

## 001 林学院

### 1 森林保护 贺伟



**Wei He**

#### Personal information

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#### Educational background

From	To	University/Institution	Degree and Major
1995	2001	Beijing Forestry University	Silviculture ( Ph.D. )
1985	1989	Beijing Forestry University	Forest Protection ( M.S. )
1978	1982	Beijing Forestry University	Forest Protection ( B.S. )

#### Research projects

From	To	Title of Project	Position
2014/10	2017/09	National Natural Science Fund, International (regional) cooperation and exchange programs, A study on the diversity and classification of the fungi of Botryosphaeriaceae from China and South Africa	researcher
2014/01	2017/12	National Natural Science Fund, The role of effectors on the hemibiotroph of fungus Marssonina and pathogenicity of compatible poplar hosts	researcher
2011/01	2014/12	Forestry public welfare industry scientific research special. Study on the pathogenesis and integrated management of poplar canker	leader researcher

## Publications

Year	Publication
2018	Genomewide identification and development of microsatellite markers for <i>Marssonina brunnea</i> and their applications in two populations. <i>Forest Pathology</i>
	Genome-Wide Transcriptome Analysis Reveals the Comprehensive Response of Two Susceptible Poplar Sections to <i>Marssonina brunnea</i> Infection
2017	Two new endophytic species of <i>Phyllosticta</i> ( <i>Phyllostictaceae</i> , <i>Botryosphaeriales</i> ) from Southern China
	A new species and interesting records of <i>Aplosporella</i> from China
2016	Genome-wide transcriptomic profiles reveal multiple regulatory responses of poplar to <i>Lonsdalea quercina</i> infection
	<i>Bacillus lindianensis</i> sp. nov., a novel alkaliphilic and moderately halotolerant bacterium isolated from saline and alkaline soils
	Type III secretion system is an essential pathogenic factor in poplar canker pathogen <i>Lonsdalea quercina</i>
2015	Functional Analysis of <i>hrcJ</i> Gene in <i>Lonsdalea quercina</i> subsp. <i>populi</i>
2014	An Efficient Method for Total RNA Extraction of Poplar Bark Infected with Pathogen and the Application
	A canker disease of <i>Populus × euramericana</i> in China caused by <i>Lonsdalea quercina</i> subsp. <i>populi</i>
	The HrpW protein of <i>Lonsdalea quercina</i> N-5-1 has pectate lyase activity and is required for full bacterial virulence
2013	Predominant Species Dynamic and Diversity of Fungal Endophytes in Barks of <i>Populus × euramericana</i>
	<i>Acinetobacter puyangensis</i> sp. nov., isolated from the healthy and diseased part of <i>Populus × euramericana</i> canker bark

## 2 森林经理 黄华国



**Huaguo Huang**

### Personal information

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### Educational background

From	To	University/Institution	Degree and Major
2004	2007	Chinese Academy of Sciences	Ph.D in Quantitative Remote Sensing
2001	2004	Beijing Forestry University	M.Sc in GIS for Forest management
1979	2001	Beijing Forestry University	B.Sc in Forestry

### Research projects

From	To	Title of Project	Position
201601	201912	Natural Science Fund of China	leader researcher
201201	201512	Natural Science Fund of China	leader researcher
200901	201112	Natural Science Fund of China	leader researcher

### Publications

Year	Publication
2018	Extending RAPID model to simulate forest microwave backscattering,RSE
	Accelerated RAPID Model Using Heterogeneous Porous Objects,RS
	Detection of Shoot Beetle Stress on Yunnan Pine Forest Using a Coupled LIBERTY2-INFORM Simulation,RS
	Detecting shoot beetle damage on Yunnan pine using Landsat time-series data
2017	Evaluation of Atmospheric Effects on Land-Surface Directional Reflectance with the Coupled RAPID and VLIDORT Models,IEEE GRSL
2015	Modern Forestry Information Technology, BOOK
2013	Simulation of lidar waveforms with a time-dependent radiosity algorithm,CJRS
	RAPID: A Radiosity Applicable to Porous Individual Objects for directional

	reflectance over complex vegetated scenes, RSE
2012	Validating theoretical simulations of thermal emission hot spot effect on corn canopies,IJRS
2011	Temporal patterns of thermal emission directionality of crop canopies, JGR
	Tassel effect on the thermal emission directionality of corn canopies,JIMW
2010	Thermal Emission Hot Spot Effect of Crop Canopies—Part I: Simulation, IEEE J-STARS
2009	A realistic structure model for large-scale surface leaving radiance simulation of forest canopy and accuracy assessment, IJRS

### 3 森林培育 贾黎明



**Liming Jia**

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#### Educational background

From	To	University/Institution	Degree and Major
1990	1996	Beijing Forestry University	Silviculture (Ph.D.)
1986	1990	Beijing Forestry University	Forestry (M.S.)

#### Research projects

From	To	Title of Project	Position
2017/01	2020/12	National Natural Science Foundation of China, Coupling effect of water and nitrogen of triploid <i>Populus tomentosa</i> under drip irrigation and furrow irrigation in the North China Plain	leader researcher
2015/11	2019/12	Twelfth Five-Year Plan” National Science and Technology Plan for Rural Areas, Research and Demonstration of Vegetation Restoration Technology in Difficult Sites in the Taihang Mountain Gneiss Area	leader researcher

#### Publications

Year	Publication
2018	Evaluation of the cumulative effect of drip irrigation and fertigation on productivity in a poplar plantation
	Genetic diversity and association analyses of fruit traits with microsatellite ISSRs in <i>Sapindus</i>

2017	Natural variation in fatty acid composition of <i>Sapindus</i> spp. seed oils
	Root-system characteristics of plantation-grown <i>Populus tomentosa</i> , adapted to seasonal fluctuation in the groundwater table[
	Association of Fruit and Seed Traits of <i>Sapindus mukorossi</i> Germplasm with Environmental Factors in Southern China
2016	Combined surface drip irrigation and fertigation significantly increase biomass and carbon storage in a <i>Populus euramericana</i> cv
2015	Response of sap flow to flooding in plantations of irrigated and non-irrigated triploid poplar

## 4 森林培育 李国雷



**Guolei Li**

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### Educational background

From	To	University/Institution	Degree and Major
		Beijing Forestry University	Silviculture (Ph.D.)
		Shandong Agricultural University	Forestry (M.S.)
		Shandong Agricultural University	Forestry (B.S.)

### Research projects

From	To	Title of Project	Position
2017	2020	National Natural Science fund, Effects of leaf habit and root characteristic on nitrogen storage and remobilization	leader researcher
2013	2014	Beijing Natural Science Foundation Program, Physiological basis for summer planting performance improved by short-day treatments	leader researcher

### Publications

Year	Publication
2018	Water stress does not inhibit nitrogen remobilization, allowing fast growth in high nitrogen content <i>Quercus variabilis</i> seedlings under dry conditions
	Simulated predation of <i>Quercus variabilis</i> acorns impairs nutrient remobilization and seedling performance irrespective of soil fertility
	Fertilization and irrigation regimes influence on seedling attributes and field

	performance of <i>Pinus tabuliformis</i> Carr
2017	Combined effects of cotyledon excision and nursery fertilization on root growth, nutrient status and outplanting performance of <i>Quercus variabilis</i> container seedlings
	Effect of controlled release fertilizer type and rate on mineral nutrients, non-structural carbohydrates, and field performance of Chinese pine container-grown seedlings
	Combined effects of short-day treatment and fall fertilization on growth, nutrient status, and spring bud break of <i>Pinus tabulaeformis</i> seedlings
2016	Effects of copper root pruning and radicle pruning on first-season field growth and nutrient status of Chinese cork oak seedlings
	Growth and nutrient dynamics of transplanted <i>Quercus variabilis</i> seedlings as influenced by pre-hardening and fall fertilization
	Combined pre-hardening and fall fertilization facilitates N storage and field performance of <i>Pinus tabulaeformis</i> seedlings
2015	Both nursery and field performance determine suitable nitrogen supply of nursery-grown, exponentially fertilized Chinese pine
2014	Combined effects of pre-hardening and fall fertilization on nitrogen translocation and storage in <i>Quercus variabilis</i> seedlings
2013	Fall fertilization enhanced nitrogen storage and translocation in <i>Larix olgensis</i> seedlings
	Effects of nursery nitrogen application of bare-root <i>Larix olgensis</i> seedlings on growth, N uptake and initial field performance
2012	Effect of fall-applied nitrogen on growth, N storage, and frost hardiness of bare-root <i>Larix olgensis</i> seedlings
	Promoting seedling stress resistance through nursery techniques in China
2011	Influence of initial age and size on the field performance of <i>Larix olgensis</i> seedlings
2009	<i>Ostryopsis davidiana</i> seedlings inoculated with ectomycorrhizal fungi facilitate formation of mycorrhizae on <i>Pinus tabulaeformis</i> seedlings



## 5 生态 李景文



**Jingwen Li**

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Mobile	86-010-62336985 / 18701375153

### Educational background

From	To	University/Institution	Degree and Major
2009	2010	College of Resources and Environment, MSU	Visiting Scholar
2005	2005	Biodiversity conservation and Conservation Zone Management. JICA Center, Tokyo, Japan	Research and Maintenance Expert
2000	2002	Post-doctoral Station of Forestry, Beijing Forestry University	Postdoctoral Researcher
1997	2000	Northeast Forestry University	(Ph.D.) Botany
1993	1996	Northeast Forestry University	(M.S.) Botany
1989	1993	Northeast Forestry University	(B.S.) Botany

### Research projects

From	To	Title of Project	Position
2018	2018	Ejina Populus euphratica Reserve Management Bureau Project, Populus euphratica Specimen Production Project	leader researcher
2017	2018	Beijing Forestry Seed and Seedling Management Station, Beijing Forest Germplasm Resources Protection and Utilization Plan	leader researcher
2017	2020	Special Topic of the Ministry of Science and Technology of the Ministry of Science and Technology, China's Desert Major Plant Community Survey, "The Four Major Sandy Vegetation Surveys in the Eastern Inner Mongolia" sub-topic	leader researcher

2017	2020	Beijing Yanqing District Housing and Urban-Rural Construction Committee (Beijing First Development Group Jingzhang Expressway Construction Scientific Research Site Occupation Compensation): Long-term monitoring plot reconstruction of Songshan Hutao Yulin	leader researcher
2016	2020	National “13th Five-Year Plan” Key R&D Program: Research and Demonstration of Regression Technology of Very Small Population Wild Plants. Item No.: 2016YFC0503106	participant
2016	2017	Beijing Yanqing Forestry Bureau Science and Technology Project: Yanqing Division Ecological Environment Protection Comprehensive Background Survey and Evaluation Special Project No.:2016HXFWBHQ-ZZX-002	participant
2016	2017	Ejina <i>Populus euphratica</i> Reserve Management Bureau: Landscape dynamics of <i>Populus euphratica</i> and construction of monitoring plots. Project No.: 2016HXFWLXY034	leader researcher
2016	2019	National Natural Science Foundation of China: The expansion of <i>Populus euphratica</i> root system and its inducing mechanism. Item No.: 31570610	responsible person
2014	2016	Special Sub-project of National Forestry Public Welfare Industry: Plant Background Survey in Gobi District, Project No.: 201404304-6	responsible person
2013	2015	The Second National Plant Protection Investigation Project of the State Forestry Administration of Beijing, the investigation of the resources of the plant protection of walnuts in Beijing	project leader
2013	2017	Ministry of Science and Technology Basic Planning Project, Kumtag Comprehensive Investigation of Plant and Vegetation Survey	leader researcher
2012	2015	National “Twelfth Five-Year” Science and Technology Support Project Sub-topic: Evaluation Techniques of Changbai Mountain Red Pine Forest Biodiversity Conservation Center, Sub-theme	leader researcher
2012	2014	Special fund for basic scientific research business of central-level public welfare research institutes: “Investigation on plant and vegetation background in Black Gobi Desert area”, sub-project number: CAFYBB2011002-6,	leader researcher
2011	2013	National Natural Science Foundation of China, Research on Root Distribution Characteristics and Root Formation Mechanism of Ejina Oasis Poplar,	project leader

