

Shakuntala Devi Gopal

She/her/hers

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EDUCATION

- Aug 2018-Present **University at Buffalo, Buffalo, NY**
PhD – Curriculum, Instruction, and Science of Learning
Overall GPA: 3.9
- Sept 2014-2015 **University College London, London, United Kingdom**
Masters of Research in Biodiversity, Evolution, and Conservation
Distinction
- Sept 2009-
Aug 2013 **Fordham University, New York, NY**
Bachelors of Science in Environmental Science
Overall GPA: 3.5

ACADEMIC APPOINTMENTS

- Aug 2018 – Present **Graduate Research Assistant, University at Buffalo**
- National Science Foundation funded project (NSF #1759355)
Voices to Hear (V2H): Native American youth learning about local environmental issues, related careers, and developing podcasts.
PI: Dr Sameer Honwad, Co-PIs: Dr Anne Kern, Dr Christine Meyer
- UNH Emeriti Council Student International Service Initiative (EC SISI)
Weaving Strands of Knowledge: Primary school youth in Goa, India learning about local environmental problems and developing podcasts.
PI: Dr Andrew Coppens, Co-PI: Dr Sameer Honwad
- Working for Education-Equity: Scientists Artists and International Design (WE SAID): High School youth from the North America and India exploring the use of graphic novels and storytelling to discuss the complex socio-scientific problem of COVID-19.
PI: Dr Sameer Honwad, Co-PI: Dr Ryan Rish
- Sept - Dec 2021 **Adjunct Professor, University at Buffalo**
LAI 575: Information Science Education Seminar

PUBLICATIONS

Peer Reviewed Articles

Gopal, S. D., Clarke-Vivier, S., Coppens, A. D., Honwad, S., Lindsay, T. R., Burnett, C., Garrett, J., Niphadkar-Bandekar, M., and Rangnekar, S. (2020). Creating Podcasts as Science Learning. *Science Scope*. 44(1), 10-15.

Book Chapters

Honwad, D., **Gopal**, S. D., & Schindel, A. (accepted). Designing Cross-Cultural Learning Environments for Climate Change Learning. Walsh, E. (Eds.) Global Climate Change Education.

In Progress & Under Review

Clark-Vivier, S.C., Coppens, A.D., **Gopal**, S. D., Honwad, S. (under review). Can We Picture Equity? Using Photo Elicitation to Critically Examine Cross-Cultural Short-Term Collaborations.

Clark-Vivier, S.C., **Gopal**, S.D., Coppens, A.D., Honwad, S. (in-progress). Learning from Citizen Science: A Framework for Addressing Social and Scientific Complexity in Public-Engagement Projects.

Other Products

Gopal, S.D. (Host). (2018). Voices to Hear: Building New Perspectives (No. 1) [Audio podcast episode]. <https://voicestohearcdatribe.org/podcasts>

PRESENTATIONS

Honwad, S., & **Gopal**, S.D. (2021, April 13). Tales from the field: Connecting Culture, Community, and Science through Storytelling. Presented as part of SUNY Buffalo's Global Health Virtual Seminar Series on Co-Production of Knowledge for Global Health Equity.

Gopal, S. D., White, A., Scates, J., Honwad, S., and Rish, R. (2021, April 10). Creating Comics about COVID-19 to understand the intersections between Science, Community, and Equity. Paper presented at NARST.

Gopal, S. D., Reid, O., Tripp, J., Douglas, K., Wild, N., McVee, M. (2021, April 3). Exploring the Complexities of Anti-Racist Practices in Educational Settings through Role-Play Scenarios. Panel presented at SUNY Cortland.

Reid, O., Tripp, J., **Gopal**, S. D., Wild, N., Douglas, K. (2020, November 30). Perspectives on Anti-Racist Pedagogy. Panel presented at SUNY Buffalo as part of Inclusive Pedagogy initiative.

Douglas, K., Reid, O., Tripp, J., **Gopal**, S. D., Joseph, M., Wild, N. (2020, September 3). LAI-GSA ARRC for Justice: How a Group of LAI Graduate Students Are Using a Reading Collective to Enact Anti-Racist Change. Presented at SUNY Buffalo Graduate School of Education Teach-In for Racial Equity.

Gopal, S. D. Liu, S., Lorenzen, E., Balloux, F., Gerbault, P., Fumagalli, M. (2015). Inferring the recent demographic history of polar bears (*Ursus maritimus*) using a simulation-based approach. Poster presented at Society of Molecular Biology & Evolution, Vienna, Austria.

Gopal, S. D., Botton, M. (2012). Abundance and distribution of adult and juvenile horseshoe crabs (*Limulus polyphemus*) in Jamaica Bay, New York. Poster presented at the 66th Annual Eastern Colleges Science Conference (ECSC), New York, NY.

Gopal, S. D., Botton, M. (2011). Abundance and distribution of adult and juvenile horseshoe crabs (*Limulus polyphemus*) in Jamaica Bay, New York. Poster presented at the Environmental Health and Health of the Environment, Saint Francis College, New York, NY.

Gopal, S. D., Botton, M. (2011). Abundance and distribution of adult and juvenile horseshoe crabs (*Limulus polyphemus*) in Jamaica Bay, New York. Poster presented at the Research Fair at Fordham University, New York, NY.

RELEVANT TEACHING EXPERIENCE

Oct 2018- June 2021	Ad Hoc Science & Math Teacher, Canisius High School, Buffalo, NY Pre-Calculus course for 11 th and 12 th grade students Chemistry for 10 th and 11 th grade students SAT Math Prep course for 11 th and 12 th grade students
Sept 2015- May 2017	Science Teacher, Yap Catholic High School, Yap, FSM Earth Science to 9 th grade students

July 2008-
Nov 2011

Biology to 10th grade students
Physics to 12th grade students

Explainer, New York Hall of Science, Queens, New York
Performed science demonstrations (e.g., dissections and experiments)
Facilitated science workshops for elementary age students
Explained hands-on science exhibitions on museum floor to museum visitors

RELEVANT RESEARCH EXPERIENCE

Nov 2011-
Aug 2014

Research Assistant, New York Hall of Science, Queens, NY
How affect and learning is influenced by adding game-based design elements to project-based learning in NYC Living Environment science classes.

Oct 2010-
Sept 2011

Research Assistant, NYU Child and Family Policy Center, New York, NY
How the Home-Health Care Program improves the auditory and expressive development of toddlers in minority families of low socioeconomic status

HONORS & AWARDS

2021 – 2022 Dean’s Scholarship for Academic and Inclusive Excellence, \$5000
2020 S. David Farr Scholarship, \$3000
2020 Frank Lawrence (Larry) Heikkila Scholarship, \$2250
2014 Top of the Ladder Award, \$200
2012 – 2013 E Gerard Corrigan Scholarship, \$13500
2009 – 2013 Jogues Scholarship, \$3500

SERVICE

Proposal Reviewer

National Association for Research and Science Teaching (NARST) 2020-2021
International Conference of the Learning Science (ICLS) 2021

Committees

University at Buffalo Graduate Student Association Anti-Racist Reading Collective, 2020-present
University at Buffalo Graduate School of Education Student Research Symposium, 2021-present
University College of London Academic Committee in Bioscience Department, 2014-2015

PROFESSIONAL AFFILIATIONS

National Association for Research and Science Teaching (NARST)
International Society of the Learning Sciences (ISLS)
American Educational Research Association (AERA)