

A brief biography of

## **Subhrendu K. Pattanayak**

Subhrendu K. Pattanayak is a senior economist in RTI's Environmental and Natural Resource Economics Program. He builds microeconomic models to analyze the policy causes and consequences of interactions between human behavior and environmental services. Examples of Dr. Pattanayak's research include household production with environmental inputs, joint production of timber and forest amenities, recreation and aesthetic uses of water quality, adoption of agroforestry technology, household demand for water and sanitation services, and market impacts of regulating air pollution. Most of this research has relied on integrating and analyzing household survey (microeconomic) data with meso-scale environmental and social statistics collected in developing countries to evaluate public policies. Dr. Pattanayak has designed and managed multi-site multi-topic household surveys, including contingent valuation modules, in urban and rural areas of India, Indonesia, Mexico, and Nepal. He has applied revealed and stated preference methods to estimate the benefits and costs of policies designed to protect water and air quality, preserve biodiversity, conserve forests, generate income, and reduce HIV. Dr. Pattanayak has developed bioeconomic models of watershed conservation to characterize and value ecosystem services. He has managed several research projects funded by U.S. Environmental Protection Agency (EPA), U.S. Department of Agriculture (USDA) Forest Service, World Bank, Health Canada, and National Science Foundation, among others. He has published his research in peer-reviewed journals including *Agricultural Economics*, *Agroforestry Systems*, *Economics Letters*, *Environment and Development Economics*, *Environmental and Resource Economics*, *Forest Science*, *Journal of Environmental Management*, *Journal of Forestry*, *Journal of Sustainable Forestry*, *Land Economics*, *Water Policy*, *Water Resources Research* and *Vaccine*. He is a member of the American Economic Association and the Association of Environmental and Resource Economists. Dr. Pattanayak is a Visiting Associate Professor at North Carolina State University and Duke University where he teaches forest economics.