Shuping Li

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5-1-5 Kashiwanoha, Kashiwa, Chiba, Japan 277-8574

EDUCATION

- **Department of Civil Engineering, The University of Tokyo, Tokyo, Japan**
  2020.09 - 2024.09 Ph.D. Hillslope Hydrology
- **Rutgers University-New Brunswick, New Brunswick, New Jersey, US**
  2023.03 Visiting scholar
- **School of Geography and Planning, Sun Yat-sen University (SYSU), Guangzhou, China**
  2017.09 - 2019.07 M.E. Hydraulic Engineering
  2013.09 - 2017.07 B.E. Hydrology and Water Resources Engineering

WORK EXPERIENCES

- **The University of Tokyo, Tokyo, Japan**
  2024.10 - Present Project researcher (Postdoctoral level)
- **The University of Tokyo, Tokyo, Japan**
  2023.10 - 2024.09 Research assistant
- **South China Institute of Environmental Sciences, Guangzhou, China**
  2019.07 - 2020.08 Research intern

RESEARCH INTERESTS

- Hydrological modeling at hillslope scale in land surface model
- Impact of hillslope water dynamics on land cover heterogeneity
- Interaction between soil moisture and vegetation dynamics
- Land-atmosphere interaction
- Groundwater flooding impact assessment

PUBLICATIONS

First author, and corresponding author (*) publications:

[M4] Li, S.*, Yamazaki, D., Tozawa, T., Adachi, K., Nitta, T., Zhao, G., Zhou, X., Yoshimura, K. (2025). Resolving Land Cover Heterogeneity along Hillslope Improves Simulation of Terrestrial Water and Energy Budgets. ***Water Resources Research****, 61(9)*.

[M3] Li, S.*, Yamazaki, D., Zhou, X., Zhao, G. (2024). Where in the World Are Vegetation Patterns Controlled by Hillslope Water Dynamics? ***Water Resources Research****, 60(4).*

[M2] Li, S.*, & Sawada, Y. (2022). Soil moisture-vegetation interaction from near-global in-situ soil moisture measurements. ***Environmental Research Letters****, 17(11)*.

[M1] Li, W., Fang, H., Qin, G., Tan, X., Huang, Z., Zeng, F., Du, H.*, Li, S*. (2020). Concentration estimation of dissolved oxygen in Pearl River Basin using input variable selection and machine learning techniques. ***Science of the Total Environment****, 731, 139099.*

Other collaborative publications:

[C2] Zhao, G.*, Yamazaki, D., Tanaka, Y., Zhou, X., Li, S., Hu, Y., Hirabayashi, Y., Neal, J.C. and Bates, P.D. (2025). Developing a Levee Module for Global Flood Modelling with a Reach-Level Parameterization Approach. ***Water Resources Research****, 61(8).*

[C1] Tang, G.*, Li, S., Yang, M., Xu, Z., Liu, Y., & Gu, H. (2019). Streamflow response to snow regime shift associated with climate variability in four mountain watersheds in the US Great Basin. ***Journal of Hydrology****, 573(March), 255–266.*

TECHNICAL BOOKS

[B1] MATSIRO6 document writing team, Guo, Q., Kino, K., Li, S., Nitta, T., Takeshima, A., Suzuki, K. T., et al. (2021). Description of MATSIRO6. Runoff (Chapter 9) and Tile scheme (Chapter 13)

CONFERENCE PRESENTATIONS

O. Oral presentations:

[O6]	2025.07	***AOGS Annual meeting***	Singapore
[O5]	2024.09	***JSHWR-JAHS-2024 conference***	Tokyo, Japan
[O4]	2024.07	***GEWEX Conference***	Sapporo, Japan
[O3]	2022.12	***AGU Fall meeting***	Chicago, US
[O2]	2022.09	***JSHWR-JAHS-2022 conference***	Kyoto, Japan
[O1]	2022.05	***JpGU Annual meeting***	Chiba, Japan

P. Poster presentation:

[P3]	2025.05	***JpGU Annual meeting***	Chiba, Japan
[P2]	2024.12	***AGU Fall meeting***	Washington, D.C., US
[P1]	2021.12	***AGU Fall meeting***	New Orleans, US

GRANTS AND AWARDS

- Kurata Grant, The Hitachi Global Foundation, 2025.03-2026.03.
- Travel support for the 9th GEWEX Open Science Conference, 2024.07.
- Musha Shugyo travel grant for academic visit, School of Engineering, The University of Tokyo, 2023.03.
- Grant for Dispatch to International Research Meetings, Foundation for the Promotion of Industrial Science (FPIS), 2022.12.
- Best presentation in HSP2021, Hydrosphere Environmental Group of Civil Engineering Department of Graduate School of Engineering, The University of Tokyo, 2021.07.
- MEXT scholarship, Ministry of Education, Culture, Sports, Science and Technology of Japan, 2020.09 - 2023.09.

MEDIA REPORTS

- Finding Where the Grass is Greener. Press release, Institute of Industrial Science, The University of Tokyo, 2024.05.

INVITED TALKS

- Shuping Li: Resolving Hillslope Land Cover Heterogeneity Improves Simulation of Terrestrial Energy and Water Budgets, UKCEH-UTokyo Global Hydrology seminar series, Online, 2025.03
- Shuping Li: Soil moisture-vegetation correlation from 3239 in-situ soil moisture observations, The Undergraduate Forum of Global Water Issues, Dept. of Hydraulic Engineering, Tsinghua University, Online, 2022.01

ACADEMIC SERVICES

- Reviewer of *Environmental Research Letters*, *Journal of Advances in Modeling Earth Systems*, *Journal of Hydrology*, *Scientific Reports*, *etc.*

SKILLS

●	**Model**	MATSIRO (Land surface model)		CaMa-Flood (Hydrodynamic model)	
		CHESS (Eco-hydrological model)			
●	**Coding**	Python	R	Fortran	MATLAB
		C++	Shell script	Markdown	

- **Software** Microsoft Office ArcGIS Adobe Illustrator GIT Google Earth Engine
- **Equipment** PICARRO (Greenhouse gases analyzer) Dynamax sapflow system & weather station
- **Language** English (TOFEL 98) Japanese (JLPT N1) Mandarin/Cantonese (native)