

**SHORT CV**  
Selima Sultana

**EDUCATION:**

Degree	Institution	Date
Ph.D. Geography*	University of Georgia, Athens	2000
M.S. Urban Planning**	Georgia State University, Atlanta	1993
M.S. Geography***	Jahangirnagar University, Dhaka, Bangladesh	1989
B.S. (Hons.) Geography****	Jahangirnagar University, Dhaka, Bangladesh	1987

\* Major in Urban Geography and Geographic Information Systems

\*\* Major in Community Planning and Economic Development

\*\*\* Major in City Planning (graduated with **first class first** position)

\*\*\*\* Minor in Economics and Statistics (graduated with **first class second** position)

**MAJOR AREAS OF ACADEMIC INTEREST:**

Urban and Transport, Race and Ethnicity, Equity and Social Justice, Transportation and Public Health, and Diversity in National Parks.

**COURSES TAUGHT**

GEO105: Cultural Geography

GEO301: Urban Geography--Global Patterns

GEO302: Urban Geography-- Land Use

GEO304: Introduction to Transportation Analysis

GEO322: Research Methods in Geography

GEO622: GIS Applications in Urban Planning

GEO631: Transportation Planning

**PROFESSIONAL EXPERIENCE/ POSITIONS HELD**

**2007- Now:** Associate Professor, Department of Geography, UNCG, North Carolina.

**2004- 2007:** Assistant Professor, Department of Geography, UNCG, North Carolina.

**2000-2004:** Assistant Professor, Department of Geology/Geography, Auburn University, Alabama.

**1999-2000:** Instructor, Department of Geography, University of Georgia, Athens.

**1995-1999:** Graduate Teaching Assistant, Department of Geography, University of Georgia, Athens.

**1997-1997:** GIS Intern, Georgia Environmental Organization (GEO), Atlanta, GA.

**1993-1994:** Intern Planner, Bureau of Planning, City of Atlanta, Georgia.

**1992-1993:** Research Assistant, Department of Urban Policy, Georgia State University, Atlanta.

## PUBLICATIONS

### Refereed Journal Articles, Book Chapters and Entries

- 2012            **Sultana, S.** and Weber, J. "Examining Variations in the Intensity of the Commuting Transition across U.S. Metropolitan Areas." *Environment and Planning A*. (Under Preparation)
- 2012            Bennett, K. and **Sultana, S.** The Geography of Magnet School Socioeconomic Status in Guilford County Schools, North Carolina: Neighborhood Ties and the Influence of Attendance Zone Size. *Applied Geography*. (Under Review)
- 2011            **Sultana, S.** and Weber, J. "The Nature of Urban Growth and the Commuting Transition: Endless Sprawl or a Growth Wave?" *Urban Studies*. (In Press)
- 2011            Weber, J. and **Sultana, S.** "Why Do So Few Minority People Visit National Parks? Visitation and the Accessibility of "America's Best Idea"" *Annals of the Association of American Geographers*. (In Press)
- 2011            Weber, J. and **Sultana, S.** The Civil Rights Movement and the National Park System. *Tourism Geographies*. (In Press)
- 2011            Sultana, S. "Edge Cities in the Era of Megaprojects" in Stan Brunn (eds.) *Engineering Earth: The Impacts of Mega-engineering Projects*. PP. 1071-88. NYC: Springer.
- 2010            Sultana, S. "Land Use." In Barney Warf (eds.) *Encyclopedia of Human Geography*.
- 2008            Weber, J. and **Sultana, S.** "Race, Employment Sprawl and the Journey to Work in Birmingham, Alabama." *Southeastern Geographer*, Vol. 48 (1), pp. 53-74.
- 2007            **Sultana, S.** and Weber, J. "Journey-to-Work Patterns in the Age of Sprawl: Evidence from Two Mid-Size Southern Metropolitan Areas." *The Professional Geographer*, Vol. 59 (2), pp. 193-208.

