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rare unique and irreplaceable precious native rainforests occupy a precariously small part of australia while retaining a remarkable level of both biological and chemical diversity unrivalled by any other ecosystem australia s ancient history and traditions are intimately intertwined with the rainforest plants that humans have utilised as both food and medicine phytochemistry of australia s tropical rainforest is a record of this history and details how our understanding of these plants has led to the discovery of anaesthetics analgesics

steroids antimalarials and more it provides an insight into the habitat ecology and family associations of hundreds of species and explores their future therapeutic potential alongside phytochemical studies of the ancient plant lineages toxicological evaluations of important poisonous plants are also included rainforests provide shelter for unique flora and fauna that are counted among the rarest species on earth many of which are illustrated in this book this comprehensive work is an essential reference for phytochemists ethnobotanists and those with an interest in rainforests and their medicinal and botanical potential

this book focusses on iii v high electron mobility transistors hemts including basic physics material used fabrications details modeling simulation and other important aspects it initiates by describing principle of operation material systems and material technologies followed by description of the structure i v characteristics modeling of dc and rf parameters of algan gan hemts the book also provides information about source drain engineering gate engineering and channel engineering techniques used to improve the dc rf and breakdown performance of hemts finally the book also highlights the importance of metal oxide semiconductor high electron mobility transistors mos hemt key features combines iii as p n hemts with reliability and current status in single volume includes ac dc modelling and sub millimeter wave devices with reliability analysis covers all theoretical and experimental aspects of hemts discusses algan gan transistors presents dc rf and breakdown characteristics of hemts on various material systems using graphs and plots

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