		Project No.: 31070553,	
2010	2012	Forestry public welfare industry research project: China desert, sand, Gobi utilization value evaluation, project number: 201004059,	co-leader researcher
2007	2010	National “Eleventh Five-Year” Science and Technology Support Project: “Research and Demonstration of Degraded Ecosystem Restoration Technology in Nature Reserves in Extremely Arid Areas”, project number: 2008BAD0B05-2	special person in charge
2007	2010	Beijing Municipal Forestry Bureau Major Project and Beijing Science and Technology Commission Green Channel Project “Beijing Plant Germplasm Resources Cataloging”	special person in charge
2006	2008	National Natural Science Foundation of China, Research on Reproductive Adaptation Strategies of Ejina Oasis Populus, Project No.: 30570332	project leader
2005	2007	Ministry of Education Science and Technology Key Project, Ejina Desert Oasis Plant Reproduction Strategy and Renewal Impact Mechanism Research, Project No.: 105028	project leader
2004	2007	Forestry “948” project, “Introduction of forest management technology based on ecosystem management and its dynamic simulation software”, project number: 2004-9-29	project leader
2003	2005	Beijing Biodiversity Status and Sustainable Planning Program Research, Beijing Municipal Science and Technology Commission Major Project, H030630050490	main participant
2001	2004	National Natural Science Foundation of China, Research on Morphological Variation and Construction of Seedlings of Main Tropical Tree Species in Hainan	participant
1999	2002	National Natural Science Foundation of China, Research on the Formation Mechanism of Tropical Rainforest Biodiversity in Hainan (39830310)	participant
1996	2000	National “Ninth Five-Year Plan” Key Scientific and Technological Projects (96-002-05), Sanjiang Plain Forest Ecosystem Comprehensive Development Model Research, Management Design and Biodiversity Evaluation	project assistant

### Publications

Year	Publication
2018	Relationships Between Fungal and Plant Communities Differ Between Desert

	and Grassland in a Typical Dryland Region of Northwest China
	Branching patterns of clonal root of <i>Populus euphratica</i> and its associations with soil factors
2017	Plant diversity and its environmental explanation in gobi district of northern Qinghai-Tibet Plateau , northwestern China
	Disentangling the influence of climate, soil and belowground microbes on local species richness in a dryland ecosystem of Northwest China
	Biogeographic patterns and environmental interpretation of plant species richness in desert regions of Northwest China
	The Patterns and Drivers of Bacterial and Fungal-Diversity in a Typical Dryland Ecosystem of Northwest China
	Anatomical characteristics and adaptability plasticity of <i>Populus euphratica</i> in different habitats
	Composition of seed plant species and floristic features in the Gobi area of the northern Qinghai-Tibet Plateau of China
	Plasticity Response of leaf Anatomical Characteristics of <i>Populus Euphratica</i> in Different Soil Conditions
2016	Plant species richness patterns and water energy dynamics in the Black Gobi Desert, China
	Plant distribution patterns and the factors influencing plant diversity in the Black Gobi Desert of China
	Effect of soil moisture dynamics on growth and allocation strategy of <i>Populus euphratica</i> seedlings
	Composition of seed plant species and flora features in different areas of the Kumtag Desert of China
2015	Vertical distribution and seasonal dynamics of fine roots in <i>Populus euphratica</i> plantation in the extremely drought area
	Response of root growth and architecture of <i>Populus euphratica</i> seedling on soil water
	Analysis of landscape characteristics of forests in northern Changbai Mountains based on ecological protection pattern
2014	Ecologically critical areas of broad-leaved Korean pine mixed forest in Changbai Mountains, China
2013	plant species diversity and floral characters in the black Gobi desert of China.
	Cloning root system distribution and architecture of different forest age <i>Populus euphratica</i> in Ejina Oasis
	Soil water and fertilizer factors on the trade-off of growth and lignification of <i>populus euphratica</i> seedling
2012	Response of arid plant <i>Sophora alopecuroides</i> to soil heterogeneity and competitors
	Reproductive Characteristics of a <i>Populus euphratica</i> Population and Prospects for Its Restoration in China

	Spatial Pattern and Utility of <i>Populus euphratica</i> Seed Rain in Ejina Inner Mongolia, China
	Sexual reproduction failure of <i>Populus euphratica</i> in arid region: connecting water and soil to seed germination and seedling survival
	Distribution pattern and their influencing factors of invasive alien plants in Beijing
2011	Effect of stand age and individual growth on seed germination of <i>Populus euphratica</i> in the Ejina Oasis, China
2010	Plant diversity and its maintenance in <i>Populus euphratica</i> riparian forests in the Ejina Oasis, China
	Composition characteristics of alien species and distribution of invasive alien species in Beijing
	Construction Scheme and Management Pattern of Small Nature Reserves in Beijing
2009	Study on temporal heterogeneity of seed rain of <i>Populus euphratica</i> in Ejina Oasis, China
	Development and growth of root suckers of <i>Populus euphratica</i> in different forest gaps in Ejina Oasis
2008	Impact of Urbanization on Plant Diversity: A Case Study in Built-up Areas of Beijing
	The characteristics of root suckers of <i>Populus euphratica</i> Oliv. In three habitats of Ejina oasis
2007	Attributes of vegetation and status of plant diversity in Great Wall Scenic-spots in Beijing
	Discussing the status quo and development of protected areas in China
2005	Spatiotemporal patterns of seed dispersal in <i>Populus euphratica</i>
	Comparison of genetic diversity of Eurasian beeches
	Stump Sprouting of the Main Broad-Leaved Tree Species of Secondary Forest in Eastern Area of Northeast China
2004	Seedling architecture of tropical montane rain forest in Bawangling of Hainan Island
2003	Effect of Isolation of Hainan Island from the Mainland on the Genetic Variation of <i>Podocarpus imbricatus</i>
2003	Regeneration and Restoration of Broadleaved Korean Pine Forests in Lesser Xingan Mountains of Northeast China
2002	Taxonomic diversity of main tropical forest ecosystem nature reserves in Hainan Province, China
2001	Resources of the Birch ( <i>Betula platyphylla</i> ) for Sap Production and Its Ecological Characteristics in Northeast China
	Growth Comparison on the <i>Larix olgensis</i> of Different Provenance
	FRACTAL ANALYSIS ON SPATIAL PATTERN DYNAMICS OF EXISTING THEROPENCEDRYMION AFTER DYNAMICS

	MANAGEMENT
	Hotspots in Ecological Research—Plant Molecular Ecology
	Income and Managing Activities of the Protected Areas in China
2000	Ecology and Resources of White Birch Stands in Northeast China. Tree Sap II : 13-17, Proceedings of the 2nd International Symposium on Sap Utilization(ISSU) in Bifuka 2000
2014	Research on Black Gobi Desert, China
2008	Richful Biodiversity in Beijing
2006	Research on Forest Biodiversity Conservation
2006	Conservation Biology(Second Edition)
2002	Conservation Biology

## 6 生态 刘晓东



Xiaodong Liu

### Personal information

Current position	Professor
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### Educational background

From	To	University/Institution	Degree and Major
1994	1997	Northeast Forestry University	Doctor degree Forest Ecology
1991	1994	Northeast Forestry University	Master degree Forest Ecology
1987	1991	Northeast Forestry University	Bachelor degree Forestry

### Research projects

From	To	Title of Project	Position	Project Description
2018	2021	The Mechanism of Crown Fire Occurrence base on the Fuel Spatial Distribution and Fuel Management Rules	Leader researcher	Base on the fuel spatial distribution and fuel management techniques to study the prevention strategies of crown fire occurrence in the typical forest of North China
2017	2020	Fuel accumulation and management techniques of plantation	Leader researcher	To study the surface fuel dynamic and develop fuel model of typical forests in North China.

### Publications

Year	Publication
2018	Assessing the temporal and spatial dynamics of the forest fires in southeastern China, Applied Ecology and Environmental Research.
2018	Patterns of Biomass and Carbon Allocation across Chronosequence of Chir Pine ( <i>Pinus roxburghii</i> ) Forest in Pakistan: Inventory-Based Estimate Assessing, Advances in Meteorology.
2018	Comparative analysis of burn index adaptability when evaluating grassland fire severity. Acta Ecologica Sinica.

2017	Review on the main emission products released by forest combustion. Journal of Beijing Forestry University.
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## 7 森林培育 刘勇



**Yong Liu**

### Personal information

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### Educational background

From	To	University/Institution	Degree and Major
1991	1994	Beijing Forestry University	(Ph.D.)
1985	1987	University of Idaho	(M.S.)
1978	1982	Beijing Forestry College	(B.S.)

### Research projects

From	To	Title of Project	Position
2018	2019	The Beijing Municipal Finance Project, "Study on the common problems of 10 major landscape tree species in Beijing"	leader researcher
2017	2018	The Beijing Municipal Finance Project, "The collection, propagation and application technology research of landscaping resources in Beijing ",	leader researcher
2016	2020	The national R & D program, "Study on High-efficiency Cultivation Techniques of Poplar Industrial Resources",	leader researcher

### Publications

Year	Publication
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2018	Container volume and subirrigation schedule influence <i>Quercus variabilis</i> seedling growth and nutrient status in the nursery and field
	Effect of forest thinning and wood quality on the short-term wood decomposition rate in a <i>Pinus tabuliformis</i> plantation
	Short-day treatment affects growth, physiological parameters and needle proteome of Chinese pine ( <i>Pinus tabuliformis</i> Carr.) seedlings
	Effect of Different Container Types and Sizes on Growth and Field Performance of <i>Pinus tabuliformis</i> Containerized Transplanting
	Coupling effects of water and fertilizer on seedling growth and nutrient status of <i>Catalpa bungei</i>
	Relationship between Pigment Contents and Leaf Color Parameters of <i>Pistacia chinensis</i> Bunge of Different Provenances in Autumn
	The growth response of <i>Pistacia chinensis</i> Bunge containerized seedlings to slow-release fertilizer
	Analysis of differentially expressed protein functions of <i>Pinus tabulaeformis</i> seedling leaves induced by short-day treatment
2017	Aging and Rejuvenation Pattern of Reproductive Material of <i>Populus tomentosa</i> Sprouts
	Effect of Sub-irrigation with slow-release fertilizer on growth and accumulation of nitrogen of <i>Larix principis-rupprechtii</i> Mayr container seedlings
	Relationship between Pigment Contents and Leaf Color Parameters of <i>Pistacia chinensis</i> Bunge of Different Provenances in Autumn
	Research Progress of Forest Seed Dormancy and Storage in Foreign Countries
	Effects of Mushroom Residue Compost on Growth and Nutrient Uptake of <i>Pinus tabulaeformis</i> Container Seedlings
	Sub-irrigation with different container types and sizes for containerized root growth of <i>Pinus tabuliformis</i> seedlings
2016	Soil Enzyme Activities in <i>Pinus tabuliformis</i> (Carriere) Plantations in Northern China
2014	Interaction of initial litter quality and thinning intensity on litter decomposition rate, nitrogen accumulation and release in a pine plantation
	Combined effects of pre-hardening and fall fertilization on nitrogen translocation and storage in <i>Quercus variabilis</i> seedlings
2013	Fall fertilization enhanced nitrogen storage and translocation in <i>Larix olgensis</i> seedlings
2012	Promoting seedling stress resistance through nursery techniques in China
	Effect of Fall-applied Nitrogen on Growth, Nitrogen Storage, and Frost Hardiness of Bareroot <i>Larix olgensis</i> Seedlings
	Effect of seedling age on the seedling quality and field performance of <i>Pinus koraiensis</i>
	Decomposition characteristics of coniferous litter under different site conditions in a <i>Larix principis-rupprechtii</i> plantation

	Effects of planting densities on growth and photosynthesis characters of <i>Urtica Dioica</i> L
	The Effect of N application on the growth and fruit quality of blueberry
	Study on quantitative classification for forestry development division of Ceheng county, Guizhou province
	A review on the abroad studies of techniques in regulation quality of container seedling
	Inhibitory mechanism of seed germination of <i>quercus acutissima</i>
	Effect of slope position on ground biomass distribution pattern in <i>Pinus tabulaeformis</i> plantation
	Cloning and experssion analysis of PpNST1 and PpSND1 genes from <i>Prunus persica</i> L
2011	Advances in tree seed biology and seed production techniques in China
	Effect of Phosphorus application mode on growth of <i>Larix olgensis</i> seedlings
	Application of controlled-released fertilizer in the cultivation of <i>Larix olgensis</i> seedling
	Growth and P-uptake for <i>Larix olgensis</i> seedlings with phosphorus top-dressed using fertigation
	Study of techniques for steady-state nutrient supply of seedlings
	A review of oversea studies of seedling quality
	Study on the diversity of understory vegetation in different age aerial seedling forests
	Proteomic analysis of peach endocarp and mesocarp during early fruit development.
	Influence of initial age and size on the field performance of <i>Larix olgensis</i> seedlings
	Effects of air-drying on vigor of <i>Larix olgensis</i> seedlings during transplantation
	Effects of fertilization on uptake and availability of N and P nutrient pool of <i>Larix olgensis</i> seedlings
	Quantitative classification of forestry development compartment of Guizhou Province
	Effects of phosphorus applying method on growth of <i>Larix olgensis</i> sowed seedlings
	A review on advances of root pruning technology of tree seedlings
	Effects of Nitrogen fertilization on the growth and nutrient status in <i>Larix olgensis</i> seedlings.
	Progress on research method of soil fungi and human disturbances to forest soil fungi
	Review on advance in study of fall fertilization regulating seedling quality
	Effects of soil water content on seedling growth of <i>Larix olgensis</i>
2010	Relationships between root morphological plasticity and heterogeneous N for <i>Larix olgensis</i> seedlings

