

Ji CHEN

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Employment:

2020-date : HKU, Hong Kong, China; Professor
2004–2020 : HKU, Hong Kong, China; Lecturer/Assistant Professor/Associate Professor
2001–2004 : University of California, San Diego, USA; Post-doctoral Fellow

Education:

PhD, University of Illinois at Urbana-Champaign, Illinois, USA, 2001
Master of Engineering, Tsinghua University, Beijing, China, 1996
Bachelor of Engineering, Tsinghua University, Beijing, China, 1993

Areas of Teaching and Research Interests:

Hydrology and hydraulics; Climate change and urbanization effects; Water resources research; Remote sensing in hydrology; Artificial precipitation; AI application to Hydrology

Summary of Publication and Academic Supervision:

Journal Articles > 100; Conference Papers/presentations > 150
Primary supervisor: 15 PhD graduates; primary advisor: 5 Postdoctoral fellows

Memberships in Professional Associations/Committees:

- Asia-Oceania Geosciences Society (AOGS)
- American Geophysical Union (AGU)
- American Meteorological Society (AMS)
- American Society of Civil Engineers (ASCE)
- International Association of Hydraulic Engineering and Research (IAHR)
- Water Resources Commission member in the China Society of Natural Resources

Services to Academic and Scientific Communities:

- AGU Devendra Lal Medal Committee member (2020-)
- AOGS (Asia Oceania Geosciences Society) Awards Committee member (2021-)
- AOGS HS section President (June 2018 - June 2020)
- IAHR - Hong Kong Chapter Chairman (August 2019-August 2021)
- Associate Editor for 4 SCI journals: (1) Water Resources Research (Oct 2011-Dec 2015); (2) Stochastic Environmental Research and Risk Assessment (Oct 2013-); (3) Journal of Hydro-Environment Research (Oct 2014-); (4) Journal of Hydrology (July 2018 -)
- Reviewer: More than 20 International Journals; proposals for RGC, UGC (Hong Kong), NSFC
- Conferences: Technical sessions convened/chaired > 30
- Ho Hai University, Nanjing, China, Adjunct Professor (2010-2013), Chair Professor (2019-2022)

Selected Honors and Awards:

Stout WRR Award, University of Illinois, USA; Ph.D. Dissertation Completion Fellowship, University of Illinois; Outstanding Student Paper Award, AGU

Five Selected Recent Publications (*corresponding author):

1. Lu, Y., **Chen, J.***, ... & Law, W. W. (2022). Spatiotemporal variations of river water turbidity in responding to rainstorm-streamflow processes and farming activities in a mountainous catchment, Lai Chi Wo, Hong Kong, China. *Science of The Total Environment*, 160759.
2. Wang, M., **Chen, J.***, Li, J., Wang, J., & Xie, H. (2022). Statistic evaluation of low-frequency acoustic wave impact on rainfall stimulation. *Stochastic Environmental Research and Risk Assessment*, 1-13.
3. Qiu, L., **Chen, J.***, Fan, L., Sun, L., & Zheng, C. (2022). High-resolution mapping of wildfire drivers in California based on machine learning. *Science of The Total Environment*, 833, 155155
4. Feng, Y., Zeng, Z.* , ... **Chen, J.***, ... Zeng, C.* (2022). Doubling of annual forest carbon loss over the tropics during the early twenty-first century. *Nature Sustainability*, 5(5), 444-451
5. Sun, L., **Chen, J.***, Li, Q., & Huang, D. (2020). Dramatic uneven urbanization of large cities throughout the world in recent decades. *Nature Communications*, 11(1), 1-9