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#### EDUCATION:

Aug 2015- May 2020 (Expected)	PhD Candidate	Earth Surface Systems Program, Department of Geography University of Kentucky. Committee: Jonathan Phillips (Chair), Daehyun Kim, Alice Turkington, Jon Stallins, Ole Wendroth. CGPA: 4.00/4.00
2014	MS	Major: Physical Geography Department of Geography & Environment University of Dhaka, Bangladesh. CGPA: 3.97/4.00
2012	BS	Major: Geography Department of Geography & Environment University of Dhaka, Bangladesh. CGPA: 3.76/4.00

#### WORK EXPERIENCES:

August 2018 – December 2018	<i>Instructor of <b>GEO 419: Introduction To Remote Sensing</b> (Fall 2018).</i> Worked as an autonomous instructor with full responsibility to teach, organize and manage theory and lab classes. Department of Geography, University of Kentucky.
August 2016 – December 2017	<i>Instructor of <b>GEO 130: Earth's Physical Environment</b> (Fall 2016, Spring 2017, and Fall 2017).</i> Worked as an autonomous instructor with full responsibility to teach, organize and manage the class. Department of Geography, University of Kentucky.
August 2015 – May 2016; January 2018 – May 2018	<i>Teaching Assistant of <b>GEO 130: Earth's Physical Environment</b> (Fall 2015, Spring 2016, and Spring 2018).</i> Assigned as a co-instructor to teach and manage the hybrid setting class. Department of Geography, University of Kentucky.

January 2016 – *Teaching Assistant of GEO 133: Science and Policy of Natural Hazards* (Spring 2016). Assigned as a co-instructor to teach and manage the hybrid setting class.  
May 2016  
Department of Geography, University of Kentucky.

#### RESEARCH INTERESTS:

Fluvial geomorphology, Biogeomorphology, Non-linear landscape dynamics, Fluviokarst landscape dynamics, Applied GIS and Remote Sensing, Spatial and temporal statistics in landform analysis.

#### PUBLICATIONS:

##### Referred journal articles:

1. **Jerin, T.**, (2019). Biogeomorphic Effects of Woody Vegetation on Bedrock Streams. *Progress in Physical Geography* (accepted).
2. **Jerin, T.**, and Phillips, J. (2017). Local efficiency in fluvial systems: Lessons from Icicle Bend. *Geomorphology*, 282, 119–130.
3. **Jerin, T.** and Rahman, M.M. (2015) Groundwater Depletion in Dhaka City, Bangladesh: A spatio-temporal analysis. *Oriental Geographer*, 56, 25-42.

##### Manuscript in revision and preparation:

1. **Jerin, T.**, and Phillips, J. (2019). Biogeomorphic Keystones and Equivalents: Examples from a Bedrock Stream (under review in *Earth Surface Processes and Landforms*).
2. **Jerin, T.**, Phillips, J. and Kim, D. (2019). Analyzing the trivariate relationships among river hydraulic geometry, vegetation and substrate characteristics across the longitudinal gradient of a bedrock fluvial system (in preparation; target journal: *Geomorphology*).

#### PRESENTATIONS:

##### Oral presentations:

1. **Jerin, T.**, and Phillips, J. (2017). Local efficiency in fluvial systems: Lessons from Icicle Bend, presented at *the Association of American Geographers (AAG) Conference* held on April 5-9 at Boston, Massachusetts.
2. **Jerin, T.**, (2018). Biogeomorphic Effects of Woody Vegetation on Bedrock Streams presented at *the Association of American Geographers (AAG) Conference* held on April 10-14 at New Orleans, Louisiana.

3. **Jerin, T.**, (2019). Biogeomorphic Keystones and Equivalents: Examples from a Bedrock Stream, presented at *the Association of American Geographers (AAG) Conference* held on April 3-7 at Washington DC.

#### **Poster presentations:**

1. **Jerin, T.** and Turkington, A. (2017) A review of biotic roles in disturbance induced regime shifts of geomorphic systems, poster presented at *the 48<sup>th</sup> Annual Binghamton Geomorphology Symposium* held on October 14-15 at San Marcos, Texas.
2. **Jerin, T.** and Ishtiaque, A. (2015) Groundwater Depletion in Dhaka City, Bangladesh: A spatio-temporal analysis, poster presented at *American Geophysical Union (AGU) Conference* held on December 14-18 at San Francisco, California.
3. Ishtiaque, A., Nazem, N. I. and **Jerin, T.** (2015) Natural disaster induced losses at household level: A study on the disaster affected migrants, poster presented at *American Geophysical Union (AGU) Conference* held on December 14-18 at San Francisco, California.

#### **TECHNICAL SKILLS:**

- GIS & Remote Sensing: QGIS, ArcGIS, GeoDa, ERDAS Imagine, ENVI.
- Software: RiverTools, IBM SPSS, JMP, Oracle VM VirtualBox, Inkscape.
- Programming Language: R-statistics, Python.

#### **REVIEWER OF JOURNAL ARTICLES:**

- Science of the Total Environment
- Natural Hazards
- Spatial Information Research

#### **AWARDS/GRANTS:**

- Research fellowship, Spring 2019. Department of Geography, University of Kentucky.
- Barnhardt Withington Funds, Department of Geography, University of Kentucky (2016-2017).
- Binghamton Geomorphology Symposium Scholarship (2017).
- Bangladesh-Sweden Trust Fund Travel Award (2016).
- Dean's Award, Faculty of Earth & Environmental Sciences, University of Dhaka (2016).
- Dhaka University Alumni Association Merit Grant (2010–2013).
- Environmental Science Fair Award, Ministry of Environment and Forest, Bangladesh (2012).
- World Environment Day Visual Presentation Award (Theme: Forest: Nature at your Service), Department of Geography and Environment, University of Dhaka (2011).

#### PROFESSIONAL OUTREACH:

- Student Member, Association of American Geographers (AAG) (2016 – present)
- Student Member, American Geophysical Union (AGU) (2015 – present)

#### SERVICE ACTIVITIES:

- Professional Development Committee, Department of Geography, University of Kentucky. (August 2016 -May 2017)
- *Organizer*, 16 Days Activism by UN-WOMEN against Gender Violence. (2013)
- *Publication Secretary*, Environmental Club, Department of Geography and Environment, University of Dhaka, Bangladesh. (2010-12)