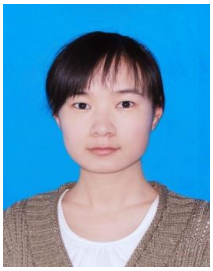
CURRICULUM VITAE

Personal Profile



Name: Jian Huang Gender: Female

Date of birth: 02/25/1985 Major: Environmental Science

Resident city: Beijing Education: Ph.D.

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Education

- **Old Dominion University (ODU), USA** 08/2013 – Present

  Visiting Ph.D. Candidate & Graduate Research Assistant, Environmental Engineering

  Advisor: Xixi Wang, Ph.D., P.E., Associate Professor

  Major Courses: English Composition; Environmental Geography; Chemical Oceanography; and Water Resources Processes and Analysis Methods.

  Dissertation: Effects of Hydrology and Hydrodynamic force on the Eutrophication of Shallow Lakes in Eastern China

- **Beijing Normal University** Sept. 2011 – Aug. 2013

  Ph.D.Student & Graduate Research Assistant, Environmental Science

  Advisor: Hongliang Liu, Professor, Academician of Chinese Academy of Engineering

  Major Courses: English (for Doctor Program), The latest Achievements & Trends of Environmental Sciences, Frontier of Environmental Sciences, and Senior Water Environmental Chemistry.

  Dissertation: Effects of Hydrology and Hydrodynamic force on the Eutrophication of Shallow Lakes in Eastern China

- **Inner Mongolia Agricultural University** Sept. 2008 – July 2011

  M.S. Student & Graduate Research Assistant, Hydrology and Water Resources

  Advisor: Keli Jia, Professor

  Major Courses: Water Conservancy and Civil Engineering, Water Environmental Modeling, Artificial Intelligence, and Geostatistics, Soil Solute Transport.

Thesis: Stochastic Analysis of Hydrological Time Series base on Wavelet Theory in Hulun Basin

- **Taiyuan University of Technology** Sept. 2003 – July 2007

  B.S. Student, Water Resources and Hydropower Engineering

  Major Courses: Hydraulics, Hydraulic Engineering and Geology, Water Environmental Chemistry, Hydraulic Reinforced Concrete Structure, Construction of Hydro Project, Hydraulic Structure, Hydraulic Engineering Survey, Engineering Seepage, Engineering Hydrology and Hydraulic Calculation, Soil Mechanics, and Irrigation and Drainage.

  Capstone Project: Budget Estimate Making of Mafanggou Water Lifting Engineering in Shanxi Province

Research and Teaching Interests

- Lake eutrophication and restoration
- Effects of hydro-climate and hydrodynamics on lake water quality
- Modeling and experimental studies of lake algal dynamics

Research Experience

- **Graduate Research Assistant, ODU** Aug. 2013 – Present
  - Research Focus: "The Effect of Hydrology and Hydrodynamic on Eutrophication in Chinese Shallow Lakes"
    - Effects of Lake-Basin Morphological and Hydrological Characteristics on the Eutrophication of Shallow Lakes in Eastern China
    - Hydrology-Climate-Morphology Influences on Cyanobacterial Bloom in Lakes Fed by Yangtze River
    - Long-Term Variations of TN and TP in Four Lakes Fed by Yangtze River at Various Time Scales
    - Evaluation of a Modified Monod Model for Predicting Algal Dynamics in Lake Tai
- **Graduate Research Assistant, Chinese Research Academy of Environmental Sciences**

  Sept. 2011 – Aug. 2013
  - Research Focus: "The Effect of Hydrology and Hydrodynamic on Eutrophication in

Chinese Shallow Lakes"

- Design and finish the experiment "Experiment Study on Effects of Hydrodynamic Disturbance on the interaction between the Cyanobacterial growth and nutrient". Familiar with water quality test methods; skilled use of statistical software (Excel, SPSS, Original 8.5) for in-depth analysis of the data.
- Field sampling and water quality monitoring in more than thirsty lakes in China, Such as Lake Tai (in Jiangsu); Lake Hulun, Wuliangsuhai, Dali (in Mongolia); Lake Kanasi, Bositent, Wulungu (in Sinkiang); Lake Fuxian (in Yunnan); Lake Yaohu, Chenjiahu (in Jiangxi); Lake Chao, Shengjinhu, Caizihu, etc. (Seventeen lakes in Anhui).

  Skilled use of monitoring equipment; familiar with a variety of water quality test methods including TN, TP, Chl-a, COD, BOD, etc; foster a hard-working spirit.

➢ **Graduate Research Assistant, Chinese Research Academy of Environmental Sciences**

June 2010 – July 2011

❑ Research Focus: "The Eutrophication Characteristics of Lake Hulun and Wuliangsuhai"

- Field sampling and water quality monitoring in water quality monitoring stations of Lake Wuliangsuhai.
- Field sampling, water quality and soil monitoring in Lake Hulun basin which is 10^5 Km^2.

