

Sigma Xi: The Scientific Society University of North Carolina-Asheville Chapter  
Intercollegiate Presentation Series

**Dr. David Gillette, UNC Asheville**

**“Assessing the Impacts of Climate Change on Fishes of Nepal’s  
Kaligandaki-Narayani River: Some Initial Results”**

November 17, 2016 Warren Wilson College

**Dinner 6:00pm, Dining Hall, Warren Wilson College**

**Program 7:00pm, Room 210 in Morse Building, Warren Wilson College**



Climate change is one of the most pervasive stressors affecting ecosystems globally. However, its impact on river and stream ecosystems, especially those in under-studied areas of the world, is not well understood. I had the opportunity to travel to Nepal in 2015 and 2016 to study effects of climate change on the Kaligandaki River in Central Nepal. I am using historical data on fish species distributions, as well as data collected from in-stream temperature dataloggers, to examine changes in fish community structure from the 1980's to the present, and evaluate the extent to which differences may be attributable to climate change. I will be presenting preliminary results of this ongoing research.