

CHAPTER 15

ENVIRONMENTAL STUDIES

Doctoral Theses

132. AMIT LOVE
Ecotoxicological Studies on Some Metals and Metalloids in Natural Populations of Cassia Occidentalis Inhabiting Fly Ash Basin and Its Significance in Ecological Risk Assessment.
Supervisors : Prof. C. R. Babu and Prof. B. D. Banerjee
Th 15810

Abstract

Assess the behavior of selective metals and their bioavailable fractions in the soil-and fly ash based systems. Evaluates the toxicity of selective metal elements in natural populations of Cassia Occidentalis inhabiting the soil and fly ash based systems selected; and identifies abiotic and biotic markers useful in ecological risk assessment and environmental monitoring of metal contaminated landscapes.

Contents

1. Introduction. 2. Materials and methods. 3. Observations. 4. Discussion. 5. Summary and conclusion. Bibliography.

133. SURESH BABU
Ecological Studies on Plant Communities at Different Spatial Scales in the Great Nicobar Biosphere Reserve and Patterns of Natural Resource Utilization by Humans and Their Implications on the Ecosystem Functioning.
Supervisors : Prof. C. R. Babu and Prof. Kanchan Chopra
Th 15787

Abstract

It assess the habitat gradients at different spatial scales and their role in regulating diversity patterns of diversity at different spatial scales. It also investigate the patterns in plant-frugivore mutualisms and their role in maintenance of

diversity and the patterns of natural resource utilization by humans and their impacts on ecosystem functioning.

Contents

1. Introduction. 2. Materials and methods. 3. Patterns of natural resources use by humans and their implications on ecosystem functioning.