserts in Cleveland, Ohio. *Department of Geography and Planning*, University of Akron.
18. **Ghosh, D.** December. 2010. Future Trends in Geographic Information Science for Environmental Health. *Department of Geography*, University of Wisconsin-Milwaukee.
19. **Ghosh, D.** October 2010. Using Geographic Information Science in Health Research: Examples from Vector-borne Disease, Obesity/Cardiovascular Disease and Health Care Resources. Research Rounds. *Department of Behavioral and Community Sciences*, Northeastern Ohio Universities Colleges of Medicine, and Pharmacy. Ohio.
20. **Ghosh, D.** May 2010. HIV/AIDS in India: Knowledge and access to care and treatment. Colloquium Series, *Department of Geography*, Kent State University (KSU). Ohio.
21. **Ghosh, D.** November 2009. Medical Geography. *Cardinal High School. Geauga County*, Ohio.
22. **Ghosh, D.** January 2009. A Geospatial Investigation of West Nile Virus in Twin Cities, Minnesota. *Department of Geography*, KSU. Kent, Ohio.

#### INVITED PRESENTATION (UCONN)

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1. **Ghosh, D.** March 2022. Invited Keynote Speaker at UConn's 5<sup>th</sup> Annual Global Health Symposium 'Connecting People, Place, and Health'. UConn. (Virtual)
2. **Ghosh, D.** October 2021. "Geographic Information System (GIS) for Social Media Research: Opportunities and Challenges". Webinar for UConn Center for mHealth and Social Media. (Virtual)
3. **Ghosh, D.** May 2021. Associations between body mass index (BMI) and urban "green" streetscapes. Speaker at the Interdisciplinary conference on "*Design and Research for Healthy Communities and Healthcare Facilities*" at UConn. (Virtual)
4. **Ghosh, D.** March 2020. "Location, Location, Location". Where you live can affect your health. Spring Lecture Series. Center for Learning in Retirement, UConn.
5. **Ghosh, D.** February 2019. "Where to say What?" Can geography inform communication policy? Colloquium Lecture, Communication Department, UConn.
6. **Ghosh, D.** March 2018. Shapefiles to Social - The role of GIS in social aspects of health. Keynote lecture at the 2018 Spring Northeast Arc Users Group (NEARC) Conference. UConn.
7. **Ghosh, D.** February 2015. Risk of low nutrition due to supermarket redlining: A case study of Hartford, Connecticut. *2015 Seminar Series of Nutrition Science Department*, UConn.
8. **Ghosh, D.** and Pease, H. S. December 2013. Do You Live In A Food Desert? How Many Calories Can \$1 Get You? *Connecticut State Museum of Natural History and Connecticut Archaeology Center*.
9. **Ghosh, D.** October 2013. A Big Mac or an Apple? It depends upon where you live. *CLAS College Experience, The Environment: Health, Nature & Politics*. UConn- CLAS.
10. **Ghosh, D.** and Pease, H. S. April 2013. Youth PhotoVoice: Food, Community, and You. UConn – Hartford Campus.
11. **Ghosh, D.** March 2012. New approaches to broaden interdisciplinary health research. *Institute for Collaboration on Health Intervention and Policy (InCHIP)*, UConn.
12. **Ghosh, D.** December 2010. Future Trends in Geographic Information Science for Environmental Health (or making friends with community partners). *Department of Geography*, UConn.