	Analyze on height growth of <i>Larix olgensis</i> and meteorological element
	Relationship between transpiration rate of <i>Larix olgensis</i> and meteorological element
	A Discussion on enhancing theoretical studies of silviculture
	Research progress of impact of thinning on plantation litter decomposition
	Comparison of photosynthetic characteristics of tree provenances of <i>Urtica dioica</i>
	Study on system methodology in design and implement process of afforestation planning
	Research progress on forest soil enzyme
	Effects of different coverage on seedling emergence and soil evaporation on the northeast China
	Composting technology for plant based raw material treatment and nitrogen release characteristics
2009	Responses of understory vegetation development to regulation of tree density in <i>Larix principis-rupprechtii</i> plantations
	Changes of soil fertility in young and middle aged <i>Larix principis-rupprechtii</i> plantations
	Differences in soil fertility for different vegetation types in Yanqing aerial seedling area, Beijing
	<i>Ostryopsis davidiana</i> seedlings inoculated with ectomycorrhizal fungi facilitate formation of mycorrhizae on <i>Pinus tabulaeformis</i> seedlings
	Responses of decomposition rate, nutrient return, and composition of leaf litter to thinning intensities in a <i>Pinus tabulaeformis</i> plantation
	Comparison of tree growth and undergrowth development in aerially seeded and planted <i>Pinus tabulaeformis</i> forests
	Soil fertility of different forest types in the mountainous area of Beijing
	Relationship between seedling quality and outplanting performance of <i>Larix olgensis</i>
	Response of the undergrowth development to the growth rhythm of Chinese Pine plantation
2008	Change of soil quality affected by forest age of <i>Pinus tabulaeformis</i> plantations
	Effect of density on soil fertility in <i>Pinus tabulaeformis</i> plantations
	Enriching the theoretical basis of silviculture with the system sciences
	Decomposition characteristics affected by forest age in <i>Pinus tabulaeformis</i> plantations
	Seasonal response of soil enzyme activity to thinning intensity in aerial seeding <i>Pinus tabulaeformis</i> stands
	Spatial difference of $\geq 10^{\circ}\text{C}$ and $\geq 18^{\circ}\text{C}$ annual accumulated temperatures and the day number in the Yunnan hot region
	Seasonal response of soil enzyme activity to thinning intensity of aerial seeded

	Pinus tabulaeformis stands
	Response of soil quality to thinning intensity in Young Pinus tabulaeformis plantations
	Analysis on community characteristics of Beijing Baimujing air seeding Pinus tabulaeformis plantation
	Evaluation and regulation of soil quality of aerial seeding Pinus tabulaeformis stands
	Effects of the thinning intensity on the diversity of undergrowth vegetation in Pinus tabulaeformis plantations
2007	Response of soil enzyme activity to thinning intensity of aerial seeding Pinus tabulaeformis stands
	Effects of thinning intensity on the development of undergrowth in Pinus tabulaeformis plantations
	Advance in germplasm resources and cultural techniques of Scutellaria Baicalensis Georgi
	Effect of reserve density on undergrowth development of aerial seeding Pinus taulaeformis stands
	Effects of Fertilization and Plant Growth Regulator on the Growth and Protective Enzyme Activity of Cornus officinalis
2006	Resources investigation and ecological study on ectomycorrhizal fungi in Daqinshan Mountains, Inner Mongolia
	China seedling industry : status, trend and countermeasures
	The flower organ growth survey study of Rosa rugosa cv. Plena
	Drought-resistance physiology and regulation technology of seedlings
	Review on Stress-resistance of Phytohormone
	Advances in the research of the aerial-seeding forest in China
	Analysis on the flora of seed plants of the communities from Pinus tabulaeformis Sown by plane
2005	A study on seedling fertilization of Pistacia chinensis
	The absorption of Zn <sup>2+</sup> and Cd <sup>2+</sup> by different strains of Suillus bovinus and its effect on the tolerance of Pinus tabulaeformis seedlings to Zn <sup>2+</sup> and Cd <sup>2+</sup>
	Nitrogen nutrition in Glycyrrhiza uralensis Fisch
	Construction and development of stock and sale system of nursery
2004	Mycorrhiza of Cenococcum geophilum (Fr.) Formed on Ostryopsis davidiana and Mycorrhizal affection on the growth of Ostryopsis davidiana
	Reviewing on quality modification and control techniques of containerized seedling
	Theories of directed seedling cultivation for reforestation varieties
	Present situation and prospects of special fertilizer for traditional Chinese medicine herbs
2003	Effects of tree and medicinal plant intercropping system on medicinal plants yield
	Effects of fertilization treatments on plantation growth of triploid clones in

	Populus tomentosa
	Studies on the photosynthesis and physiological adaptability of medicinal plants in tree-medicinal plant intercropping system
	Research progress in the biological characteristic and resource cultivation of Glycyrrhiza uralensis Fisch
2002	Research on hardy branch cutting cultivation of Qinghai spruce
	Effects of fertilization methods on seedling growth and drought tolerance of Platycladus orientalis under different water conditions
2001	The principle of effects of different water status on seedling growth and drought tolerance of Platycladus orientalis
	The development of theory and technology for tree seed breeding in China
2000	Effects of fertilizer treatments on seedling growth and cold resistance of triploid Populus tomentosa
	Advances in theory and techniques of seedling culture in China
1999	The illumination of 1998 catastrophic flood on making of forestry plan
1998	The resistance potential of bareroot conifer seedlings to exposure. In Proceedings of the fourth academic conference of young scientists
	The tendency of world forestry extension and its illumination
1996	Development tendency of world forestry education
	Development tendency of world forestry extension
1995	Research on the relationship between chlorophyll contents and seedling quality of Pinus tabulaeformis and Platycladus orientalis
	The effects of cold storage on seedling viability and physiology of two main conifer species in north China
	Studies on seedling quality of some main conifer species in Northern China(IV)---The relationship of seedling morphology and seedling survival and early growth after outplanting
	Studies on seedling quality of some main conifer species in Northern China(V)--- The relationship of seedling morphology and physiology
	Increasing beneficial results should be the focus of forestry development in China
1994	Discussion on the planting techniques of selecting seedlings to match their planting sites
	Studies on seedling quality of some main conifer species in Northern China(III)--- seedling nutrient supply and carbohydrate reserve during seedling dormancy and bud break
1993	Root growth potential and energy sources for new root growth of three conifer species in Northern China
	Studies on seedling quality of some main conifer species in Northern China(I)--- root growth potential
	Studies on seedling quality of some main conifer species in Northern China(II)--- change patterns of carbohydrates during seedling root growth
	Studies on seedling viability of main conifer species in Daxinanling Area

	Study on seedling density and sowing quantity of <i>Larix gmelini</i>
1992	Discussion on forestry development roads in China from an angle of multi-purpose forestry
	Root pruning of cupric sulfate on containerized seedlings
1991	A study of the chemical root pruning technique for <i>Larix gmelini</i> containerized seedling
	Current status and trends in researches on seedling quality evaluation
	Utilization of cupric carbonate in forestry
1990	Culturing techniques of <i>Larix gmelini</i> containerized seedlings
	Wrenching technique for <i>Larix gmelini</i> seedling in greenhouse
	A study on seedling age of lifting and density of transplanting in <i>Pinus sylvestris</i> var. <i>mongolica</i>
	The optimum sowing date in culturing of <i>Larix gmelini</i> seedlings
	A study on seedling raising techniques and outplanting effects of transplanted container seedlings for two main conifer species in Daxinanling area
	A study on the utilization techniques and effects of outplanting for natural grown <i>Larix gmelini</i> seedlings
	A study on the mediums of containerized <i>Larix gmelini</i> seedlings
1988	First year field growth of chemically root pruned containerized seedlings
2017	Urban tree planting techniques
	The technology of urban tree shaping and pruning
	The protection technology of urban tree
2014	Advances in cultivation techniques for container seedlings of forest trees
2011	A Study on Biodiversity Mechanism by the Creativity Theory of Ecosystem, Research in Biodiversity - Models and Application
2008	Creativity of the complex system
2002	Technique of tree seedling cultivation
2001	Silviculture
1999	Principles and Methodology for Seedling Quality Modification and Control
1996	Techniques of tree seed and seedling production
1995	Studies on seedling packing and afforestation through the method of total enveloped techniques

## 8 森林培育 马履一



**Lyuyi Ma**

### Personal information

Current position	Full Professor
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### Educational background

From	To	University/Institution	Degree and Major
1990	1995	Beijing Forestry University	(Ph.D. ) Silviculture
1978	1982	Beijing Forestry University	(B.S.) Forestry

### Research projects

From	To	Title of Project	Position
2015	2018	Forestry Public Welfare Industry Research Project, Breeding and Scale Propagation Techniques of New Variety of <i>Magnolia wufengensis</i>	leader researcher
2014	2017	National International Science and Technology Cooperation Project, Research on Sustainable Management Technology Cooperation of Energy-efficient Advanced Biomass Raw Material Forest	leader researcher
2014	2017	Forestry Public Welfare Industry Research Special Project, Study on Key Techniques for Efficient Allocation and Control of <i>Camellia oleifera</i>	leader researcher
2006	2010	National "11th Five-Year" Tackling Key Problems in	leader researcher

		Science and Technology, Research and Demonstration on Large-scale Production Technology of gGood Seed and Strong Seedling in Fast-growing and High-yield Forest	
2006	2010	National "11th Five-Year" Tackling Key Problems in Science and Technology, Energy Forest Cultivation Technology	leader researcher
2007	2009	Beijing Science and Technology Plan, Study on Function and Layout of Livable Urban Greening System in Beijing	leader researcher
2006	2009	The Project of Cultivating Capital of Science and Technology Innovation Project in Universities, Breeding and High-efficiency Cultivation Techniques of Shrub Energy Forest Tree Species	leader researcher
2005	2008	"948" Project of the State Forestry Administration, Analysis and Management Technology of Forest Resources Inventory	leader researcher
2003	2005	National and Beijing Forestry Bureau Project, Research and Demonstration of Ecological PPublic Welfare Forest in Beijing Mountain Area	leader researcher
2009	2009	Ministry of Education Graduate Student Education Innovation Program, Research on Several Issues of Joint Research on Production, Study and Research and Joint Training of Graduate Students at Home and Abroad	leader researcher
2009	2010	National "11th Five-Year" Scientific and Technological Support Project, Study on Key Technology of Controlling Water and Fertilizer in <i>Camellia oleifera</i>	leader researcher
2009	2012	Beijing Education Commission Research and Development Project, Research on Key Technologies of Quality Improvement of Ecological Public Welfare Forest in Beijing	leader researcher
2010	2015	National Public Welfare Industry Research Project, Key Techniques for Efficient Cultivation and Management of <i>Pinus tabulaeformis</i> and <i>Larix principis-rupprechtii</i> Mayr	leader researcher
2012	2014	Beijing Science and Technology Project, Million Acres of Afforestation Technology Support Project in the Capital Plains	leader researcher

### Publications

Year	Publication
2017	Effects of canopy gap size on growth and spatial patterns of Chinese pine



	( <i>Pinus tabulaeformis</i> ) regeneration
	Various response of <i>Pinus tabulaeformis</i> Carr. regeneration in artificial gaps
	Regeneration response to canopy gap size in a Chinese pine plantation: Species diversity patterns, size structures and spatial distributions
	The olive ( <i>Olea europaea</i> L.) industry in China: its status, opportunities and challenges
	Analysis of the genetic relationships and diversity among 11 populations of <i>Xanthoceras sorbifolia</i> using phenotypic and microsatellite marker data
	Effect of climatic factors on the temporal variation of stem respiration in <i>Larix principis-rupprechtii</i> Mayr
	Drip Irrigation Affects the Morphology and Distribution of Olive Roots
	Forest Recovery after Clear-cutting in Chinese pine ( <i>Pinus tabulaeformis</i> ) Plantations of North China
	Effects of spatial-temporal variation and biological factors on stem respiration of <i>Larix principis-rupprechtii</i> Mayr
2016	Overexpression of the repressor gene PvFRI-L from <i>Phyllostachys violascens</i> delays flowering time in transgenic <i>Ara bidopsis thaliana</i>
	Phylogenetic relationships among five species of <i>Armeniaca</i> Scop.(Rosaceae) using microsatellites(SSRs) and capillary electrophoresis
	Interactive effects of irrigation and exponential fertilization on nutritional characteristics in <i>Populus x euramericana</i> cv. '74/76' cuttings in an open-air nursery in Beijing, China
	Identification of <i>Magnolia wufengensis</i> (Magnoliaceae) cultivars using phenotypic traits, SSR and SRAP markers: insights into breeding and conservation
	Effect of exogenous abscisic acid acclimation in two <i>Magnolia</i> species
	Advances in Molecular Biology of <i>Corylaea chinensis</i>
2015	Comparative analysis of natural cold acclimation and deacclimation of two <i>Magnolia</i> species with different winter hardiness
	Physiological and Biochemical Processes of <i>Magnolia wufengensis</i> in Response to Foliar Abscisic Acid Application during Natural Cold Acclimation
	Natural cold acclimatisation and de-acclimatisation of <i>Magnolia wufengensis</i> in response to alternative methods of application of abscisic acid
2014	High genetic diversity and small genetic variation among populations of <i>Magnolia wufengensis</i> (Magnoliaceae),revealed by ISSR and SRAP markers
	Root inclusion net method: novel approach to determine fine root production and turnover in <i>Larix principis-rupprechtii</i> Mayr plantation in North China
	Application of 3s Technology in Urban Forestry
	Progress in the study of <i>Cortex Corylifolia</i>
2012	Cloning and expression analysis of a LFY homologous gene in Chinese <i>Jujube</i> ( <i>Ziziphus</i> Mill)
2011	Comparative Analysis of Urban Greening Evaluation system in China
	Effects of drought stress on the growth and physiological characteristics of

