
PRAKRITI SHUKLA

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RESEARCH INTERESTS

My research focuses on urban, rural, and regional governance of water ecosystems that cross state and national borders. I use statistical modeling, economic tools, historical, and ethnographic research to analyze climate and environmental policies and programs. My research is driven by the principles of climate and environmental justice in achieving climate change mitigation and adaptation.

EDUCATION

Degrees

- 2020-TBD Ph.D. Urban and Regional Planning, University of Michigan, USA.
2017-2019 Master of Regional Planning, Cornell University, USA.
(*graduated with three awards for best thesis, academic excellence, and contribution to physical planning*).
2003-2008 Bachelor of Architecture, University of Mumbai, India.

Certificates

- 2021 Empirical Implications of Theoretical Models (EITM) and Inter-university Consortium for Political and Social Research (ICPSR)
Network Analysis – I: Introduction; statistical analysis of networks.
- 2021 Empirical Implications of Theoretical Models (EITM) and Inter-university Consortium for Political and Social Research (ICPSR)
Network Analysis – II: Advanced Topics; statistical analysis of networks.
- 2015 Fair Conditioning Programme
Sustainable Cooling and Building Energy Modelling course with a focus on Building Science
- 2010 Majlis, SNTD University, Goethe Institut and Ford Foundation
Cinema City Course — a post-graduate certification course in film making and critical appreciation.
- 2009 Auroville Earth Institute and UNESCO
Theory and construction technology of *Compressed Stabilised Earth Blocks (CSEB)*
- 2009 Auroville Earth Institute and UNESCO
Course in *Building Arches and Domes with CSEB*. The course focused on the theory and construction of CSEB arches and domes.

HONORS, GRANTS, FELLOWSHIPS

- Dec 2021 Rackham International Students Fellowship, University of Michigan, USA.
(awarded to twenty-five international graduate students across the university who "demonstrate outstanding academic and professional promise").
- May 2021 Peter B. Andrews Thesis Award, Cornell University, USA.
(awarded to a graduate student with the best thesis in the Master of Regional Planning program).
- April 2021 ISR-Rackham Summer Training Award, University of Michigan, USA.
(awarded to graduate students for training in statistical analysis at the Inter-university Consortium for Political and Social Research).
- Sept 2020 Rackham Regents Fellowship, University of Michigan, USA.
(awarded by Rackham's graduate programs to support outstanding, incoming doctoral students).
- May 2019 Thomas W. Mackesey Award, Cornell University, USA.
(given to a candidate who demonstrated unusual competence in academic work or who, by qualities of personality or leadership, has significantly contributed to the intellectual advancement of fellow students).
- May 2018 Portman Family Graduate Student Award, Cornell University, USA.
(awarded to a graduate student for their work in physical planning).
- April 2018 South Asia Program Research Travel Grant, Cornell University, USA.
- March 2018 Einaudi Centre International Research Travel Grant, Cornell University, USA.
- Dec 2005 Housing and Urban Development Corporation Design Trophy, National Association of Students of Architecture, India
(awarded to a student team for designing a school for special needs children).

TEACHING EXPERIENCE

Masters Level Courses

- 2021 Student Instructor: Planning Theory and History University of Michigan, USA

Bachelors Level Courses

- 2014-2016 Instructor: Architecture Design Studio III University of Mumbai, India
- 2014-2016 Instructor: Building Construction & Materials I University of Mumbai, India
- 2013-2014 Instructor: Humanities-History of Architecture University of Mumbai, India
- 2013-2014 Instructor: Allied Design Studio University of Mumbai, India
- 2012-2016 Instructor: Architecture Orientation Workshop University of Mumbai, India
- 2011-2012 Instructor: Humanities-History of Architecture University of Mumbai, India
- 2011-2012 Instructor: Climatology University of Mumbai, India
- 2011-2012 Instructor: Architecture Design Studio II University of Mumbai, India
- 2010-2011 Instructor: Architecture Orientation Workshop University of Mumbai, India
- 2009-2011 Instructor: Architecture Design Studio I University of Mumbai, India

Pedagogical Training Courses

- 2015-2017 Instructor: Rethinking Pedagogy cBalance Solutions, India.

