

Amanda Hoffman-Hall, Ph.D.

hoffmanhalla@eckerd.edu

Education

- 2020 **Ph.D. Geographical Sciences**, University of Maryland College Park
 Dissertation: Interdisciplinary Geospatial Assessment of Malaria Exposure in Ann Township, Myanmar
- 2011 **B.S. Geography**, University of Oklahoma

Professional Experience

- 2022 – Present **Assistant Professor**, Environmental Studies Discipline, Eckerd College, St. Petersburg, FL
- 2020 – 2022 **Director of Undergraduate Studies**, Department of Geographical Sciences, University of Maryland, College Park, MD

Research Narrative

My research focuses on making the world healthier and more equitable through work in environmental health and justice, with particular attention to climate-related hazards such as hurricanes and wildfires. I combine spatial epidemiology, infectious disease risk prediction, and algorithm development for satellite mapping of land cover and land-use change to better understand how environmental exposures shape health outcomes. My recent work examines the intersection of natural hazards and technological risks (Natech disasters), as well as the health impacts of hurricanes along the Florida Gulf Coast. I believe that the best health and environmental research outcomes arise when projects prioritize community knowledge and expertise, and when scientists, activists, community members, and policymakers work together toward just solutions.

Recent Peer-reviewed Publications ([Google Scholar](#))

1. de Oliveira, G., Koster, E., Marubo, B., Laureto, L., Nobre, C., Funatsu, B., Geber-Corrêa, R., Dias-Júnior, C., Delgado Pugley, D., Pierrat, Z., Heredia-R, M., Morton, D., Hoffman-Hall, A., Maure, L., Zhuang, Q., Krause, T. et al. (2026). Spiraling frontier threats in Indigenous Amazonia, **Nature Sustainability** <https://doi.org/10.1038/s41893-026-01874-z>
2. Motherscholar Collective, Alhassan, S. W., Azim, K. A., Blanks Jones, J. L., Bielski, L., Butterworth, M., Campbell-Obaid, M., Eilert, M., Frazer, A. K., Frazier, K. E., Greene, C., Greene-Rooks, J. H., Hoffman-Hall, A., Key-Delyria, S., McKagen, E. L., Myles-Baltzy, C. C., Richardson, I., & Tooley, K.M. (2026). Caught between a rock and a hot place: How motherscholars engage in individual, collective, or other (in)actions to address climate precarity. In C. Toscano and S. M. Wiebe (eds). **Mothers, Mothering, and Climate Change**. Demeter.
3. Chen, D., Hall, J.V., Hoffman-Hall, A., Shevade, V., Argueta, F., Liang, X., Loboda, T. 2026. The Arctic Boreal Burned Area (ABBA) Product, **Geoscience Data Journal**, 13(2). <https://doi.org/10.1002/gdj3.70060>
4. Hoffman-Hall, A. 2025. The Role of Land Cover/Land Use in Malaria Transmission in Myanmar. **Remote Sensing of Land Cover and Land Use Changes in South and Southeast Asia**, Volume 2. CRC Press 179-191.
5. Hoffman-Hall, A., Puett, R., Silva, J.A., Chen, D., Baer, A., Han, K.T., Han, Z.Y., Thi, A., Htay, T., Thein, Z.W., Aung, P., Plowe, C.V., Nyunt, M.M., Loboda, T.V., 2023. Comparison of Deforestation and Forest Land Use Factors for Malaria Elimination in Myanmar. **International Journal of Infectious Diseases - Regions**, 8: 75-83. <https://doi.org/10.1016/j.ijregi.2023.06.006>

6. Hoffman-Hall, A., M. E. Gorris, S. Anenberg, A. E. Bredder, J. K. Dhaliwal, M. A. Diaz, S. K. Fortner, B. G. McAdoo, D. Reano, R.C. Rehr, H.A. Roop, B. F. Zaitchik. 2022. A GeoHealth Call to Action: Moving Beyond Identifying Environmental Injustices to Co-Creating Solutions. **GeoHealth**, 6(11). <https://doi.org/10.1029/2022GH000706>
7. Chen, D., Shevade, V., Baer, A., He, J., Hoffman-Hall, A., Ying, Q., Li, Y., Loboda, T.V. 2021. A Disease Control-Oriented Land Cover Land Use Map for Myanmar. **Data**, 6(6), 63. <https://doi.org/10.3390/data606063>
8. Hoffman-Hall, A., Puett, R., Silva, J.A., Chen, D., Baer, A., Han, K.T., Han, Z.Y., Thi, A., Htay, T., Thein, Z.W., Aung, P., Plowe, C.V., Nyunt, M.M., Loboda, T.V. 2020. Contextualizing Malaria Exposure in Myanmar by Combining Satellite-Derived Land Cover and Use Observations with Field Surveys. **GeoHealth**, 4, 12. <https://doi.org/10.1029/2020GH000299>
9. Bergen, K., Loboda, T., Sun, G., Newell, J., Kharuk, V., Hitztaler, S., Johnson, T., Hoffman-Hall, A., Ouyang, W., Park, K., Fort, C. 2020. Long-term trends in anthropogenic land use in Siberia and the Russian Far East: A case study synthesis from Landsat. **Environmental Research Letters**, 15, 105007. <https://doi.org/10.1088/1748-9326/ab98b7>
10. Hoffman-Hall, A., Loboda, T. V., Hall, J. V., Carroll, M. L., & Chen, D. 2019. Mapping remote rural settlements at 30 m spatial resolution using geospatial data-fusion. **Remote Sensing of Environment**, 233, 111386. <https://doi.org/10.1016/j.rse.2019.111386>
11. Shuman, J.K., Foster, A.C., Shugart, H.H., Hoffman-Hall, A., Krylov, A., Loboda, T.V., Ershov, D., and Sochilova, E. 2017. Fire disturbances and climate change: implications for Russian forests. **Environmental Research Letters**, 12(3). <https://doi.org/10.1088/1748-9326/aa5eed>
12. Chen, D., Loboda, T.V., Hoffman-Hall, A., Channan, S. 2014. Long-term record of sampled disturbances in Northern Eurasian boreal forest from pre-2000 Landsat data. **Remote Sensing**, 6: 6020-6038. <https://doi.org/10.3390/rs6076020>

Awards and Honors

- | | |
|------|--|
| 2025 | GeoCAFE Scholar Fellowship
NASA SCoPE SciAct Affiliate |
| 2024 | Making Opportunities for Mothers in Academia (MOMA) Award, Awarded by the International Association of Maternal Action and Scholarship (IAMAS) to The MotherScholar Collective |
| 2021 | AGU 2021 Editors' Citation for Excellence in Refereeing for <i>GeoHealth</i>
American Association of Geographers Health and Medical Geography Specialty Group
Jacques May Thesis Award |
| 2020 | O.E. Baker Award, for outstanding performance as a Graduate Student in Geographical Sciences, University of Maryland |

Service & Professional Society Membership

- American Geophysical Union Meeting Planning Representative for GeoHealth Section (4 years)
- Convener for American Geophysical Union Sessions: (1) Advances in GeoHealth, (2) Anthropocene Changes in Tropical Forests, (3) Climate Change & Environmental Health, (4) Equitable Change: Moving Beyond Identifying GeoHealth Injustices to Co-Creating Solutions, (5) Surviving Global Change: GeoHealth, Marginalized Communities and Environmental Justice in the Anthropocene
- Eckerd Athletics Committee Faculty Representative
- Eckerd Faculty Champion for the Academic Consortium to Cultivate Engineering and Science Opportunities ([ACCESO](#)) for Latinx Students
- American Geophysical Union Member