

## IUFRO online Directory of Experts: Fields of expertise

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The number between brackets refers to the number of experts in each field.

abiotic diseases (1)  
adaptation mechanisms (1)  
adventitious rooting (1)  
afforestation (2)  
agroforestry (8)  
agrohomoeopathy (1)  
agronomy (1)  
air chemistry (1)  
air pollution (1)  
air pollution effects on forests (6)  
allelopathy (1)  
analysis of structure and dynamics of natural forests (1)  
anthropometry (1)  
aphids (1)  
applied math (1)  
applied tree improvement (1)  
arid zone forest environment (2)  
artificial intelligence (1)  
artificial regeneration (1)  
bare-root and container-grown nursery practices (1)  
belowground carbon budget (1)  
belowground processes (1)  
bio-based fibre materials (1)  
biodiversity (7)  
biodiversity assessment (3)  
biodiversity indicators (1)  
biodiversity management (1)  
biodiversity monitoring (1)  
bioenergy (2)  
biogeochemical cycles (4)  
biogeochemistry of soils (2)  
biogeochemistry of streams (1)  
biological control (1)  
biomass (3)  
biomass partitioning (1)  
biometrics (2)  
biomonitoring (2)  
biopreservation (1)  
boreal forest silviculture (3)  
boreal forests (3)  
boreal plantation ecology (1)  
botany (2)  
breeding strategy development (1)  
Bursaphelenchus xylophilus and related species (1)  
C++ (1)  
carbon allocation (1)  
carbon and production modelling (1)  
carbon flux (1)

carbon stock change related LULUCF (1)  
CDM afforestation/reforestation methodology (1)  
climate change effects on forests (9)  
climate reconstruction (1)  
climatology (1)  
clonal breeding and deployment (1)  
clonal forestry (2)  
cloning (1)  
close-to-nature-forestry (2)  
Coleoptera (2)  
communication technology (1)  
community forestry (4)  
community-based resource management (3)  
competition (3)  
conservation (2)  
conservation and development (1)  
conservation biology (1)  
conservation planning (1)  
cork oak (1)  
cost-benefit analysis (1)  
criteria and indicators (2)  
data management (2)  
databases and websites on forest genetic resources (1)  
debris flows (2)  
deforestation (1)  
dendrochronology (14)  
dendroclimatology (4)  
dendroecology (8)  
dendrogeomorphology (1)  
dendrology (2)  
dendrometry (2)  
desertification (2)  
development and application of technical devices for tree and timber inspection (1)  
direct seeding (1)  
disturbance regimes (1)  
drought (1)  
dry forests (1)  
ecological classification (1)  
ecological genetics (1)  
ecology (2)  
ecophysiology (3)  
ecosystem and atmosphere interaction (1)  
ecosystem and landscape restoration (1)  
ecosystem gas exchange (1)  
ecosystem management (4)  
ecosystem modelling (1)  
ecosystem monitoring (3)  
ecosystem productivity and nutrient cycling (1)  
ecosystem rehabilitation (1)  
ecosystem sustainability (1)  
ecosystem vulnerability (1)  
ecotourism (1)  
effect of silviculture, site and genetics on wood quality (1)  
Elatobium (1)  
endophytic fungi (1)