RESEARCH EXPERIENCE

- Aug 2020 **Doctoral Dissertation, University of Michigan** MI, USA
TBD Studying the governance of Sundarbans, a transnational mangrove forest and tri-river basin, in relation to environmental conservation and climate migration.
- Sep 2019 **Tata Cornell Institute, Research Assistant** NY, USA
Aug 2020 Worked with Dr. Mathew Abraham and Prof. Prabhu Pingali to study Farmer Producer Organizations in India and Mexico to understand how small and marginal farmers can use collective action to access agricultural inputs, increase their incomes and bargaining power, and improve their access to markets.
- Feb 2018 **Cornell University, Master's Thesis** NY, USA
Feb 2020 *Unjust Waters: Water Allocation Reforms that Produce Hydrosocial Territories in Mumbai's Hinterlands?* The study examined why is it difficult to equitably allocate public water and how complex regional systems work.
- Aug 2018 **Cornell University, Research Assistant and Co-author** NY, USA
Jan 2020 Conducted fieldwork and co-authored — *Urban Resilience, Rural Sacrifice: Governing Water across Four Asian Mega-Regions* with Prof. Linda Shi. Our research examined whether urban resilience is founded at the cost of rural areas using cases of regional water governance in mega-regions in India, Bangladesh, Thailand, and the Philippines.
- Aug 2018- **Cornell University, Student Research Affiliate** NY, USA
May 2019 Worked with Prof. Mildred Warner to analyze regulatory tools that help to reduce the consumption of single-use plastic bags and the state actions that aid or impede this process. Designed a guide to regulating plastic bags to help local governments to further their zero waste goals.
- Jan-Jul **Cornell University, Research Assistant** NY, USA
2018 Worked with Prof. Linda Shi to analyze climate change adaptation issues at the metropolitan scale across the globe. The study aimed to understand challenges related to network governance, scale and type of region, institutional structures, sources of finance, donor priorities, and community resilience.
- Jan-May **Cornell University, Student Research Affiliate** NY, USA
2018 Worked with Prof. Mildred Warner to analyze the social impact of New York state's bill for establishing charitable foundations as a solution to circumvent the federal tax reform of 2017.
- Feb 2009- **Informed Voter Project, Analysis Team Head** MH, INDIA
Mar 2017
- Developed a methodology for qualitative analysis of legislative data to assess the performance of elected representatives in the Indian Parliament and the Maharashtra Legislative Assembly.

- Led a research team to conduct performance assessments of elected representatives.
- Developed an Electoral Reform Proposal for Election Commission of India (ECI).

Jan-Feb
2016 **Tata Institute of Social Sciences, Consultant** MH, INDIA
Created hazard maps for *Hazard Risk and Vulnerability Assessment of Navi Mumbai* - a spatial analysis study for the City and Industrial Development Corporation.

Jun-Jul
2015 **PLURAL Planning and Research Collaborative, Consultant** MH, INDIA
Supervised a demographic study for participative development and in-situ rehabilitation of informal settlements in Dharavi. The work was presented in Studio X – Mumbai Chapter of Columbia University.

Jan-Apr
2013 **Environmental Management Centre, Intern** MH, INDIA
Analyzed three lifecycle and reporting standards - Carbon Footprint of Products (METI, Japan), PAS 2050 (Carbon Trust, UK) and Product Life Cycle Accounting & Reporting Standard (WRI). This was International Green Purchasing Network's (Japan) efforts to standardize carbon footprinting methods in the Indian context.

Jun-Jul
2011 **Rachana Sansad Urban Design Research Cell** MH, INDIA
Urban and Transportation Planning study of Shastri Nagar Metro Rail project. Analyzed data and conducted fieldwork for a project feasibility study undertaken for the Mumbai Metropolitan Regional Development Authority (MMRDA).

