APPLICATION OF INFORMATION TECHNOLOGY IN AGRO FORESTRY

RAJESH KUMAR MISHRA*, NASEER MOHAMMAD AND N. ROYCHOUDHURY
Tropical Forest Research Institute
PO - RFRC, Jabalpur – 482021, Madhya Pradesh, India
Corresponding author: mishrark@icfre.org

ABSTRACT: This review highlights the relevance of information technology (IT) in Agro-forestry. Existing areas of applications such as forest and environmental management, species identification and research publications are identified. The paper also looked into future possible usage of information technology and concludes that while the application of information technology to Agro forestry practices nowadays is of tremendous importance. It is important to know that there are still more areas where information technology would be applicable in Agro forestry which are yet to be discovered. The extent to which IT applications have improved agro-forestry practices in recent times cannot be over emphasized. Area of application includes: Forestry and environmental management, species identification, research publication, ICT in agro forestry education, plant pathology studies, wood anatomy, biometrics, data management, modeling, analysis and mining. The list is infinite; however some of these applications are discussed in the present paper.

Keywords: *ICTs, agroforestry, environmental management, GIS, remote sensing, impact management practices.*