

# Mukesh Kumar

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## Employment:

Fall 2004 to current      Department of Urban and Regional Planning, Jackson State University  
Assistant Professor      Advisor for the Undergraduate Program: Fall 04 - Spring 06  
Coordinator of the Masters Program: Fall 06 - Current

Fall 2003 – Summer 2004      Center for Economic Development  
Research Assistant      Levin College of Urban Affairs, Cleveland State University

Fall 2001 – Spring 2003      Levin College of Urban Affairs,  
Graduate Assistant      Cleveland State University

Fall 1999 – Spring 2001      Center for Housing Research and Policy,  
Graduate Assistant      Levin College of Urban Affairs, Cleveland State University

Spring 1999      Department of Political Science,  
Adjunct Instructor      University of Northern Iowa

Fall 1996 - Fall 1998      Department of Public Policy,  
Graduate Assistant      University of Northern Iowa

## Education:

Summer 2004      Ph.D. in Urban Studies and Public Affairs  
(Specialization: Urban Economic Development)  
Maxine Goodman Levin College of Urban Affairs, Cleveland State University,  
Cleveland, Ohio

Spring 1999      Master of Public Policy  
University of Northern Iowa, Cedar Falls, Iowa

June 1994      MA in Political Science  
Delhi University, Delhi, India

June 1992      BA (Honors) in Political Science  
Hindu College, Delhi University, Delhi, India

## Research Interests:

Local Economic Development, Industry Clusters, Polycentric Models of Urban Spatial Structure, Optimization and Land Use Planning, Urban Simulations, Housing.

## Teaching Interests:

Theories of Urban and Regional Development, Local Economic Development Policy, Labor Market Analysis, Geographic Information System (GIS) and Spatial Analysis, Urban Spatial Structure, Quantitative Research Methods, History of Planning.

### **Journal Publications (Peer Reviewed):**

Kumar, M., Bowen, W. M., & Kaufman, M. (2007). Urban Spatial Structure as Self-Organizing System: An Empirical Evaluation of Firm Location Decisions in Cleveland-Akron PMSA, Ohio. *Annals of Regional Science*, Vol. 41, 297-314.

Kumar, M., Mangum, V., Price, G., & Watson, J. (2007). The Economic Impact of Jackson State University. *The MURC Digest*, Volume 3, 1-7.

Kumar, M. (2006). Geographical Scope of University Expansion and its Impact on Land and Housing Markets. Working Paper. Lincoln Institute of Land Policy.  
<http://www.lincolninst.edu/pubs/PubDetail.aspx?pubid=1198>.

Kumar, M. & Bowen, W. M. (2005). Assessing Discrimination in Cleveland: Fair Housing, Residential Segregation and Constraints on Choice from 1980 to 2000. (Revise and Resubmit) *Journal of Housing Research*.

Bowen, W. M. & Kumar, M. (2004). Locating Capital Cities within an Economy: An Analysis of the Spatial Structure of Knowledge-Based and Other Government Related Industry. *Asia Pacific Planning Review*, Vol. 3, 99-121.

Austin, C. M. & Kumar, M. (1998). Sovereignty in the Global Economy: An Evolving Geopolitical Concept. *Geographic Research Forum*, Vol. 18, 49-64.

### **Grants & Fellowship:**

“Integrating Asset Valuation and Management Techniques in Long-Range Transportation Plans for Urban Areas in Mississippi,” (Funded by Federal Highway Administration). 2008. \$137,222. PI: Kumar, M.

A Comprehensive Study of the Impact of State and Other Tax-Exempt Properties on Local Govt. Operations in the City of Jackson and Hinds County. (Funded by Downtown Jackson Partners, Inc.). 2008. \$16,000. PIs: Burton, O., Kumar, M., Chowdhury, M., Allen, C., & Patrick, C.

“A Layout of Regional Logistics Plan for Greater New Orleans,” (Funded by Greater New Orleans Inc.). 2007. \$7,344. PI: Kumar, M.