## CONFERENCE PRESENTATIONS (GEOGRAPHY)

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### *\*Student*

1. Bhattacharya, S.\* and **Ghosh, D.** 2024. Depression and Alcohol Use Patterns in Transgender and Gender Diverse Individuals across Urban and Rural India Amidst the COVID-19 Pandemic. *2024 Annual AAG Meeting*. Honolulu, Hawaii.
2. Layburn, J.\*, and **Ghosh, D.** 2024. Racial and Sexuality Inequities in Mpox prevalence and vaccination uptake: A tale of two Midwestern states in the US. *2024 Annual AAG Meeting*. Honolulu, Hawaii. (Virtual)
3. **Ghosh, D.** and Bhandari, S.\* 2024. Associations between racialized discriminatory mortgage loan denial and poor mental health in the US: A spatial data-driven approach. *2024 Annual AAG Meeting*. Honolulu, Hawaii.
4. Bhandari, S.\* and **Ghosh, D.** 2023. The spatial relationship between historical redlining and present-day neighborhood health disparity. *2023 Annual AAG Meeting*. Denver Colorado.
5. Bhattacharya, S.\* and **Ghosh, D.** 2023. Developing a multidimensional healthcare access index for transgender individuals. *2023 Annual AAG Meeting*. Denver Colorado.
6. Layburn, J.\*, and **Ghosh, D.** 2023. Geographic pattern of access (or lack thereof) to information on Monkeypox in the US. *2023 Annual AAG Meeting*. Denver Colorado. (Virtual Poster)
7. **Ghosh, D.** and Bhattacharya, S.\* Addiction among Transgender and gender-diverse individuals in India: A Spatial Respondent Driven Sampling Study. *2022 Annual AAG Meeting*. (Virtual Conference)
8. Adams, A.\*, Campbell, B., **Ghosh, D.**, Benitez Ou, A., Gallaher, A., Zhang, Bo., Shapiro, D., Lapidus, G., Zhang, C. 2022. Spatial Analysis of Firearm Discharge and Social Vulnerability during the COVID-19 Pandemic: Case of Hartford, Connecticut. *2022 Annual AAG Meeting*. (Virtual Conference)
9. Bhattacharya, S.\* and **Ghosh, D.** 2022. Barriers and facilitators in accessing healthcare among gender diverse people using a critical accessibility framework. *2022 Annual AAG Meeting*. (Virtual Conference)
10. Bhattacharya, S.\*, **Ghosh, D.**, and DasGupta, D. 2021. A 'trans' turn to geographies of sexuality: a perspective from South Asia. *2021 Annual AAG Meeting*. (Virtual Conference).
11. Adams, A\*., **Ghosh, D.**, Gallaher, A.\*, and Benitez Ou, A\*. 2021. Can power outages during extreme weather events be responsible for COVID-19 outbreaks? *2021 Annual AAG Meeting*. (Virtual Conference).
12. BenBella, D.\* and **Ghosh, D.** 2021. Combining geospatial analysis with HIV care continuum to identify differential HIV/AIDS treatment indicators in Uganda. *2021 Annual AAG Meeting*. (Virtual Conference).
13. Bhattacharya, S.\* and **Ghosh, D.** 2020. Studying physical and mental health among Hijra, Kothi and Transgender population in India. *2020 Annual AAG Meeting*. (Virtual Conference).
14. BenBella, D.\* and **Ghosh, D.** 2019. A story map of HIV care cascade along Uganda's Northern Transportation Corridor. *2019 International Medical Geography Symposium*, Queenstown, New Zealand.