- 2006 Johnston-Anumonwo, I. and **Sultana, S.** "Race, Location and Access to Employment in Buffalo, NY." in John W. Frazer and Eugene L. Tettey-Fio (eds.) *Race, Ethnicity and Place in a changing America.* pp. 119-130, Global Academic Publishing, Binghamton.
- 2006 **Sultana, S.** "What About Dual-Earner Households in Jobs-Housing Balance Research? An Essential Issue in Transport Geography." *Journal of Transport Geography*, Vol. 14, pp. 393-395.
- 2006 **Sultana, S.** and Miller P. "Hispanic Immigrant Clusters and the Local Labor Market: Preliminary Evidence from North Carolina." *The North Carolina Geographer*, Vol. 13, pp. 44-56.
- 2005 **Sultana, S.** "Effects of Dual-earners Households on Metropolitan Commuting: Evidence from Metropolitan Atlanta" *Urban Geography*, Vol.26 (4), pp. 328-352.
- 2005 **Sultana, S.** 2005. "Racial Variation in Males Commuting time: What does the Evidence Suggest?" *The Professional Geographer*, Vol. 57(1), pp. 66-82.
- 2003 **Sultana, S.** "Commuting Constraints of Black Female Workers in Atlanta: An Examination of Spatial Mismatch Hypothesis in Married-couple Dual-earner Households," *Southeastern Geographer*, Vol. 43 (2), pp. 249-259.
- 2002 **Sultana, S.** "Jobs-Housing Imbalance and Commuting in the Atlanta Metropolitan Area: Exploration of Causes of Longer Commuting," *Urban Geography*, Vol. 23 (8), pp. 728-749.
- 2000 **Sultana, S.** "Some Effects of Employment Centers on Commuting Times in the Atlanta Metropolitan Area, 1990," *Southeastern Geographer*, Vol. 41, No. 2, pp. 225-233.

### **Editorial Activities**

- 2011 Buliung, R, **Sultana, S.**, Faulkner, G. Guest Editorial: Special Section on Child and Youth Mobility: Current Research and Nascent Themes. *Journal of Transport Geography.* (In Press)

### **Refereed Conference Proceedings**

- 2006 Weber, J., **Sultana, S.** and Maret, I. "Urban Sprawl, Commuting, and Access to Public Transportation in the Southeast." *Papers and Proceedings of the Applied Geography Conference*, Vol. 29, pp. 282-291.

- 2005 **Sultana, S.**, Hare, J., and Weber, J. "The Relationship of Income, Density, and Commuting Times on Overweight/Obesity Rates in North Carolina." *Papers and Proceedings of the Applied Geography Conference*, Vol. 28, pp. 254-263.
- 2005 Talbot, M. R. and **Sultana, S.** "The Relationship between Pedestrian Deaths and Metropolitan Areas with High Density Vehicle Use." *Papers and Proceedings of the Applied Geography Conference*, Vol. 28, pp. 264-272.
- 2004 **Sultana, S.** and Marzen, L. J. "Quantifying Urban Encroachment in Dhaka, Bangladesh from 1989-2000." *Papers and Proceedings of the Applied Geography Conference*, Vol. 27, pp.231-238.
- 2004 Adri, N. and **Sultana, S.** "Grameen Bank's Housing Program for Rural Poor in Bangladesh: A Case Study." *Papers and Proceedings of the Applied Geography Conference*, Vol. 27, pp.247-253.
- 2003 **Sultana, S.** and Chaney, P. "Impact of Urban Sprawl on Travel Behaviors and Local Watersheds in the Auburn-Opelika Metropolitan Area: A Case Study on a Small MSA." *Papers and Proceedings of the Applied Geography Conference*, Vol. 26, pp. 20-28.
- 2002 **Sultana, S.** "Intra-Regional Variations of Commuting Times in a Decentralized Urban Area," *Papers and Proceedings of the Applied Geography Conference*, Vol. 25, pp. 183-189.

### **Book Reviews, Policy Studies & Research Report**

- 2010 Sultana, S. *Motoring: The Highway Experience in America*, by John A. Jakle and Keith A. Sculle. University of Georgia Press: Athens, 2008. *The Professional Geographer*, Vol. 62(2): 290-292.
- 2010 Sultana, S. *Transforming Race and Class in Suburbia: Decline in Metropolitan Baltimore*, by Thomas J. Vicino. Palgrave Macmillan: New York, 2008. *Urban Geography*, Vol. 31(2): 273-274.
- 2009 Sultana, S. *Planning the Good Community: New Urbanism in Theory and Practice*, by Jill Grant. Routledge, New York. 2006. *Southeastern Geographer*, 49(3), pp. 308-315.
- 2008 Sultana, S. *Spatial Planning, Urban Form and Sustainable Transport*, edited by Katie Williams, Ashgate Publishing Limited, 2005. *Growth and Change*. Vol 39, No 2, pp. 380-382.