	Magnolia mandshurica seedlings
2010	Progress in tissue Culture of Magnoliaceae
	Research Progress of Saline-alkali soil improvement and Utilization Technology
2015	Study on Cultivation of Fuel Shrub Energy Forest
2010	Water Consumption, Mechanism and Application of main Afforestation Tree species in North China
2009	Studies on the Allocation of Regional Agricultural Resources, Comprehensive Environmental Management and Coordinated Development of Agricultural Regions: Agricultural Structure Adjustment and Regional Layout
	Study on Water consumption and Water Saving Irrigation system of main Landscape plants in Beijing
2006	Practice and Exploration of Education Management for Graduate Students in Agriculture and Forestry
2002	50 Years of Beijing Forestry University Graduate Student Education
	Study and Application of Water Consumption Characteristics of Water Conservation Forest Species

## 9 森林经理 彭道黎



**Daoli Peng**

### Personal information

Current position	Full Professor
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### Educational background

From	To	University/Institution	Degree and Major
1991	1994	Beijing Forestry University	Forest Management (Ph.D.)
1985	1988	Beijing Forestry University	Forestry (M.S.)
1982	1985	Hunan Forestry School	Forestry (Secondary School Education)

### Research projects

From	To	Title of Project	Position
201701	201812	Forest resources accounting for woodland	leader researcher
201601	201812	Questionnaire survey on farmers returning farmland to forest	leader researcher
201601	202012	Influence mechanism of management measures on Plantation soil fertility	leader researcher
201501	201712	National key forestry project monitoring technology demonstration and extension	leader researcher
201501	201812	948 Project, Introduction of three step sampling technology for comprehensive monitoring of forest resources	leader researcher
201401	201512	Establishment of forest management plan for pilot units of sustainable forest management	leader researcher
201401	201512	County forest management plan compilation	leader researcher

		and promotion	
201401	201512	Investigation of forest vegetation in Sichuan	leader researcher
201301	201412	Optimization Design of The National Forest Inventory Scheme	leader researcher
201101	201312	Demonstration and extension of forest volume Remote Sensing Estimation Technology	leader researcher
201001	201112	Study on forest management mode	leader researcher
201001	201112	Investigation of farmers returning farmland to forests	leader researcher
200601	201012	National Science and technology support program	leader researcher

### Publications

Year	Publication
2018	Simulated predation of <i>Quercus variabilis</i> acorns impairs nutrient remobilization and seedling performance irrespective of soil fertility
2017	Classification of high-resolution image based on optimal scale and rule
	Comparison of fusion algorithms for GF-2 data from extracted forestland information
2016	Hyperspectral estimation model of dust deposition content on plant leaves
	Developing Aboveground Biomass Equations Both Compatible with Tree Volume Equations and Additive Systems for Single-Trees in Poplar Plantations in Jiangsu Province, China
2015	Long term evaluation of green vegetation cover dynamic in the Atacora Mountain chain (Togo) and its relation to carbon sequestration in West Africa
	Estimating Method of the Forest Volume based on Multi-stage Sampling——Taking Three Gorges Reservoir Areas An Example
	Changes of Forest Canopy Spectral Reflectance With Seasons in Lang Yan Mountains
2014	Evaluation of Forest Ecosystem Services in Three Gorges Reservoir Area
	China's Conversion of Cropland to Forest Program for Household Delivery of Ecosystem Services: How Important is a Local Implementation Regime to Survival Rate Outcomes
	Extraction of Seedlings Information Based on Improved Edge Segmentation Algorithm
2013	Estimation of Forest Volume of Miyun County on Remote Sensing by Partial Least Squares Regression
2012	Estimation of Forest Volume by Principal Component Regression Based on RS
2011	Tree Species Information Extraction of Farmland Returned to Forests Based on Improved Support Vector Machine Algorithm
2010	Monitoring technology of sandstorm source control project around Beijing and

	Tianjin
	The standard and specification of forest resources management information system construction
	Tree-crown information extraction of farmland returned to forests using QuickBird image based on object-oriented approach
2009	Growth simulation of Pinus tabulaeformis stands based on Agent technology
	Study on multiple vegetation index in detecting ability of low coverage vegetation
	Dynamic Monitoring of Land2use Change in Guyuan County , Hebei Based on Remote Sensing
2008	Research on Visualization of Stand Spatial Structure
	Dynamic Monitoring of the Vegetation Restoration in Yanqing County, Beijing Based on Remote Sensing
	The Study on Managerial Objectives and Index System of Non Commercial Forest in Beijing

## 10 森林保护 石娟



**Juan Shi**

### Personal information

Current position	Professor
University	Beijing Forestry University
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### Educational background

From	To	University/Institution	Degree and Major
2000	2005	Huazhong Agricultural University	Forest Protection (Ph.D.)
1996	2000	Shanxi Agricultural University	Plant Protection and Economic Management (D.B.S.)

### Research projects

From	To	Title of Project	Position
2018/01	2021/12	National Natural Science fund, Research on Subspeciation and Adaptive mutation mechanism of Asian gypsy moth , <i>Lymantria dispar</i> , in China	leader researcher
2017/11	2018/06	Horizontal Research, Demonstration and promotion of new pollution-free prevention and control technology of <i>Apocheima cinerarius</i> in Beijing Plain	leader researcher
2016/08	2017/08	Bureau Organ of The State Forestry Administration , Risk assessment of foreign forest introduction and pest identification	participants researcher
2016/07	2018/12	National Key Research and Development Plan, Background census and dynamic distribution of invasive organisms in forest ecosystems	leader researcher
2016/01	2020/12	Mid-long Term Program of Scientific Research for Young Teachers in Beijing Forestry University, Disaster	participants researcher

		mechanism of <i>Anoplophora glabripennis</i> and its sibling species	
2015/01	2018/12	Forestry Public Welfare Industry Research Special, Rapid molecular identification and control technology by afforestation of the Invasive alien pest <i>Sirex noctilio</i> in China	leader researcher.
2013/10	2016/10	“Youth Talents Program” of Beijing Higher Education Institutions, Genetic differentiation analysis and rapid molecular identification of Asian gypsy moth, <i>Lymantria dispar</i> , and its sibling species	leader researcher
2012/05	2014/12	Science and Technology Project in Beijing , Construction of international cooperation and innovation alliance of Beijing agricultural city	participants researcher
2012/01	2016/12	Major Projects of Forestry Public Welfare Industry Research Special, The key theoretical basis of major forest disease and insect pest control technology	participants researcher
2012/01	2015/12	National Natural Science fund ,Biochemical and physiological mechanisms and flight capabilities of female adults of different geographical populations of Asian gypsy moth, <i>Lymantria dispar</i>	leader researcher
2011/03	2012/12	Science and Technology Innovation Youth Excellent Papers Support The Special Program in Beijing Forestry University, First exploration of penetration mechanism of <i>Bursaphelenchus xylophilus</i> in <i>Pinus tabulaeformis</i>	leader researcher
2011/01	2013/12	Program for New Century Excellent Talents in University, Research on the Eco-climatic limiting factors affecting the distribution of the Asian gypsy moth, <i>Lymantria dispar</i> , in China	leader researcher
2010/03	2010/12	Special Program for Scientific and Technological Innovation Research Team of Basic Science in Beijing Forestry University, System construction of molecular detection of boring insects in inbound wood	leader researcher
2010/01	2011/12	Horizontal Research, Risk analysis of Asian gypsy moth <i>Lymantria dispar</i>	leader researcher
2009/01	2012/12	Forestry Public Welfare Industry Research Special, Research on integrated control technique of <i>Lymantria dispar</i> and technology to combat USA's trade barriers	leader researcher
2009/01	2011/12	National Key Basic Research Program of China (973 Program), Effects of biological invasion on the function of specific ecosystems	leader researcher
2007/01	2010/12	Special Science and Technology Basic Work of the Ministry of Science and Technology, Invasive alien species and their safety in Zhejiang Province	leader researcher

2007/01	2009/12	Scientific Research and Scientific Research Base Construction Project of the Innovation Team of the Ministry of Education, Research on precaution of major forest disease and insect pest and ecological adjustment and control technique	participants researcher
2006/01	2010/12	National Science and Technology Support Program, Study on the risk assessment and control plan of the <i>Hyphantria cunea</i> , <i>Oracella acuta</i> and <i>Dendroctonus valens</i>	leader researcher
2006/01	2007/03	Beijing supports the Central University's scientific research and research base construction project in Beijing, Study on vegetation ecological restoration of main forest types in Beijing mountain area	participants researcher

## Publications

Year	Publication
2018	Patterns of biomass, carbon, and nitrogen storage distribution dynamics after the invasion of pine forests by <i>bursaphelenchus xylophilus</i> , (nematoda: aphelenchoididae) in the three gorges reservoir region
2017	Effect of <i>Bursaphelenchus xylophilus</i> infection on leaf photosynthetic characteristics and resource - use efficiency of <i>Pinus massoniana</i>
	The influence of geographic population, age, and mating status on the flight activity of the asian gypsy moth <i>lymantria dispar</i> , (lepidoptera: erebidae) in china
2016	Evaluation of the effects of light intensity and time interval after the start of scotophase on the female flight propensity of asian gypsy moth (lepidoptera: erebidae)
2015	Differences in wing morphometrics of <i>lymantria dispar</i> (lepidoptera: erebidae) between populations that vary in female flight capability
	Dna barcoding of gypsy moths from china (lepidoptera: erebidae) reveals new haplotypes and divergence patterns within gypsy moth subspecies
	Effects of pine wilt disease invasion on soil properties and masson pine forest communities in the three gorges reservoir region, china
2014	Impact of temperature on postdiapause and diapause of the asian gypsy moth, <i>lymantria dispar asiatica</i>
2013	Effect of pine wood nematode invasion on pine community functions in the Pinghu region, Zhejiang Province, eastern China
	Genetic characterization of the gypsy moth from China (Lepidoptera, Lymantriidae) using inter simple sequence repeats markers
	Rapid detection of red turpentine beetle ( <i>dendroctonus valens leconte</i> ) using nested pcr
	First isolation of pine wood nematode from <i>pinus tabuliformis</i> forests in china
2010	Biological Invasion: Risk Analysis and Early Prevention
2009	Impact of invasion of pine wood nematode on the growth of dominant shrub <i>pleioblastus amarus</i> , in <i>pinus massoniana</i> , communities
	Forest Regeneration: Ecology, Management and Economics



2008	Ecological Restoration of Natural Forest in The Montane Area of Beijing
2006	Niche of insect borers within pinus massoniana, infected by pine wood nematode. Frontiers of Forestry in China
	Stand factors and risk analysis of harm extent of gypsy moths
	Guidebook for management of public-benefit forest

## 11 森林经理 孙玉军



**Yujun Sun**

### Personal information

Current position	Professor
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### Educational background

From	To	University/Institution	Degree and Major
1992	1996	Beijing Forestry University	(Ph.D.)
1984	1987	Northeast Forestry University	(M.S.)
1980	1984	Northeast Forestry University	(B.S.)