energy and biodiversity initiatives (1)  
 entomology (5)  
 entomopathogenic fungi (1)  
 environmental impact assessment (EIA) (2)  
 environmental monitoring (1)  
 environmental stress (4)  
 ergonomics (3)  
 erosion and sediment control (1)  
 ethnobotany (1)  
 experimental design (3)  
 extension in forestry (1)  
 fast-growing tree species (1)  
 field evaluation of vegetative propagules (1)  
 fire ecology (2)  
 fire management (1)  
 floristic species diversity (1)  
 flower stimulation (1)  
 flowering (1)  
 foliar chemistry (1)  
 forest appraisal (1)  
 forest biodiversity (2)  
 forest biology (1)  
 forest biomass and carbon (1)  
 forest biometrics (3)  
 forest bioproducts (1)  
 forest biotechnology (1)  
 forest biotope / habitat assessment (1)  
 forest botany (5)  
 forest carbon (2)  
 forest carbon cycle (1)  
 forest certification (1)  
 forest decline (6)  
 forest dynamics (5)  
 forest ecology (23)  
 forest economics (2)  
 forest ecosystems (1)  
 forest entomology (12)  
 forest establishment practices (1)  
 forest fire management (1)  
 forest fires (1)  
 forest functions (1)  
 forest gene resources (1)  
 forest genetics (12)  
 forest growth (3)  
 forest harvesting (1)  
 forest health (4)  
 forest history (1)  
 forest hydrology (2)  
 forest inventory (11)  
 forest landscape restoration (1)  
 forest law (1)  
 forest management (10)  
 forest management planning and evaluation  
 (1)  
 forest mensuration (4)  
 forest meteorology (1)  
 forest modeling (1)  
 forest monitoring (4)  
 forest nutrition (1)  
 forest operations (5)  
 forest pathology (11)  
 forest pest management (1)  
 forest plant ecology (1)  
 forest plantations (6)  
 forest policy (4)  
 forest productivity (2)  
 forest productivity modeling (2)  
 forest products (3)  
 forest protection (4)  
 forest regeneration (8)  
 Forest Resources Assessment (FRA) (1)  
 forest resources inventory and monitoring (1)  
 forest restoration (1)  
 forest soils (7)  
 forest stand development (1)  
 forest terminology (1)  
 forest tree seeds (1)  
 forest typology (1)  
 forest utilization (2)  
 forest values (1)  
 forest work science (2)  
 forested wetlands (1)  
 forestry (3)  
 forestry and carnivore biology and  
 management (1)  
 forestry engineering (1)  
 forestry information (1)  
 forestry science (1)  
 fruiting (1)  
 functional biodiversity (1)  
 fungi (1)  
 Fusarium circinatum (1)  
 gender issues (2)  
 gene conservation (4)  
 genetic resources (1)  
 genetic tree improvement (4)  
 genomics (1)  
 geomorphology (2)  
 GIS (6)  
 global change - terrestrial systems (1)  
 GPS in forestry (2)  
 grading and quality of round wood (1)  
 grading and quality of sawn wood (1)  
 grading and quality of standing trees (1)  
 greenhouse gas inventory in LULUCF (1)  
 ground vegetation ecology (2)  
 growth stresses (1)  
 harvest scheduling models (1)  
 heat and mass transfer (2)  
 history (forest, environment) (1)  
 horticulture entomology (1)  
 human dimensions of forestry (1)  
 human disturbances (1)  
 humus forms (1)  
 hydrological flux (1)  
 hydrology (2)  
 Hylobius (1)  
 identification of tropical woods (1)

