

Short CV of Prof. Jun Xia, Ph.D., Dr. Academician

Education and Degrees:

1982-1985	Ph.D. Hydrology & Water resources, Wuhan University
1978-1981	M.Sc. Land Hydrology, Wuhan University
1973-1976	Degree, First Class Standing, Water resources, Wuhan University

Positions held:

2012 - present	Academician of Chinese Academy of Sciences (CAS), elected on 2015 Chair Professor on Hydrology & Water Resources, Wuhan University Director, RIWS for Wuhan University Director, Center for Water Resources Research (CWRR), CAS
2005 – 2011	Leading Professor on Hydrology & Water resources, Institute of Geographical Sciences & Natural Resources Research, CAS Director General, Key Lab. of Water Cycle & Related Land Surface Processes, CAS Director, Center for Water Resources Research, Chinese Academy of Science
1998 – 2004	Director, State Key Lab. of Water Resources & Hydropower Engineering Sciences, Dean & Chair Professor, Faculty of Water Resources & Hydropower Engineering, Wuhan University
1991 – 1997	Professor & Director, Institute of Hydrology & Water Environment, Wuhan University
1976 – 1990	Associate Professor/Lecture on Hydrology & Water Resources, Wuhan University

Areas of Expertise:

Hydrology; Nonlinear system coupled with environment changing and human activity; and water resources management & policy.

Awards and Fellowships:

IUGG Elected Fellow (2019)
State Natural Science Award in China (2017)
Honorary Member for IWRA (2016)
International Hydrology Prize-Volker Medal by IAHS, UNESCO & WMO (2014)
International Prize for Outstanding Contributions to Water Management by TWCWM (2011)

Special duties:

Bureau member	International Union of Geodesy and Geophysics (IUGG), 2019-2023
President	International Water Resources Association (IWRA), 2010-2012
Vice President	International Water Resources Association (IWRA) , 2003-2006
Vice President	International Association of Hydrological Science (IAHS) , 2003-2007
Honorary VP	International Association of Hydrological Science (IAHS) , 2017-
Board Member	SAC for UNESCO-IHP, Ecohydrology Programme, (2018-)
Vice President	International Commission of Water Resources System, IAHS, 1996-1999
Chair	Working Group of Representation of Developing Countries (WGRDC), 2015-2020
Governor	Board of World Water Council (WWC) , 2009-2015
Co-Chair	Inter-Academy Council for Water Programme
Director	Asia Scientific Network Office of Global Water System Project (GWSP-ANSO)
Chairman	Asia-Pacific Regional of Inter-Academy Panel for Water Programme
Chairman	Chinese National Committee for Global Water System Project (GWSP-CNC)
Associated Editor	Journal of Ecohydrology & Hydrobiology (2015 -)
Associated Editor	Journal of Hydrologic Engineering, ASCE (2010-2015)
Associated Editor	International Journal of Water Resources Development (2010-2015)
Associated Editor	Urban Water Journal (2005-)
Associated Editor	Hydrological Science Journal (1996-2003)

Selected Recent Research Publications:

ARTICLES IN REFEREED JOURNALS

- Xia Jun, Zhang Yong Yong, XIONG Li Hua et al., Opportunities and challenges of the Sponge City construction related to urban water issues in China[J], SCIENCE CHINA: Earth Sciences, 2017, 1-7, doi: 10.1007/s11430-016-0111-8
- Mao G., Xia J. He X. Tang Y. & Liu J., 2017, Hydrology on a coupled human-nature system: research, innovation, and practices, Bulletin of the American Metrological Society, 98(12), 2017, ES295-ES298.
- Xia Jun, Ning Like, Wang Quan, Chen Junxu, Wan Long, Hong Si. Vulnerability of and risk to water resources in arid and semi-arid regions of West China under a scenario of climate change. Climatic Change, 8 (2016), 1-15.
- Xia Jun, Shi Wei, Hong Si. Linkages with the quantitative assessment of water resources vulnerability: A new approach for adaptive water management under changing environment. Water Science and Technology: Water Supply, 16(4) (2016), DOI: 10.2166/ws.2016.112.
- Xia Jun, Chen Junxu, Weng Jianwu, Yu Lei, Qi Junyu, Liao Qiang, Vulnerability of water resources and its spatial heterogeneity in Haihe River Basin, China, Chinese Geographical Science, 24(5) (2014), 525-539.
- Xia Jun*, Zeng Sidong, Du Hong, Zhan Chesheng, Quantifying the effects of climate change and human activities on runoff in the water source area of Beijing, China, Hydrological Sciences Journal, 59(10) (2014), 1794-1807.
- Xia Jun, Zhang Yongyong, Zhao Changsen, Bunn Stuart E., Bioindicator assessment framework of river ecosystem health and the detection of factors influencing the health of the Huai River Basin, China, Journal of Hydrologic Engineering, 19(8) (2014), 04014008.
- Xia Jun*, Climate change impact on water security & Adaptive management in China: Introduction, Water International, 37(5) (2012), 509-511.
- Xia Jun, Qiu Bing*, Li Yuanyuan, Water resources vulnerability and adaptive management in the Huang, Huai and Hai river basins of China, Water International, 37(5) (2012), 523-536.
- Xia Jun*, An integrated management approach for water quality and quantity. Case studies in North China, International Journal of Water Resources Development, 28(2) (2012), 299-312.
- Xia Jun, Du Hong, Zeng Sidong, She Dunxian, Zhang Yongyong, Yan Ziqi, Ye Yan, Temporal and spatial variations and statistical models of extreme runoff in Huaihe River Basin during 1956-2010, Journal of Geographical Sciences, 22(6) (2012), 1045-1060
- Xia Jun, She Dunxian, Zhang Yongyong, Du Hong, Spatio-temporal trend and statistical distribution of extreme precipitation events in Huaihe River Basin during 1960-2009, Journal of Geographical Sciences, 22(2) (2012), 195-208.
- Xia Jun*, Zhang Yongyong, Zhan Chesheng, Ye Aizhong, Water quality management in China: The case of the Huai River Basin, International Journal of Water Resources Development, 27(1) (2011), 167-180.

BOOKS, BOOK CHAPTERS AND VOLUMES EDITED

- Benedito Braga, Colin Chartres, William J. Cosgrove, Luis Veiga da Cunha, Peter H. Gleick, Pavel Kabat, Mohamed Ait Kadi, Daniel P. Loucks, Jan Lundqvist, Sunita Narain, Xia Jun (in alphabetic order), *Water and the future of humanity: Revisiting water security*, Springer International Publishing AG, 2014, Springer New York Heidelberg Dordrecht London.
- Xia Jun (ed.), *Climate Change Impact on Water Security and Adaptive Management in China*, Water International, 2012, 37(5), France.
- Xia Jun (ed.), *Water Security under Global Change*, Bulletin of Chinese Academy of Sciences (BCAC), 2011, 16(1), Beijing.
- Xia Jun, Huang Guohe (ed.), Flood Prevention and Watershed Management, Water International, 26(2), 2001, USA.
- Xia Jun, Takeuchi K. (ed.), Barriers to Sustainable Management of Water Quality and Quantity, Hydrological Sciences Journal, 44(4), 1999, UK.