Curriculum Vitae

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Prof. Xiaojun Wang is the Deputy Director of Rural Water Management Department, Nanjing Hydraulic Research Institute of Ministry of Water Resources (MWR), Secretary-General of Chinese National Committee of International Association of Hydrological Sciences (CNC-IAHS), President of Commission on Young Hydrologists of CNC-IAHS, Vice President of Chinese National Committee of Young Earth Scientists (YES）, Section Secretary of Hydrological Sciences of Asia Oceania Geosciences Society (AOGS), Ph.D. supervisor of Hohai University, Northwest A&F University, et al. His main research interests include impacts and adaptation to climate change on water resources, integrated water resources modeling and management. He has served as Associate Editor or Guest editor of Journal of Hydrology, Water, International Journal of Climate Change Strategies and Management, et al. He has published more than 230 research articles on different aspects of hydrology and water management, most of them are internationally reputed journals indexed by SCI and EI. He also published 11 books and invited to deliver lectures in difference conferences in Australia, Canada, UK, Ireland, Hungary, Singapore, Malaysia, India, Rwanda, Ethiopia, Zambia and many other countries. He was awarded the Young Top-Notch Talent Support Program of National High-level Talents Special Support Plan of China, Leading talent of the Ministry of Water Resources and many other awards. He also successfully completed international projects such as China-US, China-UK, China-Netherlands, China-South Korea, China-UK-Switzerland, "Belt and Road" Fund, and number of government funded research projects.

PROFESSIONAL EXPERIENCE

05/2024-Present	Dean, School of Soil and Water Conservation，Nanchang Inst. of Technology, China
04/2024-Present	Deputy Director, Rural Water Management Dept,, NHRI, China
11/2014-Present	Senior Engineer/Professor, NHRI, China
11/2016-Present	Senior Engineer/Professor, Research Centre for Climate Change, MWR, China
06/2016- 03/2018	Senior Engineer, Dept. of Planning and Programming, MWR, China
11/2011-07/2013	Engineer, Department of Water Resources, MWR, China
06/2011-06/2014	Engineer, Nanjing Hydraulic Research Institute, MWR, China
04/2009-04/2010	Program Coordinator, Water Resources Management Center, MWR, China

ONGOING AND COMPLETED RESERCH PROJECTS

Time	Project	Role
2023-2027	National Key Research and Development Program, “Key Technologies and Application Demonstrations for the Protection and Restoration of Groundwater-River-Lake Systems and Water adaptability regulation in the Yellow River Bend Area”	Team leader
2020-2023	National Natural Science Foundation International (Regional) Joint	Team leader

	Research Program between China and USA, “Integrated systems modeling for sustainable FEW nexus under multi-factor global changes: innovative comparison between the Yellow River and Mississippi River Basins”	
2021-2022	The Belt and Road Science and Technology Fund on Water and Sustainability Project, “Urban Water Challenges in Asian Cities Due to Climate Change and Their Mitigation”	Team leader
2020-2021	The Belt and Road Science and Technology Fund on Water and Sustainability Project, “A Decision Support System for Strategic Planning of Sustainable Water Security in Some Asian Belt & Road Countries”	Team leader
2019-2021	National Natural Science Foundation International (Regional) Joint Research Program between China and Korea, “Multi-users Water Demand Forecasting and Uncertainty Analysis under Future Climate Change”	Team leader
2018-2020	Outstanding Young Scientist Foundation of National Natural Science Foundation of China, “Water Demand Forecasting and Management for Water-intensive Industries”	Team leader
2017-2020	National Key Research and Development Program, “Unconventional and conventional water resources coordinative allocation and utilization strategy”	Team leader
2018-2018	China Water Resource Conservation and Protection Project, “Evaluation of the water resources carrying capacity in the main stream of the Yangtze River and countermeasures for optimizing the layout of chemical industry”	Team leader
2018-2018	China Water Resource Conservation and Protection Project, “Assessment of water resources carrying capacity of petrochemical and coal chemical industrial bases and measures for industrial layout optimization and adjustment”	Team leader
2018-2018	China Water Resource Conservation and Protection Project, “Potential evaluation and utilization model analysis of unconventional water resources development in subarea of China”	Team leader
2017-2019	Royal Academy of Engineering Funding Project, cooperating with Newcastle University, UK: A Virtual Collaboratory for Flood Forecasting, Flood Warning and Decision-making Under Uncertainty in Urban Flood Management	Participator
2017-2017	The entrusted project of Zhejiang water resources management center, “Design, assessment and technical guidance of water ecological civilization construction index system in Zhejiang province”	Team leader
2016-2017	China Water Resource Conservation and Protection Project, “Assessment of water dispatching effect and analysis of water recharge measures in Heihe River Basin”	Team leader
2015-2015	Ministry of Water Resources (MWR) funded project, “Assessment of	Team leader

	water saving potential in coal power industry"	
2015-2015	Ministry of Water Resources (MWR) funded project, "Technical requirements for water resources assessment in metallurgical industry construction projects"	Team leader
2015-2015	Ministry of Water Resources (MWR) funded project, "Technical requirements for water resources assessment in petrochemical and chemical industry construction projects"	Team leader
2015-2015	The entrusted project of Bureau of Comprehensive Development of MWR, "Study on the control index system of planning water resources argumentation"	Team leader

SELECTED PUBLICATIONS

Wang Xiaojun，Qian Longxia，Mei Hong, et al. Evolution and abrupt change for water use structure through matrix-based Renyi's alpha order entropy functional [J]. Stochastic Environmental Research and Risk Assessment, 2022, 36(5):1413-1428.

Wang Xiaojun，Amgad Elmahdi，Zhang Jianyun，Shamsuddin Shahid，Liao Chuanhua，Zhang Xu，Liu Yonggang，Water use and demand forecasting model for coal-fired power generation plant in China，Environment Development & Sustainability，2019，21（4）：1675-1693；

Wang Xiaojun，Zhang Jianyun，Shahid Shamsuddin，Xie Wei，Du Chaoyang，Shang Xiaochuan，Zhang Xu，Modeling domestic water demand in Huaihe River Basin of China under climate change and population dynamics，Environment Development and Sustainability，2018，（20）：911-924；

Wang Xiaojun，Zhang Jianyun，Shahid Shamsuddin，Bi Shouhai，Amgad Elmahdi，Liao Chuanhua，Li Youde，Forecasting industrial water demand in Huaihe River Basin due to environmental changes，Mitigation & Adaptation Strategies for Global Change，2018，23（4）：469-483；

Wang Xiaojun*，Zhang Jianyun，Shamsuddin Shahid，Guan Enhong，Wu Yongxiang，Gao Juan，He Ruimin，Adaptation to climate change impacts on water demand，Mitigation and Adaptation Strategies for Global Change，2016，21（1）：81-99；

Wang Xiaojun*，Zhang Jianyun，Shamsuddin Shahid，He Ruimin，Xia Xinghui，Mou Xinli，Potential impact of climate change on future water demand in Yulin city, Northwest China，Mitigation and Adaptation Strategies for Global Change，2015，20（1）：1-19.