



Sucharita Gopal

Professor

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Educational Background

PhD, University of California, Santa Barbara, 1988

Current Research

My research is multidisciplinary dealing with spatial analysis and modeling, GIS, data mining and information visualization and artificial neural networks. I have applied spatial analysis to address a variety of problems in biology, environmental science, public health and business. I have also worked on uncertainty issues related to GIS. I have used neural networks for pattern classification, estimation and mixture modeling. My current funded research includes development of a marine integrated decision analysis system (MIDAS) for Massachusetts, malaria risk mapping in Ethiopia, analysis of patent activities in China, and mapping health service delivery in Zambia. I am funded by the National Science Foundation on a GK-12 grant—Global Change Initiative—Research and Education (GLACIER) focusing on outreach to middle schools in the Boston area. In addition, I am funded by Rockefeller foundation on work related to data mining and visualization and the MacArthur Foundation on assessing the impact of climate change on food security and biodiversity in Cambodia.

Courses Taught

- [GE 365 An Introduction to Geographic Information Systems \(GIS\)](#)
- [GE 505 Geographic Information Systems \(GIS\)](#)
- [GE 715 Global Change Initiative: Education & Research](#)
- [GE 805 Spatial Analysis Using Geographic Information Systems \(GIS\)](#)

Links

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[Christine Regalla co-authors paper on earthquake surface rupture in Geophysical Research Letters](#)

[Cutler Cleveland presents emissions findings to City of Boston](#)

[PhD student Chi Chen co-authors article on 2015/16 ENSO event impacts to the carbon cycle](#)

[E&E major Emma Quirk rows for BU](#)

Calendar

Monday, December 10 3:30 PM [E&E Seminar Series: Karin Bryan](#)

Wednesday, December 12 12:00 AM [Last day of classes](#)

Wednesday, December 12 11:00 AM [Earth & Environment Coffee Hour](#)

Wednesday, December 12 12:30 PM [E&E Faculty Meeting](#)

Thursday, December 13 12:00 AM [Study period](#)

Monday, December 17 12:00 AM [Final exams begin](#)

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