15. **Ghosh, D.** and Bhattacharya, S.\* 2019. Spatial relative probability pattern of cancer-screening behavior among African Americans in the United States. *2019 Annual AAG Meeting*. Washington D.C.
16. BenBella, D.\* and **Ghosh, D.** 2019. "HIV on the road": Tracing a geospatial story of HIV transmission in Uganda's Northern Transportation Corridor. *2019 Annual AAG Meeting*. Washington D.C.
17. BenBella, D.\* and **Ghosh, D.** 2018. Access to HIV Care and Addiction Treatment among Stigmatized Population of Opioid-Dependent People Living with HIV. *2018 The Applied Geography Conference*. Kent, Ohio.
18. Li, X. and **Ghosh, D.** April 2018. Investigating associations between body mass index and streetscape physical environment in Cleveland, Ohio. *2018 Annual AAG Meeting*. New Orleans, Louisiana.
19. BenBella, D.\* and **Ghosh, D.** April 2018. Accessibility Barriers to Unmet Healthcare Needs for At-Risk HIV/AIDS Opioid Dependent Patients in Washington DC. *2018 Annual AAG Meeting*. New Orleans, Louisiana.
20. **Ghosh, D.** and Altice, FL. April 2017. Associations of Aspatial Social Network and Spatosocial Network Metrics with Substance Use and HIV/AIDS Treatment Outcomes. *2017 Annual AAG Meeting*. Boston, Massachusetts.
21. Vorotyntseva, N. and **Ghosh, D.** April 2017. Bringing Ego Networks into Geospatial Environment. *2017 Annual AAG Meeting*. Boston, Massachusetts.
22. **Ghosh, D.** March 2016. What are English-speaking health geographers talking about? Research frontiers, synergies, and collaboration networks. *2016 Annual AAG Meeting*. San Francisco, California.
23. **Ghosh, D.** and Altice, FL. April 2015. Spatializing Egocentric Social Networks: Does Geography Matter in Social Networks? *2015 Annual AAG Meeting*. Chicago, Illinois.
24. **Ghosh, D.** and Pease, H.S. April 2014. Picture my (un)healthy community: A preliminary analysis of a youth photovoice project. *2014. Annual AAG Meeting*. Tampa, Florida.
25. **Ghosh, D.** Gibson, B., Morano, J., and Altice, FL. November 2013. Mapping health care access and utilization for vulnerable populations at a mobile medical clinic. *2013. Annual AAG Meeting*. Boston, Massachusetts.
26. **Ghosh, D.**, Martin, K., and Page, M. July 2013. Do residents of Hartford, Connecticut live in a food desert? A multidimensional analysis of grocery stores. *2013 International Medical Geography Symposium*. Michigan State University, East Lansing, Michigan.
27. **Ghosh, D.** April 2013. Disparity in obesity: A tale of two cities in urban Ohio. *2013. Annual AAG Meeting*. Los Angeles, California.
28. **Ghosh, D.** and Guha, R. October 2012. What are we 'tweeting' about obesity? An exploration of Topic Modeling and Spatial Analysis. *35<sup>th</sup> Applied Geography Conference*. Minneapolis, Minnesota.
29. **Ghosh, D.** June 2012. "Does it matter where we tweet from? Spatializing Social Media". *UCGIS 2012 Symposium: Building GIS Science 2.0*. Washington, DC.
30. **Ghosh, D.** and Guha, R. February 2012. Exploring the spatiotemporal trends of obesity-related "tweets" using topic modeling and Geographic Information Science. *2012. Annual AAG Meeting*. New York City, New York.

31. **Ghosh, D.** April 2011. Delineating West Nile virus transmission cycles: Nearest Neighbor Distance Time (NNDT) model. 2011. *Annual AAG Meeting*. Seattle, Washington.
32. **Ghosh, D.**, and Guha, R. April 2010. Identifying optimal risk factors for prediction and interpretation of West Nile virus occurrences using Neural Network. 2010 *Annual AAG Meeting*. Washington DC.
33. **Ghosh, D.** October 2009. When does West Nile virus transmission cycle peak at a local level? Evidence and related vector control strategies from the Twin Cities Metropolitan Area of Minnesota. *32<sup>nd</sup> Applied Geography Conference*, Baton Rouge, Louisiana.
34. **Ghosh, D.** July. 2009. Predicting and explaining the spread of West Nile virus in the Twin Cities Metropolitan Area of Minnesota. 2009 *International Symposium in Medical Geography*, Hamilton, Ontario, Canada.