### Research projects

From	To	Title of Project	Position

### Publications

Year	Publication
2007	Monitoring and assessment of resource and environment Biomass and carbon sequestration of <i>Larix gmelini</i> young and middle age forest
	Environment capacity of eco-tourism resort
1999	Environment Quality Evaluation on Wuzhi Mountain Studies on criteria for Sustainable Development in Secondary Forests Regions. In Zhao Jingzhu etc. eds.: Studies on Sustainable Development of Social-Economic-Natural Complex Ecosystem
	Comments on forest resources assets management The Theory and Practice towards Sustainable Forest Development
1997	

1996	Impediments and Solutions to Natural Resources for Sustainable Development
1995	Study on timber allowance cutting and protecting on old growth
	Application of system dynamics on eco-development
	Methodology for Forest Survey, Textbook for graduate students
1994	Quantitive study on growth model of red pine
	Variation technique on rotation of natural Larch

## 12 森林保护 田呈明



**Chengming Tian**

### Personal information

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### Educational background

From	To	University/Institution	Degree and Major
1997	2000	Northwest Agriculture and Forestry University	(Ph.D.)
1982	1986	Northwest Agriculture and Forestry University	(B.S.)

### Research projects

From	To	Title of Project	Position
2008/01	2010/12	National Natural Science fund	participator researcher
2017/01	2020/12	National Natural Science fund	leader researcher
2017/01	2020/12	National key research and development plan	leader researcher
2015/01	2018/12	National Natural Science fund	leader researcher
2014/01	2017/12	National Natural Science fund	participator researcher
2012/01	2016/12	Forestry public welfare industry special research	leader researcher
2012/01	2015/12	Forestry public welfare industry special research	leader researcher
2012/01	2015/12	National Natural Science fund	leader researcher
2011/01	2013/12	National Natural Science fund	participator researcher
2010/01	2014/12	Forestry public welfare industry special research	participator researcher
2008/01	2010/12	National Natural Science fund	leader researcher

## Publications

Year	Publication
2018	Families and genera of diaporthean fungi associated with canker and dieback of tree hosts
	<i>Neopestalotiopsis rosicola</i> sp. nov. causing stem canker of <i>Rosa chinensis</i> in China
	Molecular phylogeny of <i>Nectria</i> species associated with dieback and canker diseases in China, with a new species described
	<i>Arthrinium</i> species associated with bamboo and reed plants in China
	High diversity of <i>Diaporthe</i> species associated with dieback diseases in China, with twelve new species described.
	A canker disease of apple caused by <i>Cytospora parasitica</i> recorded in China
	<i>Lasiodiplodia cinnamomi</i> sp. nov. from <i>Cinnamomum camphora</i> in China
	A Cdc42 homolog in <i>Colletotrichum gloeosporioides</i> regulates morphological development and is required for ROS-mediated plant infection
	Two novel species of <i>Cryphonectria</i> from <i>Quercus</i> in China
	<i>Diaporthe</i> from walnut tree ( <i>Juglans regia</i> ) in China, with insight of the <i>Diaporthe eres</i> complex
2017	The C2H2 transcription factor VdMsn2 controls hyphal growth, microsclerotia formation, and virulence of <i>Verticillium dahliae</i>
	Diaporthosporellaceae, a novel family of Diaportheales (Sordariomycetes, Ascomycota).
	Host and geographic range extensions of <i>Melanconiella</i> , with a new species <i>M. cornuta</i> in China
	Melansporellaceae: a novel family of Diaportheales (Ascomycota).
	Aplosporella ginkgonis (Aplosporellaceae, Botryosphaeriales), a new species isolated from <i>Ginkgo biloba</i> in China
	Phylogeny and taxonomy of the scab and spot anthracnose fungus <i>Elsinoë</i> (Myriangiales, Dothideomycetes)
	<i>Diaporthe</i> species occurring on <i>Senna bicapsularis</i> in southern China, with descriptions of two new species
	Functional characterization of two bZIP transcription factors in <i>Verticillium dahliae</i>
2016	Mitogen-Activated Protein Kinase CgMK1 Governs Appressorium Formation, Melanin Synthesis, and Plant Infection of <i>Colletotrichum gloeosporioides</i>
	Phylogeny and morphology reveal two new species of <i>Diaporthe</i> from <i>Betula</i> spp. in China
	<i>Melanconis</i> (Melanconidaceae) associated with <i>Betula</i> spp. in China
	Canker disease of willow and poplar caused by <i>Cryptosphaeria pullmanensis</i> recorded in China
	The mitogen-activated protein kinase gene, VdHog1, regulates osmotic stress

	response, microsclerotia formation and virulence in <i>Verticillium dahliae</i>
	High-resolution transcript profiling reveals shoot abscission process of spruce dwarf mistletoe <i>Arceuthobium sichuanense</i> in response to ethephon
	De novo assembly and transcriptome characterization of spruce dwarf mistletoe <i>Arceuthobium sichuanense</i> uncovers gene expression profiling associated with plant development
	<i>Cryptosporella platyphylla</i> , a new species associated with <i>Betula platyphylla</i> in China
2015	VdCrz1 is involved in microsclerotia formation and required for full virulence in <i>Verticillium dahlia</i>
	Phylogenic analysis revealed an expanded C2H2-homeobox subfamily and expression profiles of C2H2 zinc finger gene family in <i>Verticillium dahliae</i>
	<i>Cytospora</i> from <i>Ulmus pumila</i> in northern China
2014	Morphological and phylogenetic studies of <i>Cytospora</i> (Valsaceae, Diaporthales) isolates from Chinese scholar tree, with description of a new species
	Deep mRNA sequencing reveals stage-specific transcriptome alterations during microsclerotia development in the smoke tree vascular wilt pathogen, <i>Verticillium dahliae</i>

## 13 生态 王襄平



**Xiangping Wang**

### Personal information

Current position	Full Professor
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Mobile	

### Educational background

From	To	University/Institution	Degree and Major
2006	2008	Peking University	(Post doctor) Ecology
2002	2006	Peking University	(Ph.D. ) physical geography
1994	1997	Beijing Forestry University	(M.S.) Ecology
1988	1992	Central China Normal University	(B.S. )Biology

### Research projects

From	To	Title of Project	Position
2019	2022	National Natural Science fund, Allometric relationships at individual and community scales, and their abiotic and biotic modulators, across successional stages and latitudinal gradient of Chinese forests	leader researcher
2017	2020	National Key Research and Development Program, Technology and protocol for investigating terrestrial carbon sink and source	leader researcher
2014	2017	National Natural Science fund, Effects of functional identity and diversity on ecosystem functions during the secondary succession of broadleaf Korean pine forests	leader researcher

## Publications

Year	Publication
2017	What causes greater deviations from predictions of metabolic scaling theory in earlier successional forests?
	Tree-ring widths are good proxies of annual variation in forest productivity in temperate forests
	Effects of biophysical constraints, climate and phylogeny on forest shrub allometries along an altitudinal gradient in Northeast China
	A test of BIOME-BGC with dendrochronology for forests along the altitudinal gradient of Mt. Changbai in northeast China
	Structural bias in aggregated trait variables driven by repeated species co-occurrences: a pervasive problem in community and assemblage data
	Seed mass of angiosperm woody plants better explained by life history traits than climate across China
	Comparison of wood physical and mechanical traits between major gymnosperm and angiosperm tree species in China
2016	Midpoint attractors and species richness: Modeling the interaction between environmental drivers and geometric constraints
	Significant effects of biodiversity on forest biomass during the succession of subtropical forest in south China
2016	Variations of leaf N, P concentrations in shrubland biomes across Northern China: phylogeny, climate and soil
2015	Forest biomass is strongly shaped by forest height across boreal to tropical forests in China
	The relationship between species richness and biomass changes from boreal to subtropical forests in China
	Different effects of regional species pool on plant diversity between forest and grassland biomes in arid northwest China
2014	Contrasting responses of net primary productivity to inter-annual variability and changes of climate among three forest types in northern China
	Scaling of nitrogen and phosphorus across plant organs in shrubland biomes across Northern China
2013	Relative effects of phylogeny, biological characters and environments on leaf traits in shrub biomes across central Inner Mongolia, China
	Forest biomass patterns across northeast China are strongly shaped by forest height
2012	Constraining null models with environmental gradients: a new method for evaluating the effects of environmental factors and geometric constraints on geographic diversity patterns
	Relative influence of regional species richness vs. local climate on local species richness in China's forests
	Multi-scale patterns of forest structure and composition in relation to climate in Northeast China
	Forest community survey and the structural characteristics of forests in China



	The influence of species pools and local processes on the community structure: a test case with woody plant communities in China's mountains
	Patterns of plant beta-diversity along elevational and latitudinal gradients in mountain forests of China
	Geographical patterns of community- based tree species richness in Chinese mountain forests: The effects of contemporary climate versus regional history
2011	Altitudinal patterns of stand structure and herb layer diversity of <i>Picea schrenkiana</i> forests in the central Tianshan Mountains, Northwest China
2010	Altitudinal changes in carbon storage of temperate forests in Mt. Changbai, Northeast China
	Taxonomic identity, phylogeny, climate and soil fertility as drivers of leaf traits across Chinese grassland biomes
	Environmental factors covary with plant diversity–productivity relationships among Chinese grassland sites
2009	Relative importance of climate vs. local factors in shaping the regional patterns of forest plant richness across Northeast China
	Taxonomic, phylogenetic and environmental tradeoffs between leaf productivity and persistence
	Chapter 6: Exploring patterns of plant diversity in China's mountains. In: E. M. Spehn & C. Korner (eds.), Data mining for global trends in mountain biodiversity
	Quantifying the response of forest carbon balance to future climate change in Northeastern China: Model validation and prediction
2008	Forest biomass and root-shoot allocation in northeast China
	Leaf nitrogen: phosphorus stoichiometry across Chinese grassland biomes
2006	Climatic control of primary forest structure and DBH-height allometry in Northeast China
	Climatic control on forests and tree species distribution in the forest region of Northeast China
	A test of the generality of leaf trait relationships in the high altitude of the Tibetan Plateau
2006	Overestimated biomass carbon pools of the northern mid- and high latitude forests

## 14 森林保护 王永林



### Personal information

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### Educational background

From	To	University/Institution	Degree and Major
Sep. 2004	Jul. 2009	Nanjing Agricultural University	Ph.D Plant Pathology
Sep. 2000	Jul. 2004	Gansu Agricultural University	B.A. Plant Protection

### Research projects

From	To	Title of Project	Position	Project Description
2016	2020	Functional genomics of smoke tree wilt fungus <i>Verticillium dahliae</i>	PI	Functional genomics

### Publications

Year	Publication
2018	Genome-wide transcriptome profiles reveal how <i>Bacillus subtilis</i> lipopeptides inhibit microsclerotia formation in <i>Verticillium dahliae</i> . <b>Molecular Plant-Microbe Interactions.</b>
2018	The transcription factor VdHapX controls iron homeostasis and is crucial for virulence in the vascular pathogen <i>Verticillium dahliae</i> . <b>mSphere</b>
2018	Transcription factor VdCmr1 is required for pigment production, protection from UV irradiation, and regulates expression of melanin biosynthetic genes in <i>Verticillium dahliae</i> . <b>Microbiology</b>
2017	The two-component response regulator VdSkn7 plays key roles in microsclerotial development, stress resistance and virulence of <i>Verticillium dahliae</i> . <b>Fungal Genetics and Biology</b>
2017	Functional characterization of two bZIP transcription factors in <i>Verticillium dahliae</i> . <b>Gene</b>
2017	The C <sub>2</sub> H <sub>2</sub> transcription factor VdMsn2 controls hyphal growth, microsclerotia formation, and virulence of <i>Verticillium dahliae</i> . <b>Fungal Biology</b>

## 15 森林保护 温俊宝



**Junbao Wen**

### Personal information

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### Educational background

From	To	University/Institution	Degree and Major
2000	2003	Beijing Forestry University	Ecology (Ph.D.)
1990	1993	Beijing Forestry University	Forest conservancy (M.S.)
1986	1990	Beijing Forestry University	Forest conservancy (B.S.)

