

Dr. Madhumi Mitra and her husband, **Dr. Abhijit Nagchaudhuri**, have completed work editing a new textbook, “Practices and Perspectives in Sustainable Bioenergy; A Systems Thinking Approach.”

The couple called on several UMES colleagues as well as faculty members from such institutions as Cornell, Rutgers and West Virginia University who specialize in the fields of bioenergy, bio-products and sustainability to contribute to the project that took four years to complete.

The 283-page book, according to Mitra, presents “a systems approach to bioenergy and provides a means to capture the complexity of bioenergy issues, including both direct and indirect impacts across the energy economy.”

It addresses such timely topics as “systems thinking;” sustainability, biomass; feedstocks of importance and relevance; anaerobic digestion and biogas; biopower and bioheat; as well as policies, the economy and rights to access to clean energy.

Mitra is a professor of biological and environmental sciences; Nagchaudhuri is a professor of engineering.