#### CONFERENCE PRESENTATIONS (INTERDISCIPLINARY)

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*\*PhD Student*

1. Bhattacharya, S.\* and **Ghosh, D.** 2021. Understanding healthcare access among gender-diverse people using a critical accessibility framework. *Race Ethnicity and Place conference. (Virtual Conference)*.
2. Gallaher, A.\*, Adams, A., Benitez Ou, A., and **Ghosh, D.** 2020. Town Level Interactive Dashboard to Track COVID-19 in Connecticut. *CT-GIS Day. (Virtual Conference)*.
3. Bhattacharya, S.\* and **Ghosh, D.** 2020. What Happened Afterwards? Transgender Community's Successes and Challenges in Substantively Accessing their Human Rights in India. *Race Ethnicity Place conference. (Virtual Conference)*.
4. **Ghosh, D.**, Knott, CL., Park, CL., Williams, BR., Schulz, E., Williams, R., Liu, H., and Clark, EM. 2019. Associations between place-based social and religious support and cancer-related health behavior among African Americans. *Poster Presentation. Society of Behavioral Medicine 40th Annual Scientific Meeting*. Washington, DC.
5. Clark, EM., **Ghosh, D.**, Liu, H., Park, CL., Schulz, E., Williams, BR., Williams, R., Knott, CL. 2019. Does the role of neighborhood-level factors in health behaviors among African Americans vary geographically? *Oral Presentation. Society of Behavioral Medicine 40th Annual Scientific Meeting*. Washington, DC.
6. **Ghosh, D.**, Vorotyntseva, N. and Altice, FL. June 2018. GeogSocNet: A Toolbox for Spatially Informed Network Measures. 2018 International Network for Social Network Analysis. Utrecht, Netherlands.
7. **Ghosh, D.** and Altice, FL. June 2017. Mobility, Social Networks, and Self-Reported Health of Older People Living with HIV/AIDS in Washington, DC. *2017 International Network for Social Network Analysis*. Beijing, China.
8. **Ghosh, D.** and Altice, FL. July 2017. Understanding 'habitus of drug users with HIV infection: The interplay of activity spaces, social networks, and health. *2017 17th International Medical Geography Symposium*. Angers, France.
9. **Ghosh, D.** and Altice, FL. July 2016. Mapping 'habitus' and HIV infection of drug users: the collision of physical spaces of everyday life, risk networks and health. *2016 International AIDS Society Conference*. Durban, South Africa.

10. **Ghosh, D.** and Altice, FL. July 2015. Integrating geographic space and social network of HIV-positive drug users. *2015 International Medical Geography Conference*. Vancouver, British Columbia, Canada.
11. **Ghosh, D.**, Denton, C., Brown, S., and Altice, FL. November 2014. Individual and neighborhood level correlates of substance abuse and treatment among opioid-dependent urban inner-city residents. *2014 Annual American Public Health Association*. New Orleans, Louisiana.
12. **Ghosh, D.** and Pease, HS. October 2014. Picture my (un)healthy community: A youth photovoice project at three geographic scales. *Fourth International Conference on Food Studies*. Monash University, Prato, Italy.
13. Denton, C., **Ghosh, D.**, Wooditch, A., Mbaba, M., Kiss, M. Lawson, W., Taxman, F., and Altice, FL. October 2014. Geographic Accessibility to Addiction, Mental Health, and HIV/AIDS Care Services for Opioid Users. *2014 Addiction Health Service Research*. Boston, Massachusetts.
14. Li, J., Moorthi, G, Valente, T, Shin, H. **Ghosh, D.**, and Obidoa, C. February 2014. RDS peer recruitment decision-making, street recruitment dynamics, and opportunities for statisticians. *International Social Network Analysis Conference*. St. Petersburg, Florida, USA.
15. **Ghosh, D.** and Altice, FL. May 2013. The relationship between social and spatial networks and their effect on clinical outcomes. *2013 International Social Network Analysis Conference*. Hamburg, Germany.
16. **Ghosh, D.** and Guha, R. March 2012. "Is Pizza a Vegetable?" – Assessing attitudes towards Congress' new bill using sentiment and social network analysis. *2012 International Social Network Analysis Conference*. Redondo Beach, CA.
17. **Ghosh, D.**, Sanders, H. A., Riper, DV., and Manson, SM. November 2011. How do you measure distance in spatial models? An example using open-space valuation. *58th Annual North American Meetings of the Regional Science Association International 2011 // Second Conference of the Regional Science Association of the Americas*. Miami, Florida.
18. Barbara, D.L, **Ghosh, D.**, Hamera, E., and Sterns, A. October 2010. A Geospatial Analysis of Psychiatric Mental Health Advanced Practice Nurses in the United States. *American Psychiatric Nurses Associations 24th Annual Conference*. Louisville, Kentucky.
19. **Ghosh, D.** October 2010. Where do we need Psychiatric Mental Health Nurses? *2010 ESRI Health GIS Conference*. Denver, Colorado.
20. **Ghosh, D.**, and Guha, R. March 2010. A Risk factor analysis of West Nile virus: Extraction of relationships from a neural-network model. *2010 International Conference on Social Computing, Behavioral Modeling, and Prediction*. National Institute of Health, Bethesda, Maryland.