Feb-Apr
2010 **Eliminate Carbon Emissions, Consultant** MH, INDIA
Conducted fieldwork to collect data for calculating the carbon footprint of Indian Premier League's international cricket tournament. Also, collected data for life cycle analysis of D.Y. Patil Stadium (Navi Mumbai). The project was funded by the United Nations Environment Program.

ARCHITECTURE EXPERIENCE

2010-17 **Think Attic, Proprietor** MH, INDIA
As the proprietor of the architectural firm, designed and executed architecture, interior design, and furniture design projects.

Dec-Feb
2009 **Charles Correa Associates, Architect** MH, INDIA
As a team architect, I designed and worked on the Charles Correa Foundation office in Goa.

PUBLIC PRESENTATIONS

Apr 2021 American Association of Geographers (AAG) 2021
Unjust Waters: Water Allocation Reforms that Produce Hydrosocial Territories in Mumbai's Hinterlands?

- Nov 2020 Association of Collegiate Schools of Planning (ACSP) 2020
Shared Injustice, Splintered Solidarity: Water Governance Across Urban-Rural Divides.
- May 2019 New York State City-County Management Association (NYSCMA)
Presented on regulatory tools that help to reduce the consumption of single-use plastic bags and the state actions that aid or impede this process.
- May 2018 Legislative briefing for New York’s Local Governments
Presented a critique of New York state’s bill for establishing charitable foundations as a solution to circumvent the federal tax reform – Tax Cuts and Jobs Act 2017.
- May 2018 New York State City-County Management Association (NYSCMA)
As a panelist, presented a critique of New York state’s bill for establishing charitable foundations as a solution to circumvent the federal tax reform – Tax Cuts and Jobs Act 2017. Co-panelist EJ McMahon (Empire Centre for Public Policy), Dr. Mildred Warner (Cornell University) and Rhea Lopes (Cornell University).

PEER REVIEWED PUBLICATIONS

Published

- Shi, L., Ahmad, F., **Shukla, P.**, & Yupho, S. (accepted). Shared Vulnerability, Splintered Solidarity: Governing Water across Urban-Rural Divides. *Global Environmental Change*.
- Shukla, P.**, Montañaño, J. B., & Lopes, R. (2019). *Review: Dominant Elites in Latin America: From Neo-Liberalism to the “Pink Tide”* by North, Liisa L., and Timothy D. Clark, eds. *Journal of Planning Education and Research*.

PROFESSIONAL PUBLICATIONS

- Shukla, P.**, Mesa Guerra, C., Rathore, K., and Lopes, R. (2019). *To Ban or Not to Ban? A Guide to Regulating Plastic Bags*. Dept. of City and Regional Planning, Cornell University, Ithaca, NY.
- Shukla, P.** and Bansal, U. (2014). *Promise vs. Performance Report 2014*. Informed Voter Project. Mumbai, India.
- Modak, P., Roy, S., Kolsepatil, N., and **Shukla, P.** (2013). *Establishing a Carbon Footprinting Approach for Indian Products with Life Cycle Consideration*. Environmental Management Centre, Mumbai, India.

SERVICE TO ACADEMIA

Peer Reviewer for *Frontiers in Water*.

PUBLIC EXHIBITIONS

2015 - 16 London Design Festival 2016

As the proprietor of Think Attic, designed and presented a line of upcycled furniture in the Guardian Gallery, London. Project 'Transformation' was curated by Create Culture to talk about the impact of rapid urbanization on our environment.

2014 - 15 Dharavi Biennale 2015

Documented the plastic recycling industry of Dharavi, designed and presented a line of upcycled furniture and calculated its ecological cost. The program was curated by SNEHA (Society for Nutrition, Education and Health Action) to encourage a debate on planetary health.

2006 Commonwealth Association of Architects (CAA) 2006

Design of 'Sustainable Sports Centre and Community Space' for marginalized groups in Shanti Nagar, Mumbai was exhibited in the CAA exhibition in Melbourne.

PROFESSIONAL MEMBERSHIP

Association for American Geographers

SOFTWARE SKILLS

Python, RStudio, ArcGIS, Stata, AutoCAD, Sketchup, InDesign.