- 2006 Sultana, S. *GIS: Geographic Information Systems for the Social Sciences: Investigating Space and Place*, by Stevens J. Steinberg and Shiela L. Steinberg. Sage Publications, 2006. *Journal of Cultural Geography* Vol. 24 (1), pp.121-122.
- 2005 Sultana, S. *Social Change and Sustainable Transport*, by William R. Black and Peter Nijkamp (eds.), Indiana University Press, 2002. *Annals of the Association of American Geographers*. Vol. 95 (2), pp.487-489.
- 2005 Weber, J. and **Sultana, S.** *Impact of Sprawl on Commuting in Alabama*. University Transportation Center for Alabama, Report no. 04108. The University of Alabama. <http://utca.eng.ua.edu>.

## GRANT ACTIVITIES

- 2011 *How Far Does Your Education Go: Why Some States Have More Environmental Policies and Others Do Not?* PI, \$3000. Undergraduate Research Assistantship at University of North Carolina at Greensboro.
- 2011 *The Re-Emergence of the Multigenerational Household: A Spatial Analysis*. PI, \$3000. Undergraduate Research Assistantship at University of North Carolina at Greensboro.
- 2010 *Geography of Multi-generation Households and Their Travel Patterns and Need*. PI, with Gordon Bennett, \$6,000, Interdisciplinary Undergraduate Research Assistant at University of North Carolina at Greensboro.
- 2010 *A Geographic Assessment of the Importance of Route Connectivity for the Journey to School*. PI, \$10,000, Regular Faculty Grant, University of North Carolina at Greensboro.
- 2010 *Accessibility to Public Schools by Active Transportation: A Geographic Assessment of the Importance of Route Connectivity to Safe Routes to School*. PI with Joe Weber and Mark Schulz, \$300,000, Robert Wood Johnson Foundation.
- 2010 *Where Does the Green Economy Grow?* PI, \$3000, Undergraduate Research Assistantship at University of North Carolina at Greensboro. (Funded)
- 2010 *Commuting Choices by Immigrants from Less Developed Countries: Are They More Likely Motivated by Environmental Impact or Upward Mobility?* PI, \$3000, Undergraduate Research Assistantship at University of North Carolina at Greensboro. (Funded)

- 2009 *Residential Built Environment, Accessibility to Campus through the Non-Car Network, and their Association with Students' Parking Decision at the UNCG Campus.* PI, \$10,000, Regular Faculty Grant, University of North Carolina at Greensboro.
- 2009 *Students' Residential Built Environment, Accessibility to Campus through the Non-Car Network, and their Association with Parking Decision at the UNCG Campus.* PI, with Mark Schulz, Public Health and Education, \$6,000, Interdisciplinary Undergraduate Research Assistant at University of North Carolina at Greensboro. (Funded)
- 2009 *Getting Children Back on their Feet: Investigating the Accessibility of Pedestrian and Bicycle Facilities for Active Transportation to School.* PI with Joe Weber, \$125,000, Robert Wood Johnson Foundation.
- 2009 *GIS for building School Routes in Guilford County Child Development Centers.* PI, \$5,000. Guilford Child Development. (Funded)
- 2007 *Measuring Accessibility of Bicycle Riders in Greensboro: Searching for a more Sustainable Transport System.* PI, \$2000, Undergraduate Research Assistantship at University of North Carolina at Greensboro.
- 2006 *Measuring Accessibility of Bicycle Riders in North Carolina: Searching For A More Sustainable Transport System.* PI, \$127,400, North Carolina Department of Transportation.
- 2006 *The Journey to School by K-12 children: Assessing the Needs of a Sustainable School Transport System.* PI, \$4,000, Summer Research Excellence Grant, University of North Carolina at Greensboro. (Funded)
- 2006 *Creating a Performance Index for Bicycle Transportation.* PI with Joe Weber at University of Alabama, \$77,382, University Transportation Center for Alabama (UTCA), University of Alabama.
- 2006 *Measuring Bicycling Accessibility to Work and Shopping Locations for Greensboro Residents.* PI, \$2000, Undergraduate Research Assistantship at University of North Carolina at Greensboro. (Funded)
- 2006 *Urban Spatial Form and Travel Behavior: An Assessment for Dhaka, Bangladesh to Reduce Traffic Congestion and Air Pollution.* PI with Sharmind Neelormi, Department of Economics, Jahangirnagar University, Dhaka, Bangladesh, \$20,000, National Geographic Society.