in vitro culture (1)  
 industrial microbiology (1)  
 information management (2)  
 information technology (4)  
 insect ecology (1)  
 insect pathogens (1)  
 insect population genetics (1)  
 integrated pest management (1)  
 integrated weed management (1)  
 intensive plantations (1)  
 international forest policy (1)  
 invading species (1)  
 invasion biology (1)  
 knowledge transfer (1)  
 Kyoto Protocol (1)  
 Kyoto Protocol deforestation monitoring (1)  
 land use choice (1)  
 land-use and spatial planning (1)  
 land-use change (1)  
 land-use management (1)  
 landscape aesthetics (1)  
 landscape design (1)  
 landscape ecology (6)  
 landscape management (1)  
 landscape modeling (2)  
 landscape planning (3)  
 landslides (2)  
 large production of forest trees (1)  
 legal problems in forestry and nature  
 protection (1)  
 legislation on marketing of forest reproductive  
 material (1)  
 Lepidoptera (1)  
 lichenology (1)  
 limnogeology (1)  
 logging (2)  
 logging machines (1)  
 lowland beech forests (1)  
 LULUCF (Land-Use, Land-Use Change and  
 Forestry) / Kyoto Protocol (1)  
 management and treatment of mountain  
 forests (1)  
 map servers applications (ARCIMS,  
 Mapserver) (1)  
 marker development (1)  
 medicinal weeds (1)  
 Mediterranean ecosystem (2)  
 meristem culture / micrografting (1)  
 microdendrometers (1)  
 microwave technology in wood application.  
 (1)  
 mineral nutrition (1)  
 mires (2)  
 mitigation of greenhouse effect (1)  
 mixed forest (1)  
 Monochamus spp. (1)  
 moor monitoring (1)  
 mountain environment (1)  
 mountain forests (7)  
 mountain forests in temperate and  
 mediterranean areas (1)  
 mountain lakes (1)  
 multicriteria decision-making theory (1)  
 multifunctional forestry (1)  
 mycorrhiza (1)  
 native forests (1)  
 natural disturbance and development-based  
 silviculture (1)  
 natural fibres (1)  
 natural forests (6)  
 natural regeneration (4)  
 natural resource economics (1)  
 natural resource management (2)  
 natural resources monitoring and  
 management (in particular forest systems)  
 (1)  
 natural tourism (1)  
 natural wood preservation (1)  
 nature conservation (3)  
 nature reserve design (1)  
 nitrogen fixation with non-legumes (1)  
 non-timber forest products (6)  
 nursery management (1)  
 oak silviculture (1)  
 oak-woodland savannas (1)  
 occupational health (1)  
 old-growth forests (7)  
 old-growth forests in the eastern United States  
 (1)  
 operations research (1)  
 optimization modeling (1)  
 paleoecology (1)  
 paleolimnology (1)  
 Panolis (1)  
 parasitic plants (2)  
 participation and collaboration (1)  
 participatory planning (1)  
 participatory research (1)  
 pastoralism (2)  
 peat (1)  
 peatlands (2)  
 pest mitigation (1)  
 phase change (maturation / rejuvenation) (1)  
 phenology (2)  
 pheromones (1)  
 physiological ecology (1)  
 phytomedicine (1)  
 phytosociology (1)  
 pinewood nematode (1)  
 pitch canker disease of pines (1)  
 plant anatomy (1)  
 plant chemistry (1)  
 plant ecology (3)  
 plant geography (1)  
 plant morphology (1)  
 plant physiology (1)  
 plantation in degraded areas (1)  
 planting stock material (1)

