

Current Research Projects

BASCUNAN ALDUNATE, Arturo	PhD
Breeding the right trees for future markets	
BEST, Trevor	PhD
The construction of stress by the machine operators in the forest industry of Aotearoa NZ	
BOCZNIEWICZ, Daniel	PhD
Modelling stem properties for <i>Eucalyptus</i> in New Zealand's dryland environments	
DASH, Jonathan	PhD
The detection and monitoring of invasive exotic conifers using remote sensing	
FERRERAS MORENO, Manuel	PhD
Towards a detailed atomistic model to map microscopic and macroscopic properties of cellulose	
FOSTER, Josh	MForSc
Using the Landsat catalogue to assess forty years of change in native woody vegetation on five sheep and beef farming regions of New Zealand	
HARVEY, Campbell	PhD (Forest Engineering)
Characterisation of New Zealand steep-land harvesting residues including the development of a decision support system for improved utilisation and management of residues	
HIGUERA CATALAN, Cristian	PhD
Stand and tree level hybrid models for <i>Pinus radiata</i> , <i>Eucalyptus globulus</i> and <i>Eucalyptus nitens</i> in Chile	
HIRO, Carlos	MForSc
Tree diversity, composition and stand structure across post-logged lowland tropical forests on Santa Isabel, Solomon Islands	
IYIOLA, Ebenezer	PhD
Wood quality of durable <i>Eucalypts</i>	
KIM, Seoljong	PhD
A population-genomic and taxonomic study of <i>Eucalyptus argophloia</i> and <i>E. bosistoana</i>	
LOO, Adrian	MForSc
Rural land owners afforestation choices – Canterbury region	
MAGALHAES CORDEIRA TEXEIRA, Ana	PhD
Fire ecology in non-fire prone vegetation in New Zealand: implications for restoration and conservation	
MANN, Leslie	PhD
Understanding paropsine defoliation variation within <i>Eucalyptus</i> species	
MEIFORTH, Jane	PhD
Kauri Dieback Disease: developing a monitoring method based on remote sensing	
RAJAKAKSHA SHILPAGE, Chamira	PhD
Secondary metabolites in <i>Eucalyptus bosistoana</i>	
WEKESA, Anne	PhD
The estimation of modelling of carbon stocks from harvested wood products in New Zealand	

YARUR THYS, Paula MForSc
Carbon sequestration rates of native restoration plantings, southern Port Hills and Quail Island, Canterbury

YE, Ning PhD
Assessing possum damage to native forests in New Zealand with remote sensing techniques

Recently Completed Research:

2020:

BENSON, Andrew PhD
The effects of root pruning on the growth, physiology and monetary value of *Quercus virginiana* and two species of *Acer*

LESLIE, Cameron MForSc
Productivity and utilisation of Winch-Assist harvesting systems: case studies in New Zealand and Canada

PHIRI, Darius PhD
Monitoring forest dynamics in Zambia using a remote sensing approach

SCHORI, Jennifer PhD (BIOL)
Improving the success of insect conservation translocations: a case study of the Nationally Endangered robust grasshopper (*Brachaspis robustus* Bigelow)

WHITELEY, Yannina MForSc
Spatially-explicit empirical models for tree top faults and single-tree wind-throws in a *Pinus radiata* plantation in New Zealand

2019:

DAVIES, Nick PhD
High throughput breeding for wood quality improvement

DONG, Viet Anh PhD
Understanding the factors influencing non-industrial private forest owners' decisions in planting and harvesting trees: a case study in Thai Nguyen province, Vietnam

DONG, Ruifang PGDipFor

FONG, Stephanie MForSc
Effective management of New Zealand urban forests: governance and legislation

FRAMPTON, Michael PhD (ECE)
Acoustic studies for the non-destructive testing of wood

GUO, Fei PhD
Molecular deformations of wood and cellulose studied by spectroscopy

GUO, Tingdong PhD
The effect of residential property redevelopment on urban forest dynamics in Christchurch, New Zealand

KARSIDI, Ahmad MForSc
Review of FSC Certification Impacts: experience of natural forest concessionaires within IDH and TBI support in Indonesia

MISHRA, Gayatri PhD

Hartwood formation and the chemical basis of natural durability in *Eucalyptus bosistoana*

NGUYEN, Viet Xuan PhD
Modeling present and future aboveground biomass of eevergreen broadleaf forests in Vietnam

SALEKIN, Serajis PhD
Hybrid growth models for *Eucalyptus globoidea* and *E. bosistoana*: explaining within and between site variability

TULOD, Adrian PhD
Restoration of canopy tree species in degraded eastern South Island ecosystems

ISNAINI, Hikmah MForSc
Growth and yield modelling for unthinned *Acacia mangium*, *Acacia crassicarpa* and *Eucalyptus pellita* in plantations in Indonesia

KC, Mohan MForSc
Influence of stocking, clone, fertilization and weed control on above-ground biomass and soil CO₂ efflux in a *Pinus radiata* D. Don silvicultural trial, Canterbury, New Zealand

LE, Thai Son MForSc
A stratified GIS-based model to identify optimal locations for establishing new permanent sample plots for *Eucalyptus bosistoana* and *Eucalyptus globoidea* in New Zealand

ZHAO, Haotian MGIS
Monitoring land cover change with LiDAR and aerial imagery in Christchurch, New Zealand

MISHRA, Gayatri PhD
Heartwood formation and the chemical basis of natural durability in *Eucalyptus bosistoana*

WANG, Di (Winnie) MForSc
MForSc Report: The forecast of China's demand for sawnwood, wood-based panels and paper products

WILLIAM, Heidi MForSc
MForSc Report: A case study on mosaic restoration planting in Sabah, Malaysia