### Research projects

From	To	Title of Project	Position

### Publications

Year	Publication
2018	A test of the Australian Weed Risk Assessment system in China
	Phototactic behaviour of <i>Eucryptorrhynchus scrobiculatus</i> and <i>E. brandti</i> (Coleoptera: Curculionidae) adults*
	Evaluation of trap designs and food attractants for trapping <i>Eucryptorrhynchus scrobiculatus</i> (Coleoptera: Curculionidae)
	Control of <i>Eucryptorrhynchus scrobiculatus</i> (Coleoptera: Cuculionidae), a Major Pest of <i>Ailanthus altissima</i> (Sapindales: Simaroubaceae), Using a Modified Square Trap Net.
	The Eclasion and mating behavior of the White Star Turtle
2017	Micro-habitat niche differentiation contributing to coexistence of <i>Eucryptorrhynchus scrobiculatus</i> Motschulsky and <i>Eucryptorrhynchus brandti</i> (Harold)*

	A method for calculating the angle between the front wings in three dimensional attitude of moths based on machine vision
	Characteristics and application prospects of the natural enemy of Chinese beetle mite, the natural enemy of forest borer in China
	Oviposition behaviour of <i>Eucryptorrhynchus brandti</i> (Coleoptera: Curculionidae: Cryptorrhychinae) on <i>Ailanthus altissima</i> (Mill.) Swingle (Sapindales: Simaroubaceae)
	Preliminary report on the development of food source attractant for orbital elephants
	The characteristics of four kinds of sound behavior of two species of beetle larvae
	Preliminary report on <i>Eucryptorrhynchus scrobiculatus</i> food attractant
2016	Host-independent artificial rearing of <i>Eucryptorrhynchus brandti</i> (Coleoptera: curculionidae)
	Population dynamics and ratio of male and female of the adult beetle in alien environment
	Analysis of microsatellite characteristics of transcriptome in orbital sulcus
	Determination of the developmental threshold temperature and effective accumulated temperature of sulcus orbital image
	Acoustical detection of the larval population of <i>Anophylla auriculata</i> in the tree segment of poplar
	Analysis of sound characteristics of 7 species of tree stem borers
2015	<i>Valsa</i> canker fungus plays an important role in <i>Euzophera pyriella</i> (Lepidoptera: Pyralidae) growth and development
	Effect of supplementary nutrition on fecundity of orbital weevil
	Space-time Dynamics of <i>Dendroctonus valens</i> Population in China and Spatial Sampling Technique based on Its Spatial Distribution Pattern
	Application of a frequency distribution method for determining instars of (Coleoptera: Curculionidae) from several morphological variables
	Construction of plant disease specimen management system
2014	Comparison of Acoustic Characteristics of <i>Gnathotrichus materiarius</i> and <i>Gnathotrichus sulcatus</i>
	Risk Analysis of Cherry Drosophila ( <i>Drosophila suzukii</i> ) to Xinjiang
	Effects of bark inclusions on host selection of <i>Pyrus indica</i>
2013	Antennal sensilla of <i>Eucryptorrhynchus chinensis</i> (Olivier) and <i>Eucryptorrhynchus brandti</i> (Harold) (Coleoptera: Curculionidae)
	The Spatial Distribution of the fragrant Pear Borer in Korla Pear Garden
	Preliminary study on the selection of Chinese beetle mites to hosts
	A method for distinguishing male and female adults of orbital sulcus
	Oviposition choice and mechanisms of <i>Holcocerus hippophaecolus</i> on different Sea Buckthorn trees
	Time allocation and activity Rhythm of Behavioral activities of large-spotted woodpeckers in captivity
2012	Influence of Food Patch Quality on the Foraging Behavior of Great Spotted Woodpecker in Winter
	Effects of main Meteorological factors on Eclosion rate of overwintering flies of Turpan jujube

	The growth area of pine wood nematode in China
	Effects of global warming on overwintering of pine caterpillar larvae and occurrence of upper and lower trees
	Phylogenetic relationship of seven <i>Dendrolimus</i> (Lepidoptera: Lasiocampidae) species based on the ultrastructure of male moths' antennae and antennal sensilla
	Comparison among the ultrastructures and characteristics of wing scales in 5 species of pine caterpillar moths
	Effects of patch quality on foraging behavior of large woodpeckers in winter
	The Spatial Distribution of Rot Disease of Pear on the Tree body of fragrant Pear
	Risk Analysis of <i>Hippophae rhamnoides</i> to Xinjiang
	Ultrastructural observation and comparison of wing scales of 5 species of <i>Dendrolimus</i> spp.
2011	Mechanisms underlying host plant selection by <i>Holcocerus hippophaecolus</i> adults.
	Advances in Bird Habitat Research
	Risk assessment of fruit fly in China
	The changes of the damage characteristics of <i>Rhizoctonus chinensis</i> introduced into China
	Synergistic effect of Verbenone and 3-carene on the Heterotaxis of <i>Rhizoctonus macrocephalus</i>
	Progress in insect Ecology Research. A preliminary study on the Teaching Reform of the course
	Risk analysis of grape Blain disease in Xinjiang
	Application of modified Grey Model in Prediction of Forest Biological disaster area
2010	Trade countermeasures to prevent and control biological invasion.
	Research progress of quarantine pest <i>Carpomya vesuviana</i>
	Hemolymph changes of the larvae of <i>C. sinensis</i>
	Trade countermeasures to control invasive alien species
	Review on monitoring technology of the insect acoustic
	Woodpecker artificial Bird Nest processing equipment and its improvement
	Analysis on the risk of <i>C. japonica</i>
	Economic analysis and internalization countermeasures of externality of biological invasion
	A study on spatial distribution and sampling techniques of <i>Rhizoctonus chinensis</i> [
	The spatial distribution pattern and sampling technique of <i>Dendroctonus valens</i> in Beijing
	The History of American legislation on Biological invasion and its Enlightenment
	Selection of spawning for different species of <i>Agroderma rhamnoides</i>
	On the relationship between entry and exit phytosanitary and domestic phytosanitary
	Tolerance of different species to APHIS <i>rhamnoides</i>
	Advances in sound monitoring of pests
	History and Enlightenment of alien species invasion
	American Model Law on Biological invasion and its Enlightenment to China
Effects of leaf shearing injury on the diurnal variation of volatile composition and release rate of fluffy wax	

	The larva of <i>Cunninghamia sinensis</i> [J] was controlled by mites and <i>Coprinus tubuli</i>
	A preliminary study on the Potentiality of different wavelengths of Black Lamp in the Adult of <i>Dendroctona officinalis</i>
	Inspirations of U. S. State Model Law on Invasive Species to China
	Economic Analysis and Internalizing Policies for the Externality of Biological Invasion
	Utilization the <i>Pyemotes</i> sp. and <i>Scleroderma guani</i> Xiao et Wu to control the larvae of <i>Semanotus bifasciatus</i>
	Study on the genetic relationship of Lepidoptera insects using Ultrastructure
2009	Occurrence of <i>Carpomya vesuviana</i> in Turpan region
	The developmental threshold temperature and the effective accumulated temperature of <i>Carpomya vesuviana</i> pupae
	Infestation and control of poplar clearwing moth <i>Paranthrene tabaniformis</i> in the stump of poplar
	Chemical control of <i>Apriona germari</i> , (Hope) larvae with zinc phosphide sticks
	Progress in the study of parasitic natural enemy <i>Pachymite</i>
	The occurrence regularity of fruit fly of jujube in Turpan area
	Potential risk assessment of a new invasive pest, <i>Leptocybe invasa</i> , to the mainland of China.
	Subdivision and legal regulation of the afferent types of exotic pests
	Refined Classification of IAS Invasion and Implication for Regulation Development
	The starting temperature and effective accumulated temperature of pupal development of jujube fruit fly
	Three typical models of Foreign Biological intrusion Management system Reform Taking New Zealand, the United States and Japan as examples
	Advances in researches on the <i>pyemotes</i> parasitoids
	Harm and Control of <i>Populus perpendiculata</i> on Poplar truncation
	A preliminary report on the technique of sound detection for ( <i>Semanotus bifasciatus</i> ) larvae of <i>Cunninghamia sinensis</i>
	Risk assessment of the new invasive species of <i>Eucalyptus</i> ( <i>Eucalyptus</i> )
2008	Seasonal diet of the Great Spotted Woodpecker ( <i>Picoides major</i> ) in shelterwood plantations of Wulate Qianqi County, Inner Mongolia
	Functional response and numerical response of great spotted woodpecker <i>Picoides major</i> on Asian longhorned beetle <i>Anoplophora glabripennis</i> larvae
	Effective accumulated temperature and developmental threshold temperature for <i>Semanotus bifasciatus</i> (Motschulsky) in Beijing
	Present situation of study on large spot woodpecker
	Nest-cavity characteristics of the Great Spotted Woodpecker <i>Dendrocopos major</i> in shelter plantations of west Inner Mongolia
	The Reform of Comprehensive practice in Forest Resources Conservation and Recreation Specialty
	The effect of dry stand on the survival and reproduction of large woodpecker
	Experiment on the control of adult beetles of <i>Cunninghamia bicolor</i> by spraying baited wood with insecticide

	Summer and winter daytime behavior patterns of large-spotted woodpeckers under farmland forest network
	Selective predation by large-spotted woodpeckers in winter
	Risk Analysis of Hazard of <i>Hippophae rhamnoides</i>
2007	Strategies for classification and management of alien species in Japan
	A preliminary study on the predation effect of large spot woodpecker on the larva of <i>Ceratophora auriculata</i>
	The "memory effect" in the selection of adult beetles
2006	Decision-making and integrated benefit evaluation of resistance to <i>Anoplophora glabripennis</i> disaster by reasonable allocation with different tree species
	A geostatistical study on spatial pattern of <i>Anophylla auriculata</i> in different allocation models
	Niche Analysis of large spot Woodpecker and <i>Anophylla auriculata</i> in the former Banner of Wulat, Inner Mongolia
	Effects of different mixed models of <i>Populus Sinensis</i> on the damage and Forest growth of <i>Liriodendron officinalis</i>
	Risk assessment of a new invasive species, <i>Astragalus punctata</i> , in China
	Forest Hazardous Pest <i>Puccinia carinifera</i>
	Advances in the study of stem hazard and control measures of <i>Pinus sibirica</i>
	Risk assessment of a new invasive species, <i>Astragalus punctata</i> , in China
	Disaster-resistant threshold to <i>Anoplophora glabripennis</i> by reasonable allocation of varied tree species
	Benefit Evaluation and decision making of reasonable allocation of multiple Tree species to resist the disaster of <i>Anophylla auriculata</i>
	Geostatistical study on the spatial pattern of <i>Anoplophora glabripennis</i> in three types of stands
2005	A new invaded beetle, <i>Agrilus planipennis</i> in North America
	Risk Assessment of <i>Rhizoctonus grandiflorum</i> , American White Moth and <i>Ruccinia rustinii</i>
	Geostatistical analysis of the spatial distribution of egg and larva of <i>Bombyx rhamnoides</i>
	Risk Analysis Model of Major exotic pests in Beijing region
	Theory and practice of Teaching Reform of Forest Pest Control
	A new alien invasive species in North America, <i>Cervus mandshurica</i>
2004	A simple and convenient method used in identifying the sex of <i>Anoplophora glabripennis</i> (Motsch.) adults
	A simple and convenient method for the identification of male and female adults of <i>Ceratopsis auriculata</i>
2003	Current situation of research and control on Poplar Longhorned Beetle, especially for <i>Anoplophora glabripennis</i> in China
	A preliminary study on the Teaching Reform of an introduction to Forest Protection
	Review on the Research Progress of Pest risk Analysis
	Experiment on control of adult beetle of Poplar beetle with drying agent
	Efficacy of trunk coating insecticides in the controll of poplar longhorned beetles

	Current Situation of Research and Control on Poplar Longhorned Beetle, especially for <i>Anoplophora glabripennis</i> in China
	Major Forest Biological disasters in China
2002	Studies on population dynamics and tree species resistance mechanism of <i>C. auriculata</i>
	Pay attention to the impact of biological invasion
	Theory and Technology of Ecological Regulation of Poplar beetle disaster in Shelterbelt
	Theory and Technology of Ecological Regulation of Poplar disaster in Shelterbelt
	Flower disease and pest diagnosis and treatment atlas
	Picture of plant diseases and insect pests in garden
2001	Advances in risk Analysis of Forest Pest
2000	Application of isozyme analysis on resistance of three species of poplar to <i>C. auriculata</i>
	Pay attention to the influence of biological invasion (I)
	Attention to the effects of biological invasion ( II )
1999	The attracting effect of <i>Acer negundo</i> Linn. on <i>Anoplophora glabripennis</i> (Motsch.) adults
	Preliminary report on the effect of <i>Acer mongolicum</i> L. on the Trap of <i>Anophylla auriculata</i> in Protective Forest
	Wood Anatomical structure and Resistance Mechanism of 9 species of Tree species to Poplar Gauper
	A preliminary study on the quantitative Index of Poplar shoot withered caused by the harm of <i>Anophylla auriculata</i>
1998	Studies on <i>Cecidomyia weni</i> Jiang
	The relationship between the damage degree of Poplar and the thickness of Tree Bark
	Studies on the gall midge of <i>Pinus tabulaeformis</i>
	The effect of the damage to <i>Pinus tabulaeformis</i> on the growth of <i>Pinus tabulaeformis</i> in seed Orchard
	Studies on the distribution pattern of adult beetles of Poplar (Poplar)
1997	Analyses of cone life table of <i>Pinus tabulaeformis</i> Carr. and the yield and quality of cones damaged by insect
	Cone Pest and its Control in seed Orchard of <i>Pinus tabulaeformis</i>
1996	Field Guide /Manual on the Identification and Management of Poplar Pests and Diseases in the Area of the “Three North 009 Project”(North-Eastern China)



## 16 森林保护 武三安



**Sanan WU**

### Personal information

Current position	Associate Professor
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### Educational background

From	To	University/Institution	Degree and Major
1994	1997	Graduate school of Chinese Academy of Agricultural Science	Agricultural Entomology ( Ph.D. )
1993	1986	Northwestern Agricultural University	Agricultural Entomology (M.S.)
1979	1983	Shanxi Agricultural University	Plant protection (B.S.)