## TEACHING INTERESTS AND MENTORING EXPERIENCE

Health Geography, Global Health, Spatial Analysis, Social Network Analysis, Mixed Methods,  
Research Design and Methods

### COURSES TAUGHT AT KENT STATE UNIVESITY (2009 – 2011)

Medical Geography, Geographic Applications of Health Research, Advanced GIS

### COURSES TAUGHT AT UCONN (2011 – PRESENT)

|            |  |
|------------|--|
| GEOG 2000  | Globalization  |
| GEOG 3240  | Introduction to Health Geography: Connecting People, Place, and Health |
| GEOG 5000* | Research Design  |
| GEOG 5530* | GIS for Health and Environment   |
| GEOG 6810* | Seminar on Spatial Analysis of Special Issues                          |

\*Graduate Courses

### DETAILS OF COURSES TAUGHT AT UCONN

| Course Title<br>(Max Size) | Level | Semester-Academic Year:Class Size<br>(e.g., FA/SP-2022:25) <sup>+</sup>   | Times<br>Taught | Course<br>Type/Major/Program  |
|----------------------------|-------|---|-----------------|---|
| GEOG 2000<br>(125; 200)*   | UG    | SP-2013:124; FA-2013:121;<br>SP-2014:124; FA-2014:122;<br>SP-2017:124; SP-2021:200;<br>SP-2022:205; SP-2023:208 | 8               | General Education,<br>Geography Major                                   |
| GEOG 3240 (25)             | UG    | SP-2014:14; SP-2016:21;<br>SP-2018:24; FA-2020:22;<br>FA-2021:27; FA-2022:25<br>FA-2023:25                      | 7               | Geography Major,<br>Individualized Major                                |
| GEOG 5000 (10)             | Grad  | SP-2021:11; SP-2022:4   | 2               | Required Course for<br>Geography MA and<br>PhD Programs                 |
| GEOG 5530 (25)             | Grad  | FA-2021:23; FA-2022:24<br>FA-2023:14  | 2               | GIS Certificate,<br>Master in Energy and<br>Environmental<br>Management |
| GEOG 6810 (10)             | Grad  | FA-2018:8; FA-2020:3;<br>SP-2023:4  | 3               | Graduate Seminar  |

<sup>+</sup> FA – Fall; SP - Spring

\*From Fall 2020, the maximum class size was increased to 200 from 125

UG – Undergraduate Course

Grad – Graduate Course

**AWARDS, HONORS, AND FUNDING RELATED TO TEACHING AND MENTORING**

|             |   |
|-------------|---|
| 2022        | <b>AAG Summer Series Workshops</b> for Graduate Students, ‘ <i>What is Systematic Literature Review? How Can We Use Them More Beyond Just a Dissertation Chapter?</i> ’ <b>(\$1750)</b> |
| 2021        | UConn’s National Fellowship Incentive Program for <b>Mentoring (\$1000)</b>   |
| 2014        | <b>Teaching Innovation Award</b> . American Association of University Professors (AAUP) Excellence Award, UConn   |
| 2012 - 2014 | The Fund for <b>Innovative Education in Health and Society (\$50,000)</b><br>Funded by UConn CLAS   |
| 2010        | <b>Teaching Scholars</b> for Early Career Faculty Learning Community <b>(\$1,000)</b><br>Funded by KSU  |
| 2010        | <b>Summer Teaching Development Grant. (\$6,500).</b><br>Funded by KSU   |

**UNDERGRADUATE STUDENT ADVISING AND MENTORING**

| Category                            | Number of Students   | Description and Outcome   |
|-------------------------------------|----------------------|---|
| Individualized Major Program (IMJR) | 21<br>(2013-Present) | Out of 21 students, 11 students have graduated, and 10 students are currently continuing their major, of which I am the primary advisor for 7 students. |
| University Scholar Program (USP)    | 3                    | Mentored 3 students to receive USP fellowships.   |
| Honors                              | 4                    | Students converted GEOG 3240 to an honors course.   |
| Work-Study Program                  | 1                    | Advised one student in 2020-21  |
| Independent Study                   | 1                    | Advised one student in Spring 2021  |

*Advisees have received **prestigious awards** such as the SURF, IDEA grant, University Scholar Program, Gilman-McCain Scholarship, Donald L. McCullough Leadership Award, and the BOLD Women’s Leadership Network, for which I have reviewed their statements and written recommendation letters.*