pollination (1)  
 population ecology (1)  
 population genetics (1)  
 presowing treatment (1)  
 primary forests (1)  
 principal components analysis (1)  
 private landownership (1)  
 production management (1)  
 protected area management (3)  
 protection forests (4)  
 public relations (1)  
 pulp and paper (1)  
 quantitative forest genetics (1)  
 quaternary (1)  
 Quercus suber sylviculture (1)  
 radiocontamination of forests (1)  
 rare plant species conservation (1)  
 recreation forestry (1)  
 recreation planning (3)  
 reforestation (1)  
 reforestation in semiarid areas (1)  
 regionalization (1)  
 remote sensing (8)  
 remote sensing & GIS (3)  
 renewable energy (1)  
 reproductive ecology (1)  
 restoration ecology (2)  
 rhizosphere (1)  
 riparian ecosystems (2)  
 river engineering (1)  
 river hydraulics (1)  
 road damage (2)  
 rockfall (1)  
 root and butt rot (1)  
 root physiology (1)  
 root production (1)  
 root systems (1)  
 rural development (1)  
 rural livelihood analysis (1)  
 sampling design (3)  
 science policy (2)  
 science writing (1)  
 science-policy interface (1)  
 Scolytidae (2)  
 seasonal forest wetlands (1)  
 sedimentology (2)  
 seed health (1)  
 seed orchards (4)  
 seed quality testing (1)  
 seed storage (1)  
 seed zone (1)  
 seed-borne pathogens (1)  
 seedling physiology and plant quality (1)  
 selection and management of Protected  
 Forest Areas and designing of PFA  
 networks (1)  
 semiarid hydrology (1)  
 shade tree pathology (1)  
 short-rotation forestry (1)  
 short-rotation woody crops (1)  
 site classification (1)  
 smallholder forestry (1)  
 snow avalanche reconstruction (1)  
 social aspects of biodiversity (1)  
 social forestry (2)  
 social networks (1)  
 sociology (forest, environment) (2)  
 software development (1)  
 soil animal communities (1)  
 soil chemistry (2)  
 soil ecology (2)  
 soil erosion (1)  
 soil foodwebs (1)  
 soil pollution (1)  
 soil science and land management (1)  
 soil science (nutrient cycling, morphology and  
 genesis) (1)  
 somatic embryogenesis (1)  
 spatial analysis (2)  
 spatial statistics (3)  
 special tree structures (1)  
 stable isotopes (2)  
 stand dynamics (3)  
 statistical modeling (2)  
 statistics (3)  
 stem analysis (1)  
 stone pine forest production (1)  
 storm damage (1)  
 strategic environmental assessment (SEA) (2)  
 stress response (2)  
 succession following windthrow (1)  
 surface water acidification (1)  
 sustainability (3)  
 sustainable forest management (6)  
 sylviculture (29)  
 technology transfer (1)  
 temperate environment (2)  
 terrestrial-aquatic interactions (1)  
 thinning strategy (1)  
 timber engineering (1)  
 timber harvesting (2)  
 time study (1)  
 torrent control (1)  
 trade-off analysis (1)  
 transport (2)  
 treatment of wood industry effluents (1)  
 tree anatomy and structure (2)  
 tree architecture (1)  
 tree breeding (5)  
 tree defoliation (2)  
 tree discoloration (1)  
 tree diseases (1)  
 tree ecophysiology (1)  
 tree growth modeling (2)  
 tree mechanics (1)  
 tree mensuration (1)  
 tree physiology (4)  
 tree regeneration (1)

tree rings and stable isotopes (1)  
 tree-ring analysis of tropical and subtropical  
   woods (1)  
 trees outside forests (1)  
 tropical ecology (1)  
 tropical environment (1)  
 Tropical Forest Entomology (Africa) (1)  
 tropical forestry (3)  
 tropical silviculture (1)  
 uneven-aged forests (1)  
 uneven-aged silviculture (1)  
 uneven-aged transformation (1)  
 urban forestry (3)  
 urban greening (1)  
 utilization of wood in buildings (1)  
 vascular plants taxonomy (1)  
 vegetation ecology (2)  
 vegetation modeling (2)  
 vegetative propagation (3)  
 waste utilization (1)  
 water chemistry (1)  
 water pollution (1)  
 water relations (1)  
 wetlands (1)  
 whole-plant physiology (1)  
 wildlife (1)  
 wildlife biology (1)  
 wildlife conservation (1)  
 wildlife ecology (3)  
 wildlife management (1)  
 wind resistance (1)  
 windthrow (3)  
 winter sports (1)  
 women in forestry (1)  
 wood anatomy (5)  
 wood and the environment (1)  
 wood biology (1)  
 wood chemistry (3)  
 wood composites (3)  
 wood drying processes (2)  
 wood for energy (4)  
 wood glues and gluing (1)  
 wood panels (particleboards, plywood, glulam)  
   (1)  
 wood physics (1)  
 wood processing (3)  
 wood products (1)  
 wood properties (3)  
 wood quality (3)  
 wood recycling (utilization and by-products) (1)  
 wood science (3)  
 wood surface treatment (1)  
 wood technology (2)  
 wood working industries (1)  
 work fatigue (1)