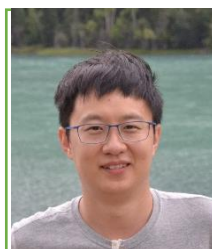
### Research projects

From	To	Title of Project	Position
2018/01	2021/12	National Natural Science fund, Taxonomic study on Chinese Pulvinarinii (Hemiptera: Coccoidea: Coccidae) based on morphological and molecular data	leader researcher
2014/01	2017/12	National Natural Science fund, Study on classification and phylogeny of Chinese Pseudococcinae (Hemiptera: Coccoidea: Pseudococcidae)	leader researcher
2011/01	2013/12	National Natural Science fund, Study on classification and phylogeny of Chinese Eriococcidae (Hemiptera: Coccoidea)	major researcher
2009/01	2011/12	National Natural Science fund, Taxonomic study on Chinese Rhioecinae (Hemiptera: Coccoidea: Pseudococcidae)	leader researcher

## Publications

Year	Publication
2018	Are the monophlebid genera <i>Drosichoides</i> Morrison and <i>Buchnericoccus</i> Reyne synonyms? (Hemiptera, Coccoomorpha, Monophlebitidae)
	Descriptions of the adult male, prepupa and pupa of <i>Xylococcus castanopsis</i> Wu & Huang (Hemiptera: Coccoomorpha: Xylococcidae)
	A new species of <i>Leptopulvinaria</i> Kanda from China, with a key to species (Hemiptera, Coccoomorpha, Coccidae)
2017	A study of genus <i>Paraputo</i> Liang, 1929 of China, with description of two new species (Hemiptera: Sternorrhyncha, Coccoomorpha)
	First-records of the family Xylococcidae (Hemiptera: Coccoomorpha) in China, with description of a new species
	A review of species recognition in the <i>Phenacoccus aceris</i> species-group (Hemiptera: Coccoomorpha: Pseudococcidae) using molecular and Morphological data
2016	DNA Barcoding of Mealybugs (Hemiptera: Coccoidea: Pseudococcidae) From Mainland China
	Molecular identification of two morphologically similar <i>Eulecanium</i> species: <i>E. giganteum</i> and <i>E. kuwanai</i> (Hemiptera: Coccidae)
2015	DNA barcoding of common soft scales (Hemiptera: Coccoidea: Coccidae) in China
	Description of the immature stages of <i>Kuwanina betula</i> Wu & Liu, with a discussion of its placement in the Acanthococcidae family group (Hemiptera: Coccoidea)
	Pest control on ornamental plants (3 <sup>rd</sup> edition)
2013	Cophylogenetic relationships between <i>Anicetus</i> parasitoids (Hymenoptera: Encyrtidae) and their scale insect hosts (Hemiptera: Coccidae)
2012	A review of the genus <i>Antonina</i> Signoret in China (Hemiptera: Coccoidea: Pseudococcidae), with description of a new species
	<b>DNA barcoding of six <i>Ceroplastes</i> species (Hemiptera: Coccoidea: Coccidae) from China</b>
	<i>Neogreenia lonicera</i> sp. nov., a new species of Margarodidae <i>sensu lato</i> (Hemiptera: Coccoidea) from China, with a key to species of <i>Neogreenia</i> MacGillivray and placement of the genus in the family Kuwaniidae
2009	Checklist and faunistic analysis of scale insect pests (Hemiptera: Coccoidea) in Chinese mainland. (In Chinese)
	Scale insects and their natural enemies of Ningxia Hui Autonomous Region of China
2007	Pest control on ornamental plants (2 <sup>nd</sup> edition)

## 17 森林经理 向玮



**Wei Xiang**

### Personal information

Current position	Associated Professor
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### Educational background

From	To	University/Institution	Degree and Major
2009	2013	Lakehead University	Ph.D. Major: Forest Sciences.
2006	2009	Chinese Academy of Forestry	M.S. Major: Forest Management.
2002	2006	Central South University of Forestry and Technology	B.S. Major: Forestry.

### Research projects

From	To	Title of Project	Position	Project Description
2017	2020	National key research and development projects	leader researcher	Tending and regenerating technology of <i>Picea-Abies</i> forest
2016	2018	National Natural Science fund	leader researcher	Modelling effects of thinning and climate on growth ring density in <i>Larix olgensis</i>

### Publications

Year	Publication
2019	Xiang W, Hasegawa M, Franceschini T, Leitch M, Achim A, 2019. Characterising wood density-climate relationships along the stem in black spruce ( <i>Picea mariana</i> (Mill.) B.S.P.) using a combination of boosted regression trees and mixed-effects models. <i>Forestry</i> .
2017	Cui S, Xiang W*, 2017. Effects of thinning and climate factors on <i>Larix olgensis</i> tree ring width. <i>Scientia Silvae Sinicae</i> , 53, 1-11.
2016	Xiang W, Lei X and Zhang X, 2016. Modelling tree recruitment in relation to climate and competition in semi-natural <i>Larix-Picea-Abies</i> forests in northeast China. <i>Forest Ecology and Management</i> , 382, 100-109

2014	Xiang W, Leitch M, Auty D, Duchateau E, Achim A, 2014a. Radial trends in black spruce wood density can show an age- and growth-related decline. <i>Annals of Forest Science</i> , 71(5), 603-615
2014	Xiang W, Auty D, Franceschini T, Leitch M, Achim A, 2014b. Wood density-climate relationships are mediated by dominance classes in black spruce ( <i>Picea mariana</i> (Mill.) B.S.P.). <i>Forests</i> , 5(6), 1163-1184

## 18 森林培育 徐程扬



**Chengyang Xu**

### Personal information

Current position	Professor
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### Educational background

From	To	University/Institution	Degree and Major
1996	1999	Beijing Forestry University	(Ph.D.) Silviculture (Agriculture)
1989	1991	Northeastern Forestry University, Haerbin, China	(M.Sc.) Silviculture (Agriculture)
1982	1986	North Chinese University, Jilin, China	(B.Sc.) Forest Science (Agriculture)

### Research projects

From	To	Title of Project	Position
2014	2018	Indicators and methods for assessment on landscape quality of periurban forest in beautiful county, 2014-2018, one subproject of Demonstration and Study on key techniques for establishment and management of suburban forest in beautiful county, Forestry public welfare project	Leader
2012	2014	Study on rationality of stand structure of typical urban forest in Beijing, Beijing Education Commission	Leader
2011	2014	Key techniques for landscape quality enhancement and resources conservation of forests in forest park, Forestry public welfare project	Leader

2011	2013	Study on structural modulation techniques for landscape and protective forest in urban and county, one task of Establishment techniques for landscape and protective forest in urban and county, the 12th Five-Year Plan Science and Technology support Project of Forestry	Leader
2006	2010	Key techniques for scenic forest management in periurban in Beijing, one subtask of key techniques for establishment and management of urban forest in human settlement, the 11th Five-Year Plan Science and Technology support Project of Forestry	Leader
2006	2008	Mechanisms on responses of soil nitrogen availability on tree root respiration, The National Natural Science Fund	Leader
2006	2007	Demonstration and study on models for new rural towns greening in Beijing, Beijing Agriculture Commission	Leader
2007	2009	Demonstration and study on key techniques for development of forest park ring in isolating area in Beijing, one sublect of Demonstration and study on key techniques for development of liveable urban green spacing system in Beijing, Beijing science and technology committee	Leader
2006	2007	Demonstration and Study on Key Techniques for ecological forest management in Beijing, Beijing Agriculture Committee	Leader
2016	2016	Assessment of National Forest City Construction in Changzhou, Changzhou Agriculture Committee,	Leader
2016	2016	Assessment of Master Planning for National Forest City Construction in Panzhihua (Revision) (2013-2025), Panzhihua Municipal Forestry Bureau	Leader
2015	2015	Assessment of Master Planning for National Forest City Construction in Shiyao, Shiyao Municipal Forestry Bureau	Leader
2015	2015	Assessment of Master Planning for National Forest City Construction in Jingmen, Jingmen Municipal Forestry Bureau	Leader
2014	2014	Master Planning for National Forest City Construction in Changzhou, Jiangsu Province (2014-2025), Changzhou Agriculture Committee	Co-Leader
2014	2014	Master Planning for National Forest City Construction in Tongliao, Inner Mongolia Autonomous Region (2013-2025), Tongliao Municipal Forestry Bureau	Co-Leader
2014	2014	Master Planning for National Forest City Construction in	Co-Leader

		Panzhuhua (Revision) (2013-2025), Panzhihua Municipal Forestry Bureau	
2008	2008	Master Planning for National Forest City Construction in Chifeng (2008-2015), Chifeng Municipal Forestry Bureau	Leader

### Publications

Year	Publication
2018	Rapid Estimation of Stomatal Density and Stomatal Area of Plant Leaves Based on Object-Oriented Classification and Its Ecological Trade-Off Strategy Analysis
	Response of plant functional traits and leaf economics spectrum to urban thermal environment
	Effects of PP333 and TIBA on root morphology and root activity of <i>Euonymus japonicus</i>
	Fast estimation of stomatal density and stomatal area of plant leaves based on eCognition
	Affects of Shrub Pruning on Scenic Beauty of in-forest landscape quality of secondary forest in Northeast China
	Study on Quantitative Assessment of Ginkgo biloba Tree Health Based on Characteristics of Leaf Spectral Reflectance
2017	Root morphological plasticity determining the adaptive strategies of <i>Cotinus coggygia</i> seedlings in barren soil environment
	Analysis on cold-resistance mechanisms of four exotic Linden species during spring in Dalian
	In-forest Landscape Quality Improvement Techniques in Northeast Secondary Forest Park
2016	Assessment on in-forest quality of landscape forest in residential area in Beijing. <i>Journal of Northwest Forestry University</i>
	Characteristics of In-forest Landscape Patch Types of Recreational Landscape Forest in Urban and Suburban Area
2015	A satisfaction analysis of the infrastructure of country parks in Beijing
	Evaluating the Scenic Beauty of Individual Trees: A Case Study Using a Nonlinear Model for a <i>Pinus Tabulaeformis</i> Scenic Forest in Beijing, China
	Non-linear scenic beauty model of scenic <i>Platycladus orientalis</i> plantations based on in-forest color patches
	Short-Term Responses of Leaf Gas Exchange Characteristics to Drought Stress of <i>Cotinus coggygia</i> Seedlings
	Effects of scale and structure of urban forest in lowering air temperature and increasing humidity in summer in Beijing
	Differences in water use efficiency of <i>Abies holophylla</i> seedlings from seven provenances under water stress
2014	Short-term responses of root morphology to drought stress of <i>Cotinus coggygia</i> seedlings from four varied locations in northern China

	A Review on Application Development of Remote Sensing Technology in Landscape Quality Assessment of Scenic Forest
	Tree Classification for <i>Pinus tabulaeformis</i> Scenic Plantation
	Color patches of in-forest based study on planted <i>Pinus tabulaeformis</i> scenic forest quantitative classification
	Assessment and model research on scenic forest individual tree landscape quality in broadleaved and Korean pine mixed forests
	Seed Quality Difference of <i>Abies holophylla</i> Maxim from Different Provenances in Eastern Liaoning Province
	Effect of late-season fertilization on nutrient reserves and carbohydrate accumulation in bareroot <i>Larix olgensis</i> seedlings
	Short-term responses of root morphology to drought stress of <i>Cotinus coggygia</i> seedlings from four varied locations in northern China
	Color Patches of In-forest Based Study on Planted <i>Pinus tabulaeformis</i> Scenic Forest Quantitative Classification
	Application of Analytic Hierarchy Process to the Evaluation of In-forest Landscape Quality in Scenic Forest
2013	Effects of Configuration Models and Tree Species Composition on Fine Root Morphological Traits of Typical Urban Forests in Beijing
	Exponential nutrient loading shortens the cultural period of <i>Larix olgensis</i> seedlings
	Response of carbon and nitrogen allocation in two hybrid poplar clones to soil nitrogen in Northern China
	Effects of Soil Compaction on Fine Root Morphology of Triploid Chinese White Poplar
	Research Progress in Ancient Trees Health Assessment
	The effect of N : P supply ratio on P uptake and utilization efficiencies in <i>Larix olgensis</i> Henry
	Spatial Heterogeneity of Soil Nutrients in Broad-Leaved Korean Pine Forest Based on Geostatistic Analysis
	Spatial Variation of Photosynthesis in Canopy of Triploid <i>Populus tomentosa</i>
	Effects of Pruning Intensity on In-forest Landscape of <i>Platycladus orientalis</i> and <i>Pinus tabulaeformis</i> Plantations
	Research Progress of Biodiversity Monitoring on Different Scales
2012	Research Progress of the Relationship Between Keystone Species and the Dynamic of Community in Forestry Ecosystem
	Evaluation of Green Landscape in College Campuses Based on a Combined AHP-TOPSIS Method
	Advance Study on Fine Root Decomposition in Forest
	Morphological Responses of <i>Picea koraiensis</i> and <i>Pinus tabuliformis</i> Root to Different $\text{NH}_4^+/\text{NO}_3^-$ Fertilization
	Adaptability of Eleven Tree Species Based on Root Characteristics in Daxing Sandy Land, Beijing



