

Candidate of Hydrological Science (HS) Section President

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MISSION STATEMENT

As an accomplished hydrologist and a passionate advocate for sustainable water resource management, I am honored to accept my nomination as a candidate for President of the Hydrological Science Section of the Asia Oceania Geosciences Society (AOGS). My mission is to enhance the understanding and management of water resources through collaborative research, innovative practices, and effective policy advocacy. I am committed to fostering an inclusive community that encourages interdisciplinary dialogue and empowers scientists, practitioners, and policymakers to address critical global water challenges, including climate change, water scarcity, and ecosystem preservation.

I have actively engaged with the international community and contributed to policy advocacy over the past 15 years. My journey began in 2009 when I attended the International Hydrological Science Association Scientific Congress in India, followed by participation in the International Rivers Forum in Australia in 2010 and the IUGG Alliance Congress in Singapore and Australia in 2011. These experiences deepened my understanding of Asia's diverse and complex water issues. Since then, I have conducted academic exchanges across Malaysia, Laos, Korea, and other Asian nations, enriching my insights into regional water challenges.

As the Secretary-General of the China Committee of the International Hydrological Association, I have fostered continuous dialogue and collaboration with countries like Japan, Korea, and India, promoting effective water governance across Asia. As Chairman of the Youth Hydrological Chapter, I initiated the International Forum on Hydrology Youth, uniting young hydrologists worldwide to discuss future water security strategies. I have also organized several international seminars, including the China-Sri Lanka Bilateral Seminar on Climate Change and the Lancang-Mekong Water Resources Cooperation Forum, to enhance cooperation among Asian countries in hydrological sciences.

Leveraging my extensive experience with the Ministry of Water Resources of China, I have participated in numerous bilateral and multilateral meetings with countries such as Singapore, Thailand, South Korea, and Japan, overseeing various international cooperation projects focused on water security challenges within the "Belt and Road" initiative. Collaborating with institutions like Hohai University, I have guided international students in research and provided specialized training courses for professionals from countries like Uzbekistan and Vietnam, contributing significantly to capacity-building efforts in water resource management.

Since 2019, as Secretary of the Hydrology Branch of the Asia Oceania Geosciences Society (AOGS), I have actively managed the branch and successfully organized numerous academic conferences, including the International Symposium on Opportunities and Challenges for Hydrological Sciences in Asia-Oceania under Climate Change. By promoting dialogue on "Water

Resources Management in Asian Countries in a Changing Environment," I have recognized the urgent need for unity and cooperation among Asian nations to effectively address water security challenges. With a vision to further enhance the AOGS Hydrology Branch's impact, my campaign will focus on several key initiatives:

Enhancing International Influence: I aim to expand the global presence of the AOGS Hydrology Branch by fostering collaborations with prestigious organizations such as the International Association of Hydrological Sciences, the International Water Resources Association, AGU, EGU, and IUGG. By leveraging my role as an editor-in-chief and editorial board member for prominent international journals, I intend to enhance academic exchanges and elevate the branch's reputation.

Capacity Building for Hydrologists: I plan to organize training programs and international exchanges for hydrological technicians across Asia, enhancing their capacity to address water security challenges. This will involve convening conferences on climate change and water security, where participants can collaboratively identify and prioritize pressing water issues in the region.

Promoting Collaborative Research: I will prioritize technological innovation and cooperation among Asian scholars, driving collaborative research on water security. By focusing on critical research areas and establishing special funds, we can address pressing water security issues, promote talent development, and create international standards that facilitate cooperation across academia and industry.

Empowering Young Hydrologists: Recognizing the importance of nurturing the next generation of hydrologists, I aim to strengthen training programs for young scientific talents in hydrology. I aim to cultivate a new wave of innovative thinkers by fostering interdisciplinary collaboration between hydrological sciences and fields such as atmospheric science, geology, and artificial intelligence. As Chairman of the Youth Subcommittee of Hydrology, I will facilitate opportunities for young scholars to pursue advanced studies and engage in international collaborations.

Public Education and Awareness: Finally, I am committed to enhancing public understanding of Asian water security issues. By promoting water science through various channels—such as media campaigns, public lectures, and exhibitions—we can raise awareness of water resources' critical challenges. This engagement will encourage societal support for water security research and foster collaborative efforts to address these challenges effectively.