“Preliminary Statewide Assessment of Public Transit Services and Service Areas,” (Funded by Mississippi Department of Transportation). 2006. \$75,000. PIs: Burton, O., Kumar, M., & Gilleylen, J.

“The Economic Impact of Jackson State University,” with Gregory Price. (Funded by Office of Economic Development and Local Government Affairs, Jackson State University). 2006. \$25,420. PI: Kumar, M., Price, G., Mangum, V. & Watson, J.

Research Fellowship in Planning and Development. Lincoln Institute of Land Policy. 2005. \$30,000. PI: Kumar, M.

### **Research in Progress:**

“Assessing Discrimination in Cleveland: Fair Housing, Residential Segregation and Constraints on Choice from 1980 to 2000,” with William M. Bowen. (Under Revision)

Toward Developing a Regional Plan for Rebuilding New Orleans. (Being prepared for Journal of Urban Affairs, Estimated submission by December 2008).

“Urban Universities to the Rescue: Addressing Urban Revitalization.” (Being prepared for Journal of American Planning Association, Estimated submission by March 2009).

### **Dissertation Supervision (Chair only):**

Sudha Yerramilli, Ph.D. Candidate. 2009.  
Dissertation Title: Potential Impact of Climate Changes on the Inundation Risk Levels in a Dam Break Scenario – A Web Based Approach.

Angela M. Gobar, Ph.D. Candidate. 2007.  
Dissertation Title: The Impact of Human Capital Development on Achievement of Savings Goals in Individual Development Accounts: Arkansas and Mississippi Individual Development Account Programs.

### **Courses Taught:**

Doctoral Courses:           Historical Development of Cities: Fall 08, Fall 07, Fall 06, Fall05, Fall 04  
                                  Advanced Statistical Methods: Spring 08, Spring 07, Spring 06, Spring 05  
                                  Research Methodology: Fall 08, Fall 07, Fall 06, Fall 05  
                                  Methods of Urban and Regional Analysis and Planning: Fall 07  
Masters Courses:         History of Planning: Fall 08, Fall 07, Fall 06, Fall05, Fall 04  
                                  Quantitative Analysis & Computers: Spring 08, Spring 07, Spring 06, Spring 05  
Undergraduate Courses:  Introduction to Quantitative Analysis: Fall 04  
                                  Introduction to Urban Studies: Spring 05

### **Reports, Proceeding, Book Chapter and Book Review:**

Burton, O., Kumar, M., Chowdhury, M., Allen, C., & Patrick, C. (2008). Report: *A Comprehensive Study of the Impact of State and Other Tax-Exempt Properties on Local Govt. Operations in the City of Jackson and Hinds County.* (For Downtown Jackson Partners, Inc.).

Kumar, M. (2008). Report: *A Layout of Regional Logistics Plan for Greater New Orleans,* (For Greater New Orleans Inc.).

Burton, O., Kumar, M., & Gilleylen, J. (2007). Report: *Preliminary Statewide Assessment of Public and Specialized Transportation Services and Service Areas in Mississippi.* (For Mississippi Department of Transportation)

Kumar, M., Mangum, V., Price, G., & Watson, J. (2006). Report: *The Economic Impact of Jackson State University.* (For The Office of Economic Development and Local Governmental Affairs, Jackson State University)

Bowen, W. M. & Kumar, M. (Locating Capital Cities within an Economy: A Case Study of Knowledge Based Industry Clusters around Capital Cities in the United States. With William Bowen. *Papers of the Proceedings of the International Conference for the 40<sup>th</sup> Anniversary of Department of Urban and Regional Planning, Chung-Ang University, Seoul, S. Korea.* November 15, 2003.

Wishwakarma, R. K. & Kumar, M. (1996) "Environmental Stewardship and Sustainable Development -- A Case for Planning," in R. B. Jain (ed.), *Environmental Stewardship and Sustainable Development*, Friedrich Ebert Stiftung, Delhi.

