JNU, NEW DELHI HAS UPLOADED THE JOURNAL IN UGC CARE. (RTI)

Page 11 | http://www.epitomejournals.com Vol. 8, Issue 12, December 2022, ISSN: 2395-6968



Epitome: International Journal of Multidisciplinary Research

ISSN: 2395-6968



Utilisation of Pine needles (Pinus roxburghii) to reduce the forest fire in Nowshera Forest Division, J& K



Neelima Shah, IFS Divisional Forest officer Nowshera Forest Division J&K Forest Department Email: shahneelima29@gmail.com rajivfri@gmail.com



Rajiv Dhiman, IFS Conservator of Forests Shiwalik Circle.Dehradun Uttarakhand Forest Department



Rakesh Verma Range Forest Officer Sunderbani Forest Range J&K Forest Department rakeshforests@gmail.com

ABSTRACT

In Jammu & Kashmir, subtropical Pine forest accounts for 16.40% of the total forest cover and are predominately distributed over the Shivalik range of Himalayas. During the Summer, shedding of dry needles forms a thick mat on ground which not only affects the growth of regeneration but due to slow rate of decomposition, it acts as combustible material during peak summer season. Pine needles have considerable amount of resin content which enhance fast combustion of

dry litter during summer making the forests vulnerable to fire. In order to utilize these chir needles and to reduce the forest fire, its sustainable management with new interventions in utilisation of these chir needles were explored in the Forest Division, District Nowshera Rajouri, J&K.

KEY WORDS

Jammu & Kashmir, Forest fire, Chir needles, Nowshera Forest Division, Control burning, livelihood options