CURRICULUM VITAE

Raied Alharbi, PhD

Assistant Professor of Hydrology and Water Resources, Civil Engineering Department, King Saudi University, KSA.

EDUCATION

Ph.D.,	Civil and Environmental Engineering (Hydrology and Water Resources)	University of California, Irvine, USA, 2019
M.Sc.,	Civil and Environmental Engineering (Water Resources Planning and Management Engineering)	Colorado State University, Fort Collins, Co, USA, 2015
B.S.,	Civil Engineering	King Saud University, Riyadh, Saudi Arabia, 2011

RESEARCH INTEREST

- Hydrology and Climatology
- Remote Sensing
- Hydrological Rainfall-Runoff Modeling
- Water Resources Planning and Management
- GIS-based modeling of watershed scale processes

PEER-REVIEWED JOURNAL PAPERS

Alharbi, R., Hsu, K., & Sorooshian, S. (2018). Bias adjustment of satellite-based precipitation estimation using artificial neural networks-cloud classification system over Saudi Arabia. Arabian Journal of Geosciences, 11(17), 1–17. https://doi.org/10.1007/s12517-018-3860-4.

Alharbi, R., Hsu, K. (2019). Bias Correction of Satellite-based Precipitation Estimation Using Limited Gauge Measurements over Saudi Arabia. Arabian Journal of Geosciences, Manuscript submitted for publication.

Alharbi, R., Hsu, K. (2019). Assessing the Efficacy of Bias Corrected Satellite-based Precipitation Estimation over Three Watersheds in Saudi Arabia. Arabian Journal of Geosciences, Manuscript in preparation.

CONFERENCE POSTER PRESENTATIONS

Alharbi, R., Hsu, K., & Sorooshian, S. (2019). Merging Satellite-Based Precipitation Estimates and Rain Gauge Measurements over Saudi Arabia. American Meteorological Society, 18th Annual Student Conference, Phoenix, Arizona.

Alharbi, R., Hsu, K., & Sorooshian, S. (2018). Precipitation Estimation over Saudi Arabia by Merging Satellite and Gauge Measurements. AGU Fall Meeting 2018, Washington D.C.

Alharbi, R., Hsu, K., Sorooshian, S., & Braithwaite, D. (2018). The Effectiveness of Using Limited Gauge Measurements for Bias Adjustment of Satellite-Based Precipitation Estimation over Saudi Arabia. American Meteorological Society, 17th Annual Student Conference, Austin, Texas.

Alharbi, R., Hsu, K., Braithwaite, D., & Sorooshian, S. (2017). Bias adjustment of satellite-based precipitation estimation using limited gauge measurements over Saudi Arabia. *Virtual Poster Showcase, 8* Retrieved from https://dialog.proquest.com/professional/docview/2002204198?accountid=14509

CONFERENCE ORAL PRESENTATIONS

Alharbi, R. (2018, January). The effectiveness of using Limited Gauge Measurements for Bias Adjustment of Satellite-based Precipitation Estimation over Saudi Arabia, NASA JPL scientists visited the Center for Hydrometeorology and Remote Sensing, Irvine, Ca.

Alharbi, R. (2017, May). Bias Adjustment of PERSIANN-CCS Precipitation Estimates over Saudi Arabia using Quantile Mapping and Inverse weighted Distance, the Center for Hydrometeorology and Remote Sensing, Irvine, Ca.

PROFESSIONAL EXPERIENCES

- Assistant Professor of Hydrology and Water Resources, Civil Engineering Department, King Saudi University, KSA. — April 2019 – Now
- Reviewer, Peer-Reviewed Journals *Arabian Journal of Geosciences* — 2018 – 2019
- Lecturer, Dept. Civil and Environmental Engineering, King Saud University — Sept 2016– Sept. 2015
- Teaching Assistant, Dept. Civil and Environmental Engineering, King Saud University — June 2011 – Sept. 2019
- King Abdullah Financial District — Sept. 2010 – Nov. 2010

PROFESSIONAL AFFILIATIONS

- American Geophysical Union (AGU) — 2015 – Now
- American Meteorological Society (AMS) — 2015 – Now
- Saudi Engineer Council — 2011- Now