Ms. Baskaran is a researcher in the Environmental Sciences Division at the Oak Ridge National Laboratory. Her primary research interests include environmental modeling, Geographic Information Systems (GIS) and environmental sustainability. Her current work is focused on analyzing sustainability of bioenergy systems using water quality and aquatic biodiversity indicators with the help of hydrologic models such as the Soil and Water Assessment Tool (SWAT). Ms. Baskaran has advanced knowledge of SWAT and has applied the model to various projects covering different spatial scales. Her prior work includes applications related to environmental indicators, hydrologic modeling, habitat modeling, and land-use and land-cover change. Ms. Baskaran received a BE in GeoInformatics from the College of Engineering, Anna University, India in 2001 and an MS in Geography from the Pennsylvania State University in 2003. She has presented her research at a number of professional conferences and forums, and has also published in peer-reviewed journals.