



Vijay P. Singh

Vijay P. Singh, PE, is the 2017 recipient of the ADS/Hancor Soil and Water Engineering award for pioneering contributions to soil and water engineering, specifically in modeling watersheds, infiltration, and evapotranspiration, as well as drought hydrology and surface irrigation.

Singh is a distinguished professor, regents professor, and Carline and William N. Lehrer Distinguished Chair in water engineering at Texas A&M University, in College Station, Texas. There he teaches undergraduate and graduate courses, and conducts research on environmental and water engineering and climate change.

For over three decades, Singh has been contributing to international research in the area of soil and water engineering and to the promotion of international cooperation in this area through a variety of activities. Singh has made original contributions in watershed modeling, infiltration modeling, evapotranspiration modeling, drought hydrology, surface irrigation, soil erosion, climate change impacts, kinematic wave modeling, entropy theory-based modeling, copula-based multivariate stochastic modeling, hydraulic geometry, non-point source water quality modeling, saltwater intrusion, and risk and reliability analysis. Singh has pioneered application of entropy theory in soil and water engineering and he developed a copula-entropy theory for multivariate stochastic analysis of floods and droughts. This theory has been extended to the development of a drought atlas for Texas, which is valuable to farmers, ranchers, water

supply managers, and industry.

A 10 year member of ASABE, Singh also maintains 18 additional professional memberships, including with the American Society of Civil Engineers and the American Water Resources Association.

Beyond his exceptional contributions to the field of irrigation engineering, he has served as editor-in-chief of the *Water and Science Series* for Springer for nearly 25 years. He is currently the editor-in-chief of the *Journal of Ground Water Research*, *Open Agriculture*, *Journal of Agricultural Research*, and the *Global Water Resources* book series. He is also a member of 38 journal editorial boards on water, irrigation, and the environment.

Singh is author or coauthor of more than 1,400 journal articles, book chapters, conference proceeding papers, and other publications. He has also authored or coauthored 25 books and edited 60 books the most recent is the *Handbook of Applied Hydrology*, McGraw-Hill, 2017. Singh has been granted three honorary doctorates, is a fellow of ten professional societies. In addition to his impressive research career, Singh has been awarded countless honors. Most recently, he was granted the Jiangsu Provincial Friendship award, the Distinguished Scientist Award under President's International Fellowship Initiative from the Chinese Academy of Science, the Sigma Xi Outstanding Distinguished Scientist award, and Ven Te Chow award from the International Water Resources Association.