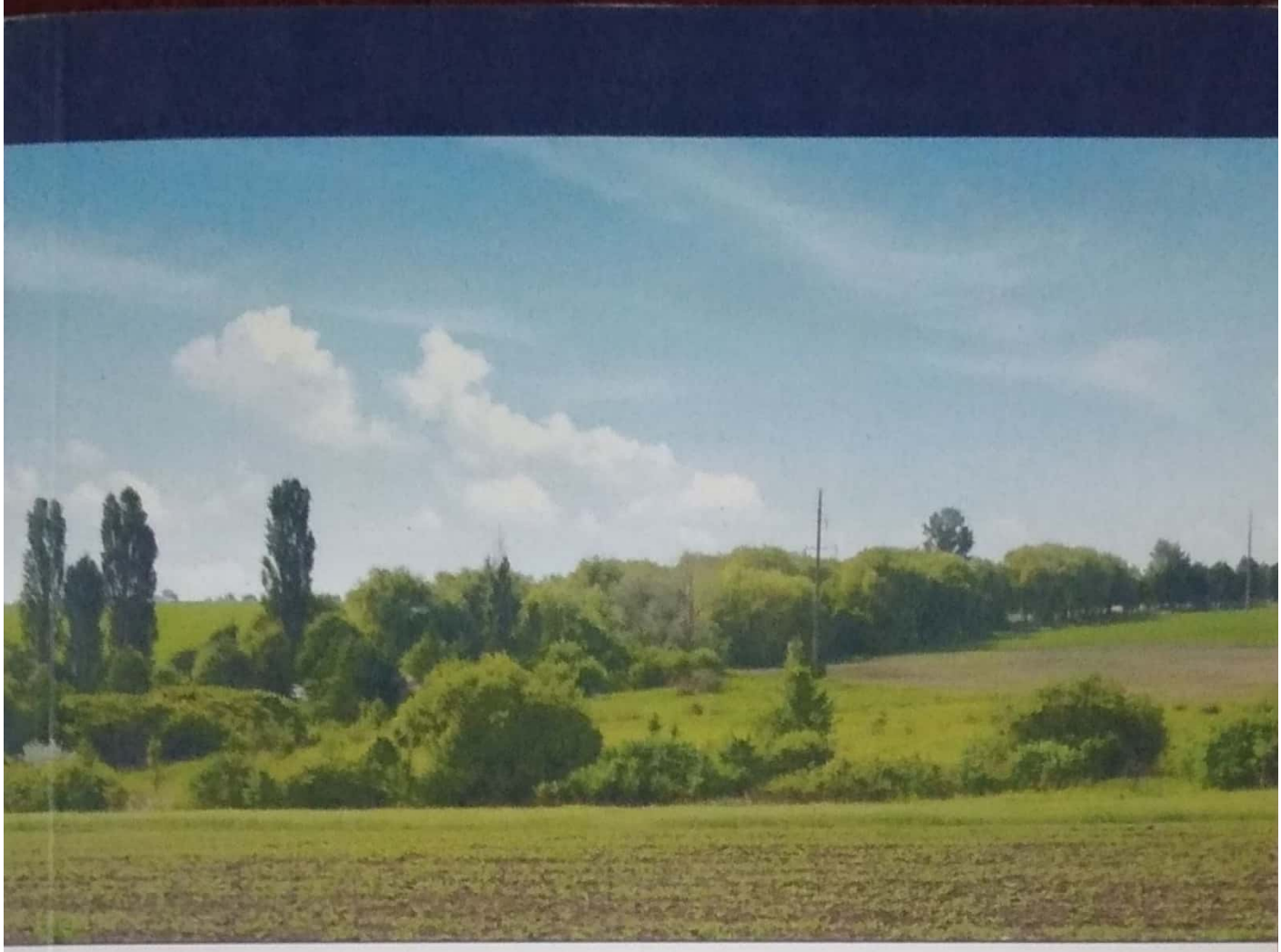

Vijay Mangle

Genesis and composition of humus in Melghat Tiger Reserve

Physico Chemical Characterization of Humus

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The present study has also shown that the litter decomposition is mainly due to soil micro and macro organisms present on the forest floor. These macro organisms need to be conserved to save our forest- at Plateau, Plains and Valleys- as they are the main components for formation of healthy humus.Thus the humic substances represent the main carbon reservoir in the biosphere. Due to their crucial role in reductive and oxidative reactions, adsorption, complexion and transport of pollutants, minerals and trace elements, sustaining plant growth, soil structure and formation, and control of the biogeochemistry of organic carbon in the ecosystem, humic substances are extremely important to environmental processes.The present study of "Genesis and Composition of Humus and its Impact on Biodiversity of Melghat Tiger Reserve" was carried out during May 2007 to December 2008, at selected Plateau, Plane and Valley sites and opportunistic study of Forest Fires.

Dr. Vijay S. Mangle, M.E.M, D.I.S, Ph. D., working as Associate Professor at the Department of Environmental Science, Arts, Science and Commerce College, Chikhaldara, M.S.India.

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