**GRADUATE STUDENT ADVISING AND MENTORING****Role: Major Advisor (2011 – Present)**

| Student Name     | Level | Graduation Date     | Current Status, Placement |
|------------------|-------|---------------------|---------------------------|
| Arunima Dasgupta | PhD   | -                   | Ongoing                   |
| Sabina Bhandari  | PhD   | May 2026 (Expected) | Ongoing                   |
| Jake Layburn     | MA    | May 2024 (Expected) | Ongoing                   |

|                        |     |               |   |
|------------------------|-----|---------------|---|
| Shamayeta Bhattacharya | PhD | August 2022   | Tenure Track Assist Prof at Point Park University                           |
| Diane Benbella         | PhD | December 2021 | Research Development Assist, OVPR, UConn                                    |
| Mengyao Zhang          | PhD | May 2017      |   |
| Allison Bradshaw       | MA  | May 2013      | Assoc Vice President, Volunteers, Education and Training at Operation Smile |

A total of 7 primary advisees including 2 MA and 5 PhD students

**Role: Associate Advisor (2009 – Present)**

| Department                               | Number of Students | Level, University             | Current Status         |
|--|--------------------|-------------------------------|------------------------|
| Geography                                | 8                  | PhD, UConn                    | 3 graduated, 5 ongoing |
| Plant Science and Landscape Architecture | 1                  | PhD, UConn                    | Ongoing                |
| Human Development and Family Studies     | 1                  | PhD, UConn                    | Graduated              |
| Public Health                            | 1                  | PhD, UConn                    | Graduated              |
| Anthropology                             | 1                  | MA, UConn                     | Ongoing                |
| Natural Resources and the Environment    | 2                  | MA, UConn                     | Graduated              |
| Behavioral & Community Health            | 1                  | Ph.D., University of Maryland | Graduated              |
| Geography                                | 2                  | Ph.D., KSU                    | Graduated              |

A total of 19 secondary advisees.

**INVITED TO PANELS, WORKSHOPS, PRESENTATIONS, PROGRAMS RELATED TO TEACHING/MENTORING**

1. **Ghosh, D.** June 2023. Invited Speaker at *Geography Faculty Development Alliance (GFDA) Department Leadership Workshop*. (Virtual)
2. **Ghosh, D.** March 2022. **Keynote Speaker** at UConn's 5<sup>th</sup> Annual Global Health Symposium. 'Connecting People, Place, and Health'. *Organized by UConn's Student Organization of Global Health Spaces on Campus (GloHSOC)* (Virtual)
3. **Ghosh, D.** March 2022. Incorporating GIS into Health Research. Guest Lectures for PUBH 5431: Public Health Research Methods. *Department of Public Health, UConn Health Center*. (Virtual)



4. **Ghosh, D.** March 2021. Incorporating GIS into Health Research. Guest Lectures for PUBH 5431: Public Health Research Methods. *Department of Public Health, UConn Health Center.* (Virtual)
5. **Ghosh, D.** January 9-10<sup>th</sup> 2020. CEP Short Term Course: Health Informatics - *Combining GIS and Social Media for Public Health Research; Connected Technologies for Smarter Health Research; Networks Informing Health Research: An Overview.* IIT-Patna, India
6. **Ghosh, D.,** BenBella, D. Zhang, S., and Vorotyntseva, V. November 2017. How can we make use of GIS in your Health Research? A Two-Hour overview workshop on public-use GIS data, basic functions, and training resources at *InCHIP, UConn.*
7. **Ghosh, D.** and Mkami, A. October 2017. Food Sovereignty. *Invited lecture for POLS 3239 Politics of Environment and Development* at UConn.
8. **Ghosh, D.** December 2016. Introduction to Geographic Information System. *Guest Lecturer for Winter School on Geospatial Technologies. Chitkara University, Himachal Pradesh, India.*
9. **Ghosh, D.** October 2015. Overview of Geography and Health. Guest Lecture for HDFS 5002: *Designing and evaluating health and wellness interventions. Human Development and Family Science, UConn.*
10. **Ghosh, D.** October 2014. Obesity, Nutrition, Access to Food: Health Geographic Theories and Methods. *Guest Lecture for PSYC 3885, Psychological Sciences, UConn.*
11. **Ghosh, D.** October 2010. Developing an Interdisciplinary Course: Application of Geographic Information Science in Health Research. *17th Annual Conference: Celebrating College Teaching. KSU.*

