



*Sumant Nigam is Professor and Chair of the Department of Atmospheric and Oceanic Science at the University of Maryland, and a Professor in the Earth System Science Interdisciplinary Center. His research interests include climate dynamics, atmospheric general circulation and climate teleconnections, ocean-atmosphere interaction in tropical and subpolar basins, Asian and American monsoons, regional hydroclimate variability and change including droughts and desertification, and transboundary water issues in the South/Southeast Asian river basins. A current focus is unraveling the natural variability and secular change components of the climate record to advance understanding of the steep warming of the Northern Continents, the loss of Arctic sea ice, and the warming of West Antarctica. Investigating Atlantic Multidecadal Oscillation's evolution and hydroclimate impacts is an ongoing activity. Sumant's lab issues, each spring, seasonal forecasts of ENSO and the South Asian summer monsoon, with the latter informing India's official monsoon forecast.*

*Sumant chaired the Climate Variations and Change Committee of the American Meteorological Society (AMS) and the Advisory Panel for NCAR's Climate and Global Dynamics Laboratory until 2018. He led the drafting of the AMS Information Statement on Climate Change. He has served on the advisory committee of NCAR and the NSF-Geosciences directorate. Sumant was a member of the Climate Research Committee and the Board of Atmospheric Sciences and Climate of the US National Academies from 2008-2012. He previously served as Co-Chair of the Climate Variability working group of NCAR's Community Climate System Model; Editor of the Journal of Climate; and as Director of the Large-scale Dynamic Meteorology program at the US National Science Foundation. Sumant is a Fellow of the American Meteorological Society and the Royal Meteorological Society. Sumant was a Jefferson Science Fellow of the National Academy of Sciences and a Senior Science Advisor to the US State Department during 2016-17, and a 2020 Fulbright-Nehru Fellow.*

*Sumant teaches graduate courses on atmospheric and oceanic dynamics and climate; he has advised 18 Ph.Ds. and a dozen M.S. students. He got his M.Sc. degree in Physics from the 5-year integrated science and engineering program at the Indian Institute of Technology Kanpur in 1978, supported by the National Science Talent Scholarship; he received his alma mater's Distinguished Alumnus Award in 2013. Sumant received his Ph.D. in Geophysical Fluid Dynamics from Princeton University in 1984 and postdoctoral training at the Massachusetts Institute of Technology. Sumant was featured on the cover of SCIENCE in May 2004 in connection with a report on foreign-born US scientists, titled "Brains & Borders: Many Origins, One Destination."*