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- 2006 년 3 월 – 2008 년 2 월   **고려대학교** 사회환경시스템공학과 공학석사 (수자원공학)
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주요경력

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- 2013 년 7 월 – 2017 년 3 월   **UNSW Sydney** 박사과정 (논문제출: 2017/3; 학위수여: 2017/11)
- 2008 년 1 월 – 2013 년 7 월   **현대건설** 대리 토목설계실 수자원/환경 설계담당

병역사항

- 2001 년 10 월 – 2004 년 9 월   **대한민국육군** (중위 만기전역)

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- 2021 년 12 월   **MSSANZ**   Early Career Research Excellence (ECRE) Award
- 2013 년 – 2021 년   **UNSW Sydney** Early Career Academic Seed Grants, Strategic Research Fund, Postgraduate Writing Fellowship, and Tuition fee, Stipend and Top-up Scholarship
- 2006 년 – 2007 년   **고려대학교** 조교장학금; **GS 건설** 장학금; **한국연구재단** BK21 2 단계 장학금

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2. <u>Kim S.</u>, Sharma A., Wasko C., Nathan R. (2022) Linking total precipitable water to precipitation extremes globally, *Earth's Future,* 10(2), e2021EF002473, **[8.852]**
3. Yoon H.N., Marshall L., Sharma A., <u>Kim S.</u> (2022) Bayesian model calibration using surrogate streamflow in ungauged catchments, *Water Resour. Res.,* 58, e2021WR031287, **[6.159]**
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5. <u>Kim S.</u>, Sharma, A., Liu, Y., Young, S. I. (2022) Rethinking Satellite Data Merging: From Averaging to SNR Optimization, *IEEE Trans. Geosci. Remote Sens.,* 60, 1-15, **[8.125]**
6. <u>Kim S.</u>, Dong J., Sharma A. (2021) A triple collocation-based comparison of three L-band soil moisture datasets, SMAP, SMOS-IC, and SMOS, over varied climates and land covers, *Front. Water.,* 3, 64, **[ESCI]**
7. Kim S., Mehrotra R., <u>Kim S.</u>, Sharma A. (2021) Assessing countermeasure effectiveness in controlling cyanobacterial exceedance in riverine systems using probabilistic forecasting alternatives, *J. Water Resour. Plan. Manag.,* 147(10), 04021062, **[3.457]**
8. Kim S., Mehrotra R., <u>Kim S.</u>, Sharma A. (2021) Probabilistic forecasting of Cyanobacterial concentration in riverine systems using environmental drivers, *J. Hydrol.,* 593, 125626, **[6.708]**

9. Zhang R., <u>Kim S.</u>, Sharma A., Lakshmi V. (2021). Identifying relative strengths of SMAP, SMOS-IC, and ASCAT to capture temporal variability using a model combination approach, *Remote Sens. Environ.*, 252, 112126, **[13.850]**

10. <u>Kim S.</u>, Anabalón A., Sharma A. (2021) An Assessment of Concurrency in Evapotranspiration Trends Across Multiple Global Datasets, *J. Hydrometeorol.*, 22(1), 231–244, **[4.871]**

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17. <u>Kim S.</u>, Eghdamirad S., Sharma A., Kim J. H. (2020). Quantification of uncertainty in projections of extreme daily precipitation, *Earth and Space Sci.*, 2020, e2019EA001052-T, **[3.680]**

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21. <u>Kim S.</u>, Jun H. D., Yoo D. G., Kim J. H. (2019). A framework for improving reliability of water distribution systems based on a segment-based minimum cut-set approach, *Water*, 11(7), 1524, **[3.530]**

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❖ <u>컨퍼런스</u>

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학술대회 (주발표자)

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2. <u>Kim S.</u>, Zhang R., Sharma A., Lakshmi V. Improvements of satellite observations through data merging: status and challenges, *AGU fall meeting 2020*, San Francisco, CA, USA

3. <u>Kim S.</u>, Pham H., Liu Y., Sharma A., Marshall L. Combining geophysical variables for maximizing temporal correlation without reference data, *MODSIM 2019*, Canberra, Australia

4. <u>Kim S.(초청)</u>, Guo Y., Wasko C., Sharma A. On soil moisture, rain and flood extremes in a warming climate – using satellite remote sensing to define future antecedent conditions, *KSCC 2018*, Jeju, Republic of Korea

5. <u>Kim S.</u>, Ajami H., Sharma A. Incorporating an operational satellite–derived leaf area index into a computationally efficient semi–distributed hydrologic modelling application (SMART), *MODSIM 2017*, Hobart, Australia

6. <u>Kim S.</u>, Liu Y., Johnson F., Sharma A. A temporal correlation–based approach for spatial disaggregation of remotely sensed soil moisture, *AGU fall meeting 2016*, San Francisco, CA, USA

7. <u>Kim S.</u>, Liu Y., Johnson F., Parinussa R., Sharma A. Reducing Structural Uncertainty in AMSR2 Soil Moisture Using a Model Combination Approach, *AGU fall meeting 2014*, San Francisco, CA, USA

8. <u>Kim S.</u>, Liu Y., Johnson F., Parinussa R., Sharma A. Improvement of Soil Moisture Dataset Combining AMSR2 Soil Moisture Products, *OzEWEX 2014*, Canberra, ACT, Australia

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학술활동

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참여프로젝트

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- 박사과정
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