#### **OTHER MENTORING ITEMS FOR THE ACADEMIC COMMUNITY**

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|                |  |
|----------------|--|
| 2023           | <b>Panelist</b> for Mentorship in Higher Education. 2023 UCGIS Symposium   |
| 2022 - Present | <b>Mentor</b> for a <b>junior scholar</b> with NIH K23 Career Award. UConn School of Medicine's Department of Pediatrics and Connecticut Children's Medical Center.      |
| 2022 - Present | <b>Faculty advisor</b> for UConn's student organization, Global Health Spaces on Campus (GloHSOC), <a href="https://glohsoc.uconn.edu/">https://glohsoc.uconn.edu/</a> . |
| 2022 - 2025    | Invited to Penn State's <b>External Mentoring Program</b> for junior faculty   |
| 2017 - Present | Speaker at sessions on <b>graduate student mentoring</b> , academic job seeking, and work-life balance at AAG Annual Meeting.  |

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**ACADEMIC AND PROFESSIONAL SERVICE AND EXPERIENCE**


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Justice, Equity, Diversity, and Inclusion (JEDI), Department, University, and Geography Discipline

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**JUSTICE EQUITY DIVERSITY AND INCLUSION (JEDI)**


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- 2023 **Invited speaker** at *Geography Faculty Development Alliance (GFDA) Department Leadership Workshop*. (Virtual)
- 2023 **Panel Co-organizer and Co-Chair**. Building Places to Thrive In: Towards More Just Geography Graduate Department. *2023 AAG Meeting (Toward More Just Geographies)*, Denver, Colorado  
Organizers: Meghan Cope (University of Vermont), and Mia White (New School)
- 2022 **Invited speaker** at *Golden Compass Workshop for Diversity in Geospatial Training and Learning*. in Denver, Colorado.
- 2022 - 2024 **Member** of UConn CLAS' **Diversity, Equity, and Inclusion Committee**
- 2022 - 2023 **Co-Investigator. \$8000**  
Fostering Diversity in GIS Program  
PI: Chen; Funded by UConn CLAS' Diversity, Equity, and Inclusion Initiatives.
- 2019 - 2022 **Member of AAG's JEDI committee**  
**Developed a [3-year strategic plan for AAG](#)**  
**Invited speaker** at Department Leadership Webinar Series organized by AAG, November 2021. "*JEDI in Action: AAG's new Justice, Equity, Diversity & Inclusion Strategic Plan*" (Virtual)  
**Panel speaker** at Race, Ethnicity, and Place conference, October 2021. "*JEDI in Action: AAG's new Justice, Equity, Diversity & Inclusion Strategic Plan*".
- 2019 - Present Created our **Department's JEDI webpage** as **Our Values**

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**SERVICES FOR DEPARTMENT OF GEOGRAPHY**


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- 2023 - Present **Member**, Graduate Committee
- 2023 - Present **Member**, Merit Review Committee
- 2022 - 2023 **Chair**, Search Committee for Tenure Track Assist Prof in Health Disparity
- 2022 - 2023 **Member**, Search Committee for Internal Head of the Department Search
- 2020 - 2023 **Chair**, Courses and Curriculum Committee
- 2018 - 2019 **Chair**, Search Committee for Assist Prof in Geographic Information Science
- 2017 - Present **Member**, Promotion and Tenure Review Committee
- 2016 - 2018 **Member**, Merit Review Committee
- 2012 - 2013 **Member**, Search Committee for External Head of the Department Search
- 2011 - 2019 **Member**, Graduate Committee