- 2005 *Accessibility to Emergency Shelters in Alabama*. PI with Joe Weber at University of Alabama, \$70,000, University Transportation Center for Alabama (UTCA), University of Alabama.
- 2005 *Mapping Job-Housing Balance in Sprawl Areas and their Relationship to Commuting Patterns: A Case Study of the Greensboro--Winston-Salem—High Point MSA*. PI, \$4,160, New Faculty Grant, University of North Carolina at Greensboro. (Funded)
- 2004 *Assessing the Impact of Dual-earner Households on Urban Commuting Flows and their Implications Job/Housing Concept in Urban and Transport Policy*. PI, \$4,000, Summer Research Excellence Grant, University of North Carolina at Greensboro. (Funded)
- 2004 *Do Information and Telecommunication Technologies Lead to Sustainability or Unregulated Urban Growth? An Assessment*. PI with Dian Hite in Agriculture Economics \$53,286, Auburn University Environmental Institute. (Funded, but declined by the PI due to moving to University of North Carolina at Greensboro)
- 2003 *Urbanization Effects on Water Quality, Biodiversity, and Public Policy: An Integrated Approach to Modeling Land Use Change*. CPI with B. G. Lockaby, D. Zhang, J. McDaniel, and others at Auburn University Forestry Department, \$1.9 million, National Science Foundation.
- 2003 *An Assessment of Urban Sprawl on K-12 School Transportation*. PI, \$10,000, Dean Research Initiative Grant at Auburn University. (Funded)
- 2003 *The Impact of Sprawl on Commuting*. PI with Joe Weber, \$20,000, University Transportation Center for Alabama at University of Alabama, University of Alabama. (Funded)
- 2003 *Spatial Analysis and Land Use History in West Georgia*. PI with Josh McDaniel at Forestry, \$88,488, Auburn Peak of Excellence Research, Auburn University. (Funded)
- 2003 *Urban Spatial Form and Commuting: An Alternative Measure to Reduce Traffic Congestion and Air Pollution*. PI, \$10,000, Competitive Research Grant, Auburn University Office of Research.
- 2002 *Urbanization Effects on Water Quality, Biodiversity, and Community Welfare: An Integrated Approach to Modeling Land Use Change*. Senior Research Faculty/ Co-

principal Investigators with B. G. Lockaby, D. Zhang, J. McDaniel, and others, \$1.5 million, National Science Foundation.

- 2002 *Diversity in the Age of Globalization*. Faculty affiliate with Kelly Alley and others, \$505,253, Undergraduate International Studies and Foreign Language grant for developing Global Studies program.
- 2002 *Cultural Models of the Environment and Land Use Change Along an Urban-Rural Gradient*. Faculty affiliate with Kelly Alley in Anthropology and Josh McDaniel, Forestry, \$50,000, Center for Forest Sustainability, Auburn University. (Funded)
- 2002 *Mapping Change: Using GIS and Remote Sensing for Modeling Sustainable Urban Forms*. PI, \$6,000, Competitive Research Grant at Auburn University.
- 2001 *Sustainable Eufaula Project Grant to Assess Recreation and Environmental Aspects in Eufaula*, Senior Research Faculty with PI Michael Robinson, Department of Landscape Architecture, \$60,000. (Funded)
- 2001 *Mapping Change: Using GIS for Modeling Sustainability*. PI, \$4,000, Faculty Mentoring Grant at Auburn University.

## ADVISING

- 2011-2013 Edward Beaver, TBA, Thesis in Geography (**Director**)
- 2011-2013 Molly Hagen, TBA, Thesis in Geography (**Director**)
- 2010-2013 Arwa Altaher, TBA, Dissertation in Geography (**Director**)
- 2010-2012 Nicolas M. Harrell, Internship (**Director**)
- 2009-2013 Anna Tapp, "Diffusion of innovation theory and implications for broadband Internet," Dissertation in Geography (Committee)
- 2010-2013 Randy Lewkowicz, TBA, Thesis in Geography (**Director**)
- 2010-2012 Matt Damian, Internship (**Director**)
- 2008-2012 Matt Catanzarite, "Edge Cities in Transition: A Case Study in Atlanta Metropolitan Area" Thesis in Geography (**Director**)

