


CURRICULUM VITAE – NISCHAL KARKI

CONTACT	<p>Nischal Karki Kathmandu, Nepal  ☎ +977-9826805346 ✉ nischalkarki880@gmail.com 🌐 niskarki.github.io 🐦 @nischalKarkeee 📺 @NisKarki</p>	
EDUCATION	<p>Msc. Water Resources Engineering <i>Institute of Engineering, Pulchowk Campus</i> <i>Tribhuvan University, Nepal</i> Thesis : Comparative Performance of Regionalization Methods for Model Parameterization in Ungauged Himalayan Basins</p> <p>BTech. in Environmental Engineering <i>School of Science, Kathmandu University</i> <i>Dhulikhel, Nepal</i></p>	<p>April 2020 - September 2022</p> <p>October 2014 - October 2018</p>
SKILLS	<p>Programming Languages : R, Python, JavaScript, Fortran Spatial Analysis : QGIS, ArcGIS, GDAL, Whitebox, Google Earth Engine Models : GR4J, SPHY, SWAT, PCRaster, HEC-HMS, HEC-RAS Document Processing : L^AT_EX, Rmarkdown, Quarto, Microsoft Word Languages : English, Nepali</p>	
PROFESSIONAL EXPERIENCE	<p>Researcher <i>Centre for Disaster Studies (CDS)</i> <i>Institute of Engineering, Pulchowk Campus</i> Projects Involved :<ul style="list-style-type: none">• Tomorrow's Cities : Hydrologic and Hydaulic Modeling of Flood Hazard in Rapti River Basin• River Course Shifting and Flood Hazard Mapping using satellite remote sensing in flood-prone rivers of Southern Nepal</p> <p>Research Intern <i>Water Resources Research and Development Centre (WRRDC)</i> <i>Ministry of Water Resources, Energy and Irrigation</i> <i>Government of Nepal</i></p>	<p>October 2022 - Present</p> <p>January 2022 - September 2022</p>
PEER-REVIEWED PUBLICATIONS	<p>Karki, N., Shakya, N. M., Pandey, V. P., Devkota, L. P., Pradhan, A. M. S., & Lamichhane, S. (2023). Comparative performance of regionalization methods for model parameterization in ungauged Himalayan watersheds. <i>Journal of Hydrology : Regional Studies</i>, 47, 101359.</p>	
CONFERENCE PRESENTATIONS	<p>Karki, N., Shakya, N. M., & Tamrakar, J. (2022, December). Comparative Performance of Regionalization Methods for Model Parameterization in Ungauged Himalayan Basins. <i>AGU Fall Meeting 2022</i>.</p> <p>Karki, N., Shakya, N. M., & Pradhan, A. M. S. (2022, October). A Proxy Basin Approach for Hydrological Modelling in Ungauged Snow-fed Basin of Nepal. <i>Proceedings of 12th IOE Graduate Conference, Vol. 12</i>.</p> <p>Luitel, B., Karki, N., Kafle, H. (2019, October). Agricultural Drought Monitoring in Nepal and India using remotely sensed data. <i>4th International Conference - Mountains in the changing world (MoChWo)</i>.</p>	
WORKSHOPS & TRAINING	<p>Teaching Assistant Climatematch Academy : Computational Tools for Climate Science, July 17-28, 2023.</p> <p>Participant Training on AquaCrop for Crop Water Requirement and Crop Yield Modeling, jointly</p>	

organized by Water Resources Research and Development Centre (WRRDC), International Water Management Institute (IWMI) and Centre for Disaster Studies (CDS), January 18-23, 2023.

Participant Training on Hydrological Modeling Using Soil and Water Assessment Tool (SWAT), jointly organized by Water Resources Research and Development Centre (WRRDC) and Centre for Disaster Studies (CDS), December 19-23, 2022.

Participant Training on Hydrological Modeling Using Soil and Water Assessment Tool (SWAT), jointly organized by Water Resources Research and Development Centre (WRRDC) and Centre for Disaster Studies (CDS), December 19-23, 2022.

Participant Training on Flood Hazard Mapping using HEC-RAS 2D, jointly organized by Water Resources Research and Development Centre (WRRDC) and Centre for Disaster Studies (CDS), December 11-15, 2022.

Participant Geographical Information Science and Earth Observations, ERASMUS+ Workshop, jointly organized by Kathmandu University, Nepal and Interfaculty Department of Geoinformatics, University of Salzburg, Austria, June 5-10, 2018.