

## Education

**Ph.D. Student in Sustainable Urbanism** (Aug 2017 - present)

Department of Urban and Public Affairs, University of Louisville, KY, USA

**Coursework:** Introduction to Sustainability, Sustainable Development & Planning, Urban Theory & Public Affairs, Urban Policy & Governance, Urban Economics, Urbanism in the Global South, Advanced Urban Studies, Urban Demography & GIS, and Advanced Urban Analytical Geography (GIS)

**Dissertation:** Sustainable Urban Groundwater Governance in Faisalabad, Pakistan: Challenges and Possibilities

**M.Sc. in Transportation Sciences (Mobility Management)** (2017)

University of Hasselt, Belgium

**Coursework:** Environmental & Economic Evaluation of Transport Policy, Traffic & Travel Behavior, Analytical Skills for the Interpretation & Analysis of Travel Demand, and Survey Methods

**Thesis:** Investigating the Factors Influencing the Use of Public Bike Sharing Schemes for the Last Mile Travel in Belgium

**B.Sc. in City and Regional Planning** (2011)

University of Engineering and Technology, Lahore, Pakistan

**Coursework:** Environmental Planning & Management, History of Urban Planning, Introduction to Town Planning, Urban Renewal & Conservation, Planning of New Towns, Urban Design, Rural Planning, Master Planning, Land Use & Building Control, Introduction to GIS, Remote Sensing, and GIS Applications in Planning

**Thesis:** Applying Energy Efficiency Techniques on Existing Commercial Buildings

## Teaching Interests

Environmental Policy & Governance

Environmental Justice

Sustainable Urban Development

Water Resource Governance

## Teaching Experience

Department of Urban and Public Affairs, University of Louisville, KY

**Undergraduate:** Policy and Governance for Sustainability, Environmental Management

**Graduate:** Environmental Policy

**Independent Study:** Water Governance in the Middle East

## Research Interests

Water Justice & Climate Justice

Water Policy and Governance

Shared Mobility

## Publications

Haneef M., **Altaf S.**, Sulaiman M. (2021). Inequities in Urban Development Global North Versus South. *City University Research Journal, Vol 11, No 1 (2021)*. Available at <http://cusitjournals.com/index.php/CURJ/article/view/360>.

Gilderbloom, J., Washington, C., Quenichet, K., Manella, C., Dwenger, C., Slaten, E., Sarr, S., **Altaf, S.**, Frederick, C. (Under Review). What Cities are the Most Dangerous to Your Health? Ranking the Most Polluted Mid-Size Cities in the United States. *The Lancet Planetary Health*. Available at <http://dx.doi.org/10.2139/ssrn.3506217>.

Adnan, M., **Altaf, S.**, Bellemans, T., Yasar, A. Shakshuki, E. (2018). Last-mile travel and bicycle sharing system in small/medium sized cities: user's preferences investigation using hybrid choice model. *Journal of Ambient Intelligence and Humanized Computing, 10, 4721–4731 (2019)*. doi: 10.1007/s12652-018-0849-5

Jamshed, A., **Altaf, S.**, Javed, S., Ali, A. (2018). Evaluating the Environmental Impact Assessment of Road Rehabilitation Projects: Comparative Study of Pakistan and Vietnam. *Journal of Science, Technology and Development, 37(3):122-130*. doi:10.3923/std.2018.122.130

Hameed, R., Nadeem, O., **Altaf, S.**, Ameen, F. (2014). Improving the Energy Efficiency of Existing Commercial Buildings in Lahore through Retrofitting Technique. *Journal of Faculty of Engineering & Technology 21(2) 95-104*. Available at <http://111.68.103.26/journals/index.php/jfet/article/view/401>.

## Presentations

**Altaf, S.** Exploring Urban Water Issues of Faisalabad, Pakistan. *DOPE 2020: Dimensions of Political Ecology, Lexington, KY*.

Ingvardson, J.B., Nielsen, O.A., **Altaf, S.** Analyzing the influence of station characteristics and perceived safety on public transport ridership: A case study from the Greater Copenhagen Area. *CASPT 2018: 14th International Conference on Advanced Systems in Public Transport, Brisbane, Australia*.

## Academic Experience

**Research and Teaching Assistant** (Sept 2017 - present)  
Department of Urban and Public Affairs, University of Louisville, KY  
**Research work:** Air Quality

**Agent-Based Modeling of Social-Ecological Systems** (Jan 2020)  
International Winter School 2020,  
The Center for Behavior, Institutions, and the Environment (CBIE)  
Arizona State University, AZ

**Graduate Trainee** (March - June 2017)  
Technical University of Denmark, Copenhagen, Denmark  
**Research work:** Public Transportation Management

## Academic Experience cont'd

**Research Associate** (June – Aug 2016)

Edinburgh Napier University, Edinburgh, UK

**Research work:** Urban Parking

**Exchange Student - Planning & Architecture** (Aug – Dec 2010)

Kansas State University, Manhattan, KS, USA

**Coursework:** Natural Resource Management, Environmental Geology

## Professional Experience

**Let's Sow Together, Richardson, TX, USA** (March 2016 – present)

Backstage Planner (Volunteer)

**Key responsibilities:**

- Interviewing fellowship applicants
- Building strategies for the organizational growth

**Population Welfare Department, Punjab, Pakistan** (Sept 2014 – Oct 2015)

Tehsil (Town) Officer

**Key responsibilities:**

- Mainstreaming population 'factor' in the development planning process
- Preparing schemes to improve local healthcare infrastructure

**Lahore Development Authority, Lahore, Pakistan** (March 2012 – March 2014)

Assistant Director (Town Planning)

**Key responsibilities:**

- Scrutinizing and sanctioning building plans
- Building control
- Updating Integrated Master Plan of Lahore city (using GIS)

**Master Consulting Engineers (Pvt.) Ltd., Lahore, Pakistan**

Town Planner

Part Time (March 2012 – Sept 2012)

**Key responsibilities:**

Full Time (Sept 2011 – Feb 2012)

- Preparing Urban Land Use Plans (using GIS)
- Planning, managing, and conducting Land Use Surveys

**Lahore Waste Management Company, Lahore, Pakistan** (June 2010 – Aug 2010)

Data Handling & Planning Intern

**Key learnings:**

- Developing a database for efficient Solid Waste Management
- Preparing a Model Solid Waste Management Plan (using GIS)

**The Urban Unit (P&D) Punjab, Pakistan** (June 2009 – Aug 2009)

Land-Use Planning Intern

**Key learnings:**

- Conducting Land Use Survey
- Preparing Land Use Database (using GIS)

# SHAHBAZ ALTAF

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## Awards and Grants

- Graduate Research Assistantship** (2017 – 2021)  
Department of Urban and Public Affairs, University of Louisville, KY
- Erasmus+ Traineeship** (2016)  
European Commission, Brussels
- Overseas Research Scholarship for Master's Education** (2015 – 2017)  
Higher Education Commission, Pakistan
- Global UGRAD Cultural Exchange Scholarship** (2010)  
United States Educational Foundation, Pakistan
- Minorities Merit Scholarship** (2007 – 2008)  
Government of Punjab, Pakistan

## Trainings and Certificates

- Smart Cities
- Future Cities
- Project Development
- Leadership Development
- Financial and Office Management
- Community Development and Service Fundamentals

## Skills and Languages

- Software:**
  - STATA
  - SPSS
  - ArcGIS
  - Microsoft Office
  - NetLogo
- Languages:**
  - Punjabi - native
  - English - advanced
  - Urdu - advanced
  - Hindi - intermediate