- 2011-2011 Lam Wing Yee Winnie, "Individual Mobility for Social Sustainable Transport," Dissertation in Geography, The University of Hong Kong, Hong Kong, China (External Examiner)
- 2009-2011 Dawn Vallieres, "Safe Route to School: Case Study in Guilford County," Internship in City of Greensboro Planning Department (**Director**)
- 2010-2011 Sakika Mitchell, TBA, Thesis in Geography (Committee)
- 2010-2011 Molly C. Hagen, "Where Does Green Economy Grow: Defining Green Economy and its Location within Richard Florida's Creative Class," Honors Thesis in Geography. (**Director**)
- 2007-2011 Matt Talbott, "Bus Stop Amenities and their effect on the Ridership," Thesis in Geography (**Director**)
- 2009-2011 Winston Whitaker, Masters' Portfolio in Geography (Committee)
- 2006-2011 Chuck Folds, "The Geography of Unearned Income: Patterns of Investment Income and Transfer Payments," Dissertation in Geography (**Director**)
- 2006-2008 Jeff De Bliss, "Public Transportation in Zion National Park," Masters' Internship in Geography (Committee)
- 2006-2008 Kelly Bennett, "Geographical Analysis of Magnet Schools: Are They Effective for Neighborhood Revitalization Purpose?" Thesis in Geography (**Director**)
- 2006-2008 Byron Brown, Masters' Portfolio in Geography (Committee)
- 2006-2008 Edlyn Walsh, Thesis in Geography (Committee)
- 2006-2007 Christopher Evans, Thesis in Geography (Committee)
- 2005-2007 Natalie Setzer Köplinger, "Measuring Productivity of Telecommuters," Thesis in Geography (**Director**)
- 2005-2007 Jason Miller, Thesis in Geography (Committee)
- 2005-2007 Serigne B. Dieng, Masters' Portfolio in Geography (**Director**)
- 2005-2006 Amy Hanon, Thesis in Geography (Committee)
- 2004-2005 Carlisle Haworth, "Web-Based Automated Itinerary Planning for Public Transit: Increasing Accessibility through Information," Thesis in Geography (Committee)

- 2004 Jennifer Hanson, Thesis in Geology at Auburn University (Committee)
- 2004 Vanessa Casanova, Dissertation in Social Forestry at Auburn University (Committee)
- 2002 Chad Sands, "Testing the feasibility of developing rail road service in Montgomery to Birmingham," Thesis in Landscape Architecture at Auburn University (Committee)

#### INVITED COLLOQUIA

- 2012 Urban Growth Waves and the Commuting Transition: Examining Variations across U.S. Metropolitan Areas. Auburn University, Auburn, Alabama.
- 2011 *Restless urban growth on the edge: endless sprawl, growth waves, and the commuting transition?* Jim Wheeler Lecture Series, Department of Geography, University of Georgia, Athens.
- 2010 *The Nature of Urban Growth and the Commuting Transition: Endless Sprawl or a Growth Wave?* Department of Geography Fall 2010 Colloquium, Florida Atlantic University.
- 2007 *Congestion Everywhere: Two distinct Patterns.* Appalachian State University. Geography Department Colloquium Series, Spring semester.
- 2007 *Car Culture in Dhaka, Bangladesh?* University of North Carolina at Greensboro Geography Club Meeting, Spring semester.
- 2006 *Commuting and Emerging Issues in Transportation.* Department of Geography and Environment Science colloquium series at Jahangirnagar University, Savar, Dhaka, Bangladesh, December.
- 2006 *Emerging Issues in Dhaka's Transportation.* Uttara University, Dhaka, Bangladesh, December.
- 2006 *Does Employment Sprawl Support the Co-location Hypothesis?* University of North Carolina at Greensboro Geography Colloquium Series, Spring Semester.
- 2005 *Commuting Behavior and Contemporary Transportation Issues,* Department of Urban and Regional Planning, Dhaka, Bangladesh.
- 2004 *Urban Sprawl and Transportation.* University of North Carolina at Greensboro Geography Club Meeting, Fall semester

- 2004 *Bangladesh: A Small Land, but Large Dreams*, The Cullum Lecture Series at Augusta State University, Augusta, Georgia.
- 2004 *The Status of Women in Bangladesh: The Dark and Lighter Sides of Bengali Society*, the Cullum Lecture Series at Augusta State University, Augusta, Georgia.
- 2003 *Effect of Married Dual-earner Households on the Metropolitan Commuting: Evidence from Atlanta*, Department of Geography, The University of Alabama.
- 2003 *Do Dual-earner Households really Commute Longer than One-earner Households? Evidence from Atlanta Metropolitan Area*, Department of Geography, Western Illinois University.
- 2002 *GIS and Urban Studies Research*, Auburn University Environmental Institute Seminars, November 20.