Wishwakarma, R. K., Sharma, O. P. Kumar, M. (1996) Report: *Emergency Care Load on the Hospitals of Delhi,* Ministry of Health, Government of India, and IIPA, Delhi.

Wishwakarma, R. K., Sharma, O. P., & Kumar, M. (1995) Report: *Restructuring Central Health Service,* Fifth Central Pay Commission, Government of India, and IIPA, Delhi.

Wishwakarma, R. K. & Kumar, M.(1996) Book Review: "Community Participation and Slum Housing: A Study of Bombay," by Vandana Desai, *Nagarlok*, the urban affairs quarterly of the IIPA, Delhi, No. 1, Jan - Mar 1996

### **Invited Seminar and Conference Presentations:**

Presentation on “The Impact of Human Capital Development on Achievement of Savings Goals in IDAs: Four Cases in Arkansas and Mississippi.” Mukesh Kumar and Angela Gobar. April 25-28, 2007. 37<sup>th</sup> Annual Meeting of Urban Affairs Association. Seattle, WA.

Presentation on “Toward Developing a Regional Plan for Rebuilding New Orleans.” Mukesh Kumar. November 9-12, 2006. 47<sup>th</sup> Annual ACSP Conference, Fort Worth, TX.

Presentation on “Segregation and Freedom in Housing Choice: A Case Study of Cuyahoga County, Ohio.” William Bowen and Mukesh Kumar. March 7-11, 2006. 102<sup>nd</sup> Annual Meeting of Association of American Geographers, Chicago, IL.

Presentation on “Toward a Redevelopment Agenda for New Orleans.” Mukesh Kumar. November 8, 2005. ACORN Community Forum on Rebuilding New Orleans, Louisiana State University, Baton Rouge, LA.

Presentation on “Geographical Scope of University Expansion and its Impact on Land and Housing Markets – A Method and its Demonstration with a Case Study of an Urban University.” Mukesh Kumar. April 5-9, 2005. 101<sup>st</sup> Annual Meeting of Association of American Geographers, Denver, CO.

Session Chair of “Innovative Spatial Studies.” April 5-9, 2005. 101<sup>st</sup> Annual Meeting of Association of American Geographers, Denver, CO.

Presentation on “Urban Spatial Structure as Complex Systems: An Empirical Evaluation.” Mukesh Kumar, February 23-26, 2005, 44<sup>th</sup> Annual Meeting of Western Regional Science Association. San Diego, CA.

Discussant on “Growth and Dispersion: Spatial Production Function and the Case of US Industry 1969-2000.” Zouquan Zhao. February 23-26, 2005, 44<sup>th</sup> Annual Meeting of Western Regional Science Association. San Diego, CA.

Presentation on “Parameters Estimates for Sources of Agglomeration: A Complex Systems Approach.” Mukesh Kumar, William M. Bowen, and Miron Kaufman. 2004. 100<sup>th</sup> Annual Meeting of Association of American Geographers, Philadelphia, PA.

Seminar on “Employment Centers as Organized Complex Systems: Some Empirical Evidence” with William M. Bowen at The School of Public policy, George Mason University. October 10, 2003.

Presentation on “Assessing Residential Choice in Cleveland: The Effectiveness of Cuyahoga County's Fair Housing Program 1980 to 2000.” William M. Bowen, Mukesh Kumar, and William Olson. 2003. 33<sup>rd</sup> Annual Meeting of Urban Affairs Association. Cleveland, OH.

Presentation on “Location Patterns of Employment Centers as Self-organizing Complex System: An Empirical Evaluation.” Mukesh Kumar, William M. Bowen, and Miron Kaufman. 2003. 99<sup>th</sup> Annual Meeting of Association of American Geographers, New Orleans, LA.

Presentation on “Physical Science Models of Urban Employment Centers.” Mukesh Kumar, William M. Bowen, and Miron Kaufman. 2002. 49<sup>th</sup> North American Regional Science Conference, San Juan, Puerto Rico.

### **Affiliations:**

Association of Collegiate Schools of Planning  
Association of American Geographers  
National Association of IRB Managers