Publications

➢ Peer-Reviewed Journal Papers

1. **Jian Huang**, Xixi Wang, Qiujin Xu, Beidou Xi*, Weiping Li, Xing Peng, Yali Zhang, Caihong Song, Mingxiao Li, Keli Jia, Hongliang Liu. Hydrology-climate-morphology influence on cyanobacterial bloom in lakes fed by Yangtze River. Ecological Indicators. (Submitted)
2. **Jian Huang**, Beidou Xi*, Qiujin Xu, Xixi Wang, Weiping Li, Shouliang Huo, Liansheng He, Qigong Xu, Hongliang Liu, Keli Jia, 2015. Experiment study on effects of hydrodynamic disturbance on the interaction between cyanobacterial growth and nutrient. Journal of Hydrodynamics. (SCI, Accepted)
3. **Jian Huang**, Xixi Wang*, Beidou Xi, Qiujin Xu, Yan Tang, Keli Jia, Shouliang Huo, An Da, Ruizhong Gao, Hongliang Liu, Xiaoguang Li, Minmin Liu, Jingying Mao, 2015. Long-term variations of TN and TP in four lakes fed by Yangtze River at various time scales. Environment Earth Sciences, 74(5), 3993-4009. (SCI)

4. **Jian Huang**, Qiujin Xu*, Xixi Wang, Beidou Xi, Keli Jia, Shouliang Huo, Hongliang Liu, Changyou Li, Bingbing Xu, 2015. Evaluation of a modified Monod model for predicting algal dynamics in Lake Tai. Water, 7, 3626-3624. (SCI)
5. **Jian Huang**, Qiujin Xu*, Beidou Xi, Xixi Wang, Weiping Li, Guang Gao, Shouliang Huo, Xunfeng Xia, Tiantian Jiang, Danfeng Ji, Hongliang Liu, Keli Jia, 2015. Impacts of Hydrodynamic Disturbance on Sediment Resuspension, Phosphorus and Phosphatase Release, and Cyanobacterial Growth in Lake Tai. Environment Earth Sciences, 74(5), 3945-3954. (SCI)
6. **Jian Huang**, Qiujin Xu*, Beidou Xi, Xixi Wang, Keli Jia, Shouliang Huo, Jing Su, Ting Zhang, Caole LI, 2014. Effects of lake-basin morphological and hydrological characteristics on the eutrophication of shallow lakes in east China. Journal of Great Lakes Research, 40, 666-674. (SCI)
7. Jian Huang, Keli Jia*, Beidou Xi, 2011. Lake eutrophication assessment and comparative analysis of neutral networks in cold and arid region. Yellow River, 33(1), 75-76. (In Chinese)
8. Jian Huang, Keli Jia*, Changyou Li, 2010. Complexity and trend analysis of hydrological sequence based on wavelet theory. Water Saving Irrigation, 10, 40-42. (In Chinese)
9. Qiang Luo, Changyou Li*, Jian Huang, Min Gao, 2012. Pollution analysis and eutrophication assessment of Wuliangsuhai Lake by ArcGIS. Yellow River, 34(7), 53-55. (In Chinese)

- Conference Papers

1. **Jian Huang,** Qiujin Xu*, Beidou Xi, Xixi Wang, 2013. Eutrophication of Typical Chinese Shallow Lakes as affected by Hydrologic Characteristics and Lake-Basin Morphology. American Geophysical Union, Fall Meeting 2013, San Francisco.
2. **Jian Huang**, Keli Jia, Beidou Xi. The Spatial Distribution Characteristic of Grassland Soil in Hulun Lake Basin. IEEE Catalog Number: CFP1113I-PRT，
ISBN: 978-1-61284-113-7

- Technical Reports

1. Coauthored "Comprehensive treatment and planning of Lake Wuliangsuhai."
2. Coauthored "The effect of hydrology and hydrodynamic on eutrophication in Chinese shallow lakes (41473110)."

Research Projects as a Primary Member

- 2015 Natural Science Foundation of China (NSFC): The Effect of Hydrology and Hydrodynamic on Eutrophication in Chinese Shallow Lakes (41473110)
- The Eleventh Five-Year Plan, Major National Science and Technology Projects – Water Pollution Control and Governance: The Research on Nutrients Criteria and Eutrophication Standardof Chinese Lakes (2009ZX07106 – 001)

- The Twelfth Five-Year Plan, Major National Science and Technology Projects – Water Pollution Control and Governance: The Integrated Technology for Water Pollution Control and Remediation at Watershed Scale and its Benefit Assessment (2014ZX07501-006)
- The Twelfth Five-Year Plan, Major National Science and Technology Projects – Water Pollution Control and Governance: The Water Pollution Control and Management of Major Projects (WPCMMP) Committee of China (2012ZX07101-002)
- National Natural Science Foundation: Different eutrophication critical study of grass-based shallow lakes of arid areas (50569002).

Honors and Awards

- 2013 – 2015 China Scholarship Council (CSC) scholarship
- 2011 – 2012 Outstanding student of Chinese Research Academy of Environmental Sciences
- 2010 – 2011 Outstanding graduates of Inner Mongolia Agricultural University
- 2008 – 2009 Scholarship of Inner Mongolia Agricultural University
- 2008 – 2009 Excellent student of Inner Mongolia Agricultural University
- 2005 – 2006 The First Prize in speech contest in Taiyuan Technology University

English Proficiency

- Listening and speaking for daily communication and academic exchange
- Reading and writing for conducing academic research and publishing SCI journal papers
- Overall proficiency sufficient for giving presentations on conferences and in classrooms

Certificates

- College English (band four)
- Mandarin mother tongue (first level)
- National Computer Exam (Grade 2)
- Electronic information industry training certificate (Auto CAD)

Computer Literacy

- Familiar with various statistical analysis software packages (e.g., Microsoft Eecel®, SPSS®, Originia® 8.5)
- Familiar with ArcGIS® and Auto CAD®

- Expert in document processing software packages such as Microsoft Offices®

Hobbies

- Reading; singing; enjoying oceans and grasslands

Personalities

- Loyal and persistent
- Collaborative but independent
- Diligent, creative, and thinking
- Curious to new ideas and things