

Guoqian Yan

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Education

2014-Present

Ph.D. Geography, University of Florida, Gainesville, Florida, USA

2007-2010

M.S. Cartography and Geographic Information System, Northeast Normal University, Changchun, Jilin, China

2003-2007

B.S. Geographic Information System, Northeast Normal University, Changchun, Jilin, China

Publications

1. Yan Guoqian, Zhao Yunsheng, Ning Yanling, Zhao Naizhuo, Zhong Guixin. Study on the Main Influencing Factors of Mixed-Pixel Spectral Characteristics. *Spectroscopy and Spectral Analysis*. 2009 Vol.29 No.12: 3358–3361.
2. Sun Zhongqiu, Zhao Yunsheng, Yan Guoqian, Li Shaoping. Study on the Hyperspectral Polarized Reflection Characteristics of Oil Slicks on Sea Surfaces. *Chinese Science Bulletin*, 2011 Vol.56 No.15: 1596–1602.
3. Sun Zhongqiu, Zhao Yunsheng, Yan Guoqian. Inversing the Best Bands of Briny Density by Using Hyperspectral Multi-angle and Polarization Information. *J. Infrared Millim. Waves*. 2010, 29(3): 201-204.

Professional Experience

2014.08-Present

Teaching Assistant, Department of Geography, University of Florida.

2007.09-2009.07

Assistant Administrator of Spatial Polarized Hyperspectral Laboratory, Department of Geography, Northeast Normal University.

Academic Prizes, Awards and Honors

2009-2010 Scholarship from China Scholarship Council

2008-2009 Scholarship for Excellent Postgraduate

2008-2009 Excellent Postgraduate

2008-2009 Advanced Individual for Postgraduate Academic Activity

2007-2008 Scholarship for Excellent Postgraduate

2007-2008 Excellent Postgraduate

2007-2008 Advanced Individual for Civilized Dormitory

2006-2007 First-class Scholarship, Excellent student

2005-2006 First-class Scholarship, Excellent student

2004-2005 Second-class Scholarship, Excellent Student

2003-2004 President Scholarship, Excellent Student

Participated in Academic Projects

- National Natural Science Foundations of China (49501018)

The Conservation of Northeast Black Soil Area using Remote Sensing Data and GIS Methods.

- National Natural Science Foundations of China (41271350)

The Research on Thermal Emission Polarized Characteristics of Typical Ground Targets.

- National Natural Science Foundations of China (40971190)

The Research on Hyperspectral Polarized Reflected Properties of Mixed Pixel.

- National Natural Science Foundations of China (40771153)

Extracting and Mathematical Modeling of Surface Objects' Polarized Reflectance Characteristics.

- National Natural Science Foundations of China (40572167)

Multi-angle Polarized Reflected Spectral Theory and Detective Mechanism of Rock Density in Remote Sensing.

- National Natural Science Foundations of China (40971116)

Analysis of Phytolith in Changbai Mountain and Study of Holocene Climate.

- Collecting relevant materials and papers.
- Data Collecting, Analysis and Processing.
- Constructing and improving the quantitative model.

Equipment and software:

ArcGIS, ERDAS, C, Visual Basic, SPSS, FieldSpec Spectroradiometer, Ocean optics Spectrometer.