
THESES OF THE MONTH

SCIENCE & TECHNOLOGY

A List of doctoral theses accepted by Indian Universities (Notifications received in AIU during the month of Aug.-Sep., 2017)

AGRICULTURAL & VETERINARY SCIENCES

Forestry

1. Bhardwaj, Arvind. **Study on dynamics of plant bioresources in Chail Wildlife Sanctuary of Himachal Pradesh.** (Dr. R K Verma and Dr. J C Rana), Department of Forest Ecology and Environment, Forest Research Institute, Dehradun.

2. Gupta, Ankita. **Variations in wood anatomy of hardwood species collected from the coal mines of Jharkhand.** (Dr. Sangeeta Gupta), Department of Forest Botany, Forest Research Institute, Dehradun.

3. Jai Kumar. **Assessment of morphological, biochemical and molecular variability in Kalmegh (*Andrographis paniculata* wall Ex Ness) germplasm.** (Dr. Animesh Sinha and Dr. Niraj Kumar and Dr. Anita Pande), Department of Forest Genetics, Forest Research Institute, Dehradun.

4. Kaushik, Prasoon Kumar. **Synthesis and characterization of some new odorant schiff bases for fragrance composition.** (Dr. V K Varshney), Department of Chemistry of Forest Products, Forest Research Institute, Dehradun.

5. Lakhera, Ajeet Kumar. **Chemical characterization of *Acacia tortilis* gum exudates and its comparison with other important acacia gums.** (Dr. Vineet Kumar), Department of Chemistry of Forest Products, Forest Research Institute, Dehradun.

6. Manpreet Kaur. **Phytoremediation studies on some plants species in industrial area of Bhagwanpur (Uttarakhand) with reference to morphometric and biochemical traits.** (Dr. Meena Bakshi and Prof. Renu Bhardwaj), Department of Forest Botany, Forest Research Institute, Dehradun.

7. Monga, Sourabh. **Study on fiber morphology of pulps from eucalyptus and bagasse and its influence on paper properties.** (Dr. Sanjay Naithani, Dr. Sanjay Tyagi and Dr. B P Thapliyal), Department of Pulp and Paper Technology, Forest Research Institute, Dehradun.

8. Nagar, Shipra. **Isolation and structural investigation of polysaccharide from *Tinospora sinensis*.** (Dr. Y C Tripathi and Dr. Vineet Kumar), Department of Chemistry of Forest Products, Forest Research Institute, Dehradun.

9. Naudiyal, Meenakshi. **Structural studies of *Hippophae salicifolia* polysaccharide.** (Dr. Vineet Kumar), Department of Chemistry of Forest Products, Forest Research Institute, Dehradun.

10. Pradeep Kumar. **Chemical investigation of vitex negundo polysaccharides.** (Dr. Vineet Kumar), Department of Chemistry of Forest Products, Forest Research Institute, Dehradun.

11. Ranjan, Manish. **Developmental work on cement bonded particle board using Lantana, bamboo and their**

combinations. (Dr. D P Khali), Department of Wood Science and Technology, Forest Research Institute, Dehradun.

12. Rawat, Jaiyati. **Assessing vulnerability of mountain ecosystems under changing climate scenario and developing adaptive strategies in Nanda Devi Biosphere Reserve (NDBR), Uttarakhand.** (Dr. Laxmi Rawat), Department of Environment Management, Forest Research Institute, Dehradun.

13. Sharma, Abhilasha. **Studies on black liquor treatment aimed at marginal capacity expansion of chemical recovery system in an agro based paper mill.** (Dr. R K Jain and Dr. A K Dixit), Department of Pulp and Paper Technology, Forest Research Institute, Dehradun.

14. Shaw, Arti. **Assessing vulnerability of tropical forests to climate change and possible mitigation strategies in Marwahi, Central India.** (Dr. Omprakash M D), Department of Environment Management, Forest Research Institute, Dehradun.

15. Singh, Deep Naryana. **Developing monitoring system for deforestation and forest degradation in tropical forests of Northern Chattisgarh.** (Dr. Omprakash M D), Department of Forest Ecology and Environment, Forest Research Institute, Dehradun.

16. Singh, Joyeeta. **Impact of mound building termites on vegetations patterns, soil carbon storage, methane and carbon dioxide emission in forest ecosystems of Doon Valley, India.** (Dr. V Jeeva and Dr. Sudhir Singh), Department of Forest Ecology and Environment, Forest Research Institute, Dehradun.

17. Sumi, Akhato. **Utilization of extractives from needles of *Pinus roxburghii* sarg for bamboo preservation.** (Dr. Sadhna Tripathi and Dr. N S K Harsh), Department of Wood Science and Technology, Forest Research Institute, Dehradun.

18. Verma, Amit Kumar. **Modelling fire hazard in Pine zone of Uttarakhand.** (Dr. N S Bisht, Raman Nautiyal and Dr. S D Sharma), Department of Forest Extension, Forest Research Institute, Dehradun.

19. Vishnuprasad, V. **Analysis of variations in wood anatomy of hardwood tree species growing in and around some iron ore mines of Odisha.** (Dr. Sangeeta Gupta), Department of Forest Botany, Forest Research Institute, Dehradun.

BIOLOGICAL SCIENCES

Botany

1. Savita Rani. **Antibacterial and antifungal activity of in vitro and in vivo raised plants of *calotropis procera* and *calotropis gigantea*.** (Dr. Neelu Sood and Dr. Gajendra Singh), Department of Botany, Kurukshetra University, Kurukshetra.

Life Science

1. Bora, Seemashri. **Studies on habitat ecology and fisheries of moridikhow in Sivasagar District, Assam.** (Prof.