



## Devendra Man Amatya, PE

**Devendra Man Amatya, PE, ASABE Fellow**, is the recipient of the 2022 G.B. Gunlogson Countryside Engineering award for his significant contributions to advancing understanding and quantifying forest hydrology and impacts of design and management practices to ensure sustainability.

Amatya is a research hydrologist and hydrology program manager at the USDA Forest Service in Cordesville, South Carolina. Amatya is responsible for conducting long-term ecohydrologic research using monitoring and modeling approaches on forested wetland dominated watersheds. His research involves developing a fundamental understanding of ecohydrologic processes and interactions and testing new methods and approaches for evaluating the effects of climate, anthropogenic, and natural disturbances on wetland forest ecosystems. He has employed innovative watershed monitoring, modeling, and various assessment tools and has initiated and broadened collaborations for advancing forest hydrological science and modeling applications related to intensively managed loblolly pine forests, longleaf pine restoration, extreme precipitation impacts on flooding and forest road/drainage structures, and wildfire assessment for southern forest sustainability and resilience, working towards a process-based understanding of ecosystem services.

Amatya's professional accomplishments include important contributions in advancing the understanding of the hydrology of wetland forests and the impacts of the management activities to

ensure sustainability using and developing both the monitoring and modeling tools and approaches. He has led or co-led multiple research grant proposals funded by federal and state entities, private industries, as well as universities and also served as a research advisor for multiple PhD and MS students from various universities.

A 29-year member of ASABE, Amatya has been a member and technical communities, including serving in several leadership positions of the Natural Resources and Environmental Systems Hydrology Group and the NRES Drainage Group. He served as an editor and now serves on the editorial board for the *Journal of South Carolina Water Resources*. He served as co-editor of the *Acta Scientiarum Polonorum, Formatio Circumcictus* and was also the lead editor for *Forest Hydrology: Processes, Management and Assessment*.

Amatya has authored or coauthored more than 200 peer-reviewed journal articles, conference proceeding papers, and other publications. In 2007, Amatya was inducted as a fellow in the American Society of Nepalese Engineers. He has been recognized for commitment and leadership as a planning committee member for the South Carolina Water Resources Conference. In 2018, Amatya was inducted as an ASABE Fellow.