**SERVICES FOR UNIVERSITY OF CONNECTICUT**

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|             |  |
|-------------|--|
| 2020 - 2023 | <b>Member</b> , Courses and Curriculum Committee, CLAS                           |
| 2019 - 2020 | <b>Member</b> , Strategic Planning Committee, CLAS                               |
| 2017 - 2020 | <b>Co-Chair</b> , Social Science of General Education Oversight Committee (GEOC) |
| 2016 - 2019 | <b>Co-Director</b> of 'mHealth/eHealth' Research Interest Group, InCHIP          |
| 2015 - 2019 | <b>Member</b> , Undergrad and Graduate Fellowship Review Committee, CLAS         |
| 2014 - 2018 | <b>Member</b> , Executive Committee, InCHIP                                      |
| 2014 - 2015 | <b>Member</b> , SEED Grant Review Committee, InCHIP                              |

**SERVICE FOR THE DISCIPLINE OF GEOGRAPHY**

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|                |  |
|----------------|--|
| 2023 - 2025    | <b>Chair, National Councilor</b> , AAG   |
| 2020 - Present | <b>Member</b> , Strategic Communications Editorial Board, AAG  |
| 2020 - Present | <b>External Tenure and Promotion Review</b> (4 reviews)  |
| 2020           | <b>Member</b> , COVID-19 Rapid Response Task, AAG  |
| 2019 - 2022    | <b>Member</b> , Justice Equity, Diversity, and Inclusion (JEDI), AAG   |
| 2015 - 2018    | <b>Board Member</b> , Spatial Analysis Modeling Specialty Group, AAG   |
| 2015, 2012     | <b>Grant Review</b> , Career Development (CAREER) proposal for NSF   |
| 2010 - 2013    | <b>2010 – 2011, Board Member</b> . Health and Medical Geography Specialty Group (HMGSG)<br><b>2011 – 2012, Vice Chair</b> . HMGSG, AAG<br><b>2012 – 2013, Chair</b> . HMGSG, AAG   |
| 2009 - Present | <b>Reviewer</b> for Annals of American Geographers, AIDs and Behavior, American Journal of Public Health, Appetite, Cartography and Geographic Information Science, Computers Environment and Urban Systems, Geographical Analysis, Geography Journal, Geographical Review, Geographical Systems, International Geographic Information Science, International Journal of Health Geographies, Journal of Applied Geography, Journal of Geographical Systems, Journal of Health and Place, Journal of Landscape and Urban Planning, Journal of Behavioral Medicine, Journal of Medical Internet Research, Journal of Urban Affairs, Papers in Applied Geography, Public Health Nutrition, PLOS One, Remote Sensing, Social Science and Medicine, The Professional Geographer, Transaction in GIS, Urban Geography, Virus |
| 2009 - Present | <b>Organized Sessions at AAG Annual Meeting</b><br>Accessibility, mobility, and connectivity: Frontiers of geospatial modeling and Applications (2020), Committee on the Status of Women in Geography's Speed Networking Session (2018), Symposium on Human Dynamics in Smart and Connected Communities: Spatial-Social Networks in GIS (2017), Symposium on 'International Geography, GIScience, and Urban Health Theme' (2016), Mobility, Health, and the City (2016), Mobile Computing, Activity Space, and Social Networks: Health Applications from NIH-funded projects (2015), Spatial Epidemiology (2014, 2013, 2012, 2011), Perspectives on Geographic Complexity (2010), Disease and Health Modeling (2010)   |

## PROFESSIONAL MEMBERSHIP

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American Association of Geographers;  
American Public Health Association;  
International Social Network Analysis;  
Society of Behavioral Medicine;  
University Consortium for Geographic Information Science

## PRESS COVERAGE

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- 2023 **UConn Today.** *UConn Geography Researcher Receives Funds to Study Cancer Disparities Among U.S. African Americans.* [Link](#)
- 2023 **UConn Today.** *Research Ready: Preparing Students for Life After UConn.* [Link](#).
- 2022 **Podcast.** *CANHR One Health, One Community.* [Link](#)
- 2020 **CNN Business.** *How the rise of supermarkets left out Black America.* [Link](#)
- 2020 **NBC Connecticut.** *Interview on COVID-19 Dashboard.*
- 2019 **Connecticut Magazine.** *How long you live may be affected by your community.* [Link](#)
- 2014 **Hartford Courant.** *Big Grocery Vital in North Of Downtown Hartford.* [Link](#)
- 2012 **UConn Today.** *You Are What We Are – And Where You Live.* [Link](#)