

Yurika Kato

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Education

Ph.D. in Geography University of Kansas, Lawrence, KS	Ongoing
Master of Science in Geoscience University of Missouri-Kansas City, Kansas City, MO GPA: 3.7	December 2016
Bachelor Degree in Bioresource Sciences Nihon University, Kanagawa, JAPAN Cumulative GPA: 3.44	March 2012

Related Experience

Human Geography, Department of Geography, KU

- Graduate Research Assistant January 2017 – Present

Hydro Laboratory, Department of Geosciences, UMKC

- Graduate Teaching Assistant (Environmental Science 110 Lab) January 2015 – December 2016
- Graduate Research Assistant August 2014 – December 2014

Environmental Conservation Laboratory, College of Bioresource Sciences, Nihon University, Japan

- Trainee Student April 2013 - July 2013
- Research Student April 2012- March 2013

Technical Skills

Arc GIS, ERDAS Imagine, Microsoft Office (Word, Excel, and PowerPoint), Modflow

Certificates

- GIS ArcMap 10 Professional web course ESRI 45hours (December 2013)
- Hazardous Waste Operation Training Course 40hours (January 2016)
- Curator's certificate in progress – Nihon University, Japan

Awards

- Graduate Teaching Assistant (2015-2016)
- Graduate Research Assistant (2014-2014)
- Graduate Student Travel Grant (2015)
- UMKC Women Council Scholarship (2015)

Relevant Coursework and Projects

Effect of Earthquake and Human Migration on Landcover and Mass Wasting from the 2010 Haiti Earthquake (Thesis Research) Ongoing

- Using GIS and Remote sensing techniques to generate landslide inventory maps and landuse/cover maps for long-term change detection.

Environmental Remote sensing Digital Image Analysis (Coursework) Spring 2014

- Presented project "Identify the High Risk Erosion Areas in Atchison, Kansas". Generated slope degrees from DEM data and analysis with classified images using GIS.

Advanced GIS (Coursework) Fall 2013

- Presented project "Detection of Flood-Prone Areas in Downtown Kansas City, Missouri". Utilized DEM data to generate slope and hill shade of the study area. 3D interpretation was used to visualize flooding areas.

A GIS Based Spatio-Temporal Analysis of Burcucumber (*Sicyos angulatus L.*) in Japan (Thesis Research) April 2012

- Survey data, published by Japan Government were used to make the GIS-layers and the extent of invasion was investigated from the perspectives of elevation, river-width and regionality.

Poster Presentation and Publication

- "Effects of Light Irradiation on Physiology and Water Demand of Plants" Center of Environmental Information Science Conference 2012, Tokyo, JAPAN, December 5, 2012
- "Effects of Earthquake and Human Migration on Land Cover Change and Mass Wasting from the 2010 Haiti Earthquake" American Geophysical Union Fall Meeting 2015, San Francisco, California, December 17, 2015
- Kato and Lee (2015, Dec 17). How the 2010 Haitian Earthquake & Resulting Human Migration Affected Landslide Occurrences. Retrieved from <http://landsat.gsfc.nasa.gov/?p=11724>

Languages

- Japanese Mother tongue
- English Good
- French Beginner (French level 4 certificate from Japan)
- Germany Beginner
- Spanish Beginner
- Korean Basic

References

- Available upon request