Our institute conducts groundbreaking research to better understand the role of environmental factors on human health and to inform public health interventions through both policy change and community-based participatory research. The unique combination of our faculty expertise allows us to make an impact on environmental public health locally, nationally and internationally, with ongoing activities in the U.S., Africa, Asia and Europe. Recent and ongoing activities include:

- On-farm water treatment of non-traditional irrigation water (e.g. reclaimed water) for food crops (Dr. Amy Sapkota)
- Impacts and prevention of climate change on human health (Dr. Amir Sapkota)
- Transdisciplinary research on indoor environments and airborne infection transmission for influenza prevention (Dr. D. Milton)
- Mental health and mind on susceptibility to chronic disease from environmental exposures (Dr. R. Puett)
- Air pollution and chronic human disease (Dr. Amir Sapkota, D. Milton and R. Puett)
- Environmental justice and environmental health disparities; built environment, social stressors and community resiliency (Dr. S. Wilson)
- Effects of cumulative early life exposures to air pollution and psychosocial stressors on children's cognitive development (Dr. Payne-Sturges)
- Toxin exposure through diet and early life stunting (Dr. P. Turner)

For her PhD dissertation, Rianna investigated the health concerns of private drinking water wells and their proximity to animal agricultural operations. She is now the Project Manager for the CONSERVE Center of Excellence, directed by Professor Amy Sapkota and funded by the USDA-NIFA, that investigates transformative on-farm treatment solutions for water use.
Graduate Degrees Offered

MASTER OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SCIENCES
Advance your career by training to become an expert environmental health practitioner. Our MPH explores the critical relationships between environmental exposures and health. Our faculty and students support the development of effective environmental health policy, a process reinforced by close mentorship and practical experiences through internships focused on translating research into action.

MASTER OF SCIENCE, ENVIRONMENTAL HEALTH SCIENCES
Complete an essential core of knowledge in environmental health, epidemiology and biostatistics, with a research focus in a specialized area of environmental health, via completion of a master’s thesis.

DOCTOR OF PHILOSOPHY, ENVIRONMENTAL HEALTH SCIENCES
Master an essential core of knowledge in environmental and/or occupational health, epidemiology and biostatistics. Through courses, field studies and laboratory rotations, students gain experience and tools needed to specialize in a key area of environmental health.

DOCTOR OF PHILOSOPHY, EPIDEMIOLOGY
Our faculty additionally mentor doctoral candidates on the environmental epidemiology track of the PhD program offered by the department of Epidemiology and Biostatistics within the School of Public Health.

CERTIFICATE IN GLOBAL HEALTH, POST-BACCALAUREATE
Learn about the issues, policies, and practices that enable individuals who may not have public health backgrounds to work effectively in agencies and programs providing global health services. This 12-credit program emphasizes translational health issues and combining population-based prevention methods with evidence-based, community-supported initiatives. May be taken alone, or in conjunction with any of the graduate degrees offered in the School of Public Health.

SPH AT A GLANCE

TOTAL STUDENT BODY: 2,820
UNDERGRADUATE STUDENTS: 2,414
GRADUATE STUDENTS: 406
MPH STUDENTS: 207
OTHER MASTER'S STUDENTS: 55
DOCTORAL STUDENTS: 144
55% STUDENTS OF COLOR
25+ DEGREES AND ACADEMIC PROGRAMS
164 FACULTY MEMBERS
48 STAFF
$19 MILLION RESEARCH DOLLARS 2019

For deadlines and application instructions, please visit sph.umd.edu/gradadmissions

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