	Organic amendment and inorganic fertilization affect soil properties and quality of <i>Larix olgensis</i> bareroot stock
2011	Litter Reserve and Water-Holding Capacity for Major Secondary Forest Communities in Changbai Mountains
	Classification and Characteristics of Country Parks in Beijing
	Evaluation of Landscape Tree Species in Beijing Based on Grey Relation Method
	Assessment on Structural Quality of Landscapes in Green Space of Beijing Suburban Parks by SBE Method
	Seasonal dynamics of litter accumulation in major forest communities on the northern slope of Changbai Mountain, Northeast China
	Effects of controlled-release fertilizer and organic amendment on the construction of nutrients reserves in <i>Larix olgensis</i> container seedlings
	Current Development and Prospect on Late-Season Fertilization to Tree Seedling
	Effects of Nitrogen and Phosphorus on Biomass Accumulation of <i>Populus × euramericana</i> cv. "74/76" Cuttings
	The Diurnal Variation and Influence Factors of VOC of <i>Platycladus orientalis</i> in Spring
	Root respiration of <i>Fraxinus mandushurica</i> and its controls in broadleaf-Korean pine mixed forest in Changbai mountains
	Leaching of Mineral Nitrogen and Available Phosphorus during Culture of Bareroot <i>Larix olgensis</i> Seedlings under Native Fertilizer Management in Northeastern China
2010	Nutrient uptake of <i>Larix olgensis</i> seedlings in response to different exponential regimes
	Relationships Between Root Morphological Plasticity and Heterogeneous N for <i>Larix olgensis</i> Seedling
	Seasonal Dynamics and Influence Factor of Root Respiration of <i>Fraxinus mandushurica</i> in the Changbai Mountain
	Effects of canopy position on photosynthesis physiological characteristics of triploid clones of <i>Populus tomentosa</i>
	Advances in Study on Seedling Exponential Fertilization Regime
	Review on Mechanisms of Physiological Modulation in the Process of Seed Dormancy and Germination
	Dynamic kinetic characteristics of different forms of nitrogen absorbed by <i>Larix olgensis</i> seedling
	Root respiration of <i>Fraxinus mandushurica</i> and its controls in broadleaf-Korean pine mixed forest of Changbai mountains
	Plant Composition of Typical Country Parks in Beijing
	Residents' Satisfaction on Country Parks in Beijing
	The density effect of <i>Platycladus orientalis</i> plantation in Beijing area
	The potential of available land resources for urban forest establishment

	Logos of urban forest construction in Chifeng
	Planning of Urban forest construction in Chifeng
	Current Situations and Problems in the Agroforestry Management Model of Poplar Plantation in China
2009	Seasonal dynamics of root respiration of <i>Fraxinus mandshurica</i> Rupr. seedlings with different nitrogen rates
	Influence of stock density on crown structure of <i>Prunus davidiana</i>
	Relationship between visitor's tour and state of mental health in Fuzhou National Forest Park
	Review on Classification of urban vegetation
2008	Accumulation of Heavy Metal Elements in Urban Roadside Shrubs in Beijing
	Review on Quality Assessment and Management of Scenic and Recreational Forest
	Impacts of Canopy Closure on Undergrowth and Landscape in Scenic Recreational forest a Case Study of <i>Platycladus orientalis</i> - <i>Robinia pseudoacacia</i> forest in Beijing
	Response of Tree Root Respiration and Morphology to the Supply of Nitrogen
	Root morphology of three greening conifer species in Beijing
2007	An Overview of Benefit Evaluation of the Conversion of Cropland to Forest Project
	Effects of stand density and site types on root characteristics of <i>Platycladus orientalis</i> plantations in Beijing mountainous area
	Undergrowth vegetation niche in scenic-recreational forest communities of <i>Platycladus orientalis</i> and <i>Robinia pseudoacacia</i> in Beijing suburb
	Effects of Nitrogen and Phosphorus on Photosynthesis of <i>Populus×euramericana</i> cv."74/76"
	Development Trend on Urban Forestry in China and Overseas
	Reviews on Root Respiration and It Responses to Environment Changes
2006	Analysis on the Dynamic Changes of Forest Resources and Sustainable Development in Beijing
	Effects of the ratio of nitrogen to phosphorus on leaf photosynthesis of <i>Fraxinus mandshurica</i> seedlings
2005	Primary Study on Distribution Pattern Change of <i>Pinus tabulaeformis</i> and <i>Platycladus orientalis</i> Plantations in Mountainous Area of Beijing
	Effect of thinning on Soil Moisture Properties of <i>Platycladus orientalis</i> Plantations in Mountainous Area of Beijing
	Affects of Nitrogen and phosphorus on plant leaf photosynthesis and carbon partitioning
	Soil Moisture Content and Physical and Chemical Properties of Young <i>Platycladus orientalis</i> Stands in Beijing Mountain Area
	Research and application advances in leaf area index (LAI)
2004	A Study on Vegetation Restoration Technique in Arid and Semi-arid Stony Hillside Difficult Site

2003	On Ecological Civilization
2002	Study on rooting mechanism of <i>Juglans mandshurica</i> cuttings: Leaves photosynthetic characteristics
2001	Leaf movement and sunlight interception of <i>Tilia amurensis</i> seedlings
	Leaf Photosynthetic Characteristics of <i>Tilia amurensis</i> Seedlings
	Response of structural plasticity of <i>Tilia amurensis</i> sapling crowns to different light condition
	The impacts of different destructive activities on the vegetation of fix sand dune
2000	Application of hyperspectral remote sensing to monitoring desertification
	Study on rooting mechanisms of <i>Juglans mandshurica</i> cuttings. –Leaf photosynthetic characteristics of cuttings
1999	The Impacts of Vegetative Management on the Productivity of Plantations
	Biomass allocation and assimilating efficiency of natural <i>Tilia amurensis</i> saplings in response to different light regimes
1998	Dynamics of Rooting Inhibitor in Branches and Cuttings of <i>Juglans mandshurica</i>
	On the Application of New Herbicide in young plantation Land
	Preliminary Study on propagation of <i>Juglans mandshurica</i> using cuttings
1997	Study on structural characteristics of natural <i>Pinus densiflora</i> population
1995	Study on thinning intensity of <i>Populus mandshurica</i> plantation
	Study on community characteristics of natural <i>Pinus sensiflora</i> forests in Changbai Mountain area
	The Relationships between Thinning Strategy and intraspecific competition for <i>Populus mandshurica</i> plantation
1993	A Comprehensive Analysis on the Regeneration Population of Natural Japanese Red Pine Forest
1992	Relationships between growth of natural <i>Pinus densiflora</i> and <i>Pinus xingkaiensis</i> forest and environment
1991	Study on application values of <i>Pinus densiflora</i> forest in Yanbian
	Study on Root Respiration Characteristics of Fraxinus Mandshurica
2015	
1994	New technologies for forest management
2010	Seedling culture of forest tree species
2005	Strategies for water source configuration, construction of ecological environment, and sustainable development in Northwestern China ( Integrate volume )
	Strategies for water source configuration, construction of ecological environment, and sustainable development in Northwestern China ( Ecological environment volume )

	Strategies for water source configuration, construction of ecological environment, and sustainable development in Northeastern China ( Integrate volume )
	Strategies for water source configuration, construction of ecological environment, and sustainable development in Northwestern China ( Ecological environment volume )
2003	General Considerations of forestry sustainable development in China (Forest issue)
2003	General Considerations of forestry sustainable development in China
2001	Ecological environment status and construction of ecological province in Jilin Province

## 19 地信 岳德鹏



### Personal information

Current position	Professor
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### Educational background

From	To	University/Institution	Degree and Major
1981	1985	Inner Mongolia Forestry University	B.S. Major: Forestry
1991	1994	Beijing Forestry University	M.S. Major: Forest management
1994	1997	Beijing Forestry University	Ph.D. Major: Soil and water conservation

### Research projects

From	To	Title of Project	Position	Project Description
2010	2011	Research on the Construction Technology of Urban and Rural Integration Ecological Security Pattern	Leader	"The Eleventh Five-Year Plan" National Science and Technology Support Sub-project
2014	2017	Coupling and Regulation of Landscape Pattern and Eco-hydrology in Desert Oasis Area	Leader	The National Natural Science Foundation of China
2014	2016	Introduction of key technologies for portable electronic tree measuring instrument	Leader	International Forestry Science and Technology Project introduced by the State Forestry Administration
2018	2021	Radiation assessment model of "Two Screens and	Leader	Topics of National Key R&D Program Sub-project

		Three Belts" ecosystem service barrier		
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### Publications

Year	Publication
2018	Qiang Yu, Depeng Yue, Yuhang Wang, et al. 2018. Optimization of ecological node layout and stability analysis of ecological network in desert oasis:a typical case study of ecological fragile zone located at Deng Kou County(Inner Mongolia). <i>Ecological Indicators</i> , 84, 304-318.
	ZHANG Q B, YUE D P, FANG M Z, YU Q, HUANG Y, SU K, MA H, WANG Y H. 2018. Study on sustainability of land resources in Dengkou County based on emergy analysis. <i>Journal of Cleaner Production</i> , 171, 580-591.
	YU Q, YANG L, YUE D P, et al. 2018. Investigation on Complex Spatial Ecological Network Structure Based on Complex Network Analysis Method. <i>Transactions of the Chinese Society for Agricultural Machinery</i> , 49(03):214-224.
	WANG Y H, YU Q, YUE D P, et al. 2018. Simulation of Landuse Based on BRT_DC_Pd Model. <i>Transactions of the Chinese Society for Agricultural Machinery</i> , 49(03):225-234.
	LEI Z, YUE D P, YANG D, et al. 2018. GIS Design and Experiment of Soil Erosion Intensity Calculating Based on Hadoop. <i>Transactions of the Chinese Society for Agricultural Machinery</i> , 49(09):160-165+137.
	HUANG Y, YUE D P, YU Q, et al. 2018. Land surface temperature in Dengkou county based on meteorologil factors and multispectral data of Landsat 8. <i>Journal of Arid Land Resources and Environment</i> , 32(07):147-154.
2017	YUE D P, YU Q, ZHANG Q B, et al. 2017. Progress in Research on Regional Ecological Security Pattern Optimization. <i>Transactions of the Chinese Society for Agricultural Machinery</i> , 48(2):1-10.
	MA H, YU Q, YUE D P, et al. 2017. Spatial Simulation Method of Desertification Based on MAS-LCM Model. <i>Transactions of the Chinese Society for Agricultural Machinery</i> , 48(10):134-141.
	SU K, YUE D P, YANG D, et al. 2017. Layout Optimization of Ecological Nodes Based on Improved Force-directed Model. <i>Transactions of the Chinese Society for Agricultural Machinery</i> , 48(11):215-221.
	SU K, YUE D P, YANG D, et al. 2017. Groundwater Depth Forecast Based on IL-HMMs. <i>Transactions of the Chinese Society for Agricultural Machinery</i> , 48(12):263-268.
	ZHANG Q B, YUE D P, YU Q, et al. 2017. Simulation of Landscape Pattern Evolution in Dengkou County Based on AES-LPI-CA model. <i>Transactions of the Chinese Society for Agricultural Machinery</i> , 48(05):128-134.
	ZHANG Q B, YUE D P, FANG M Z, et al. 2017. Landscape Pattern Optimization Based on SFLA-M-L Model. <i>Transactions of the Chinese Society for Agricultural Machinery</i> , 48(07):159-166.
MA H, YUE D P, YANG D, et al. 2017. Interpolation of Groundwater Depth	

	Based on Data Assimilation. Transactions of the Chinese Society for Agricultural Machinery, 48(04):206-214.
	YU Q, YUE D P, ZHANG Q B, et al. 2017. The Evolution of Landscape Pattern and the Construction of Ecological Infrastructure Network in Dengkou, Inner Mongolia, China. Journal of Desert Research, 37(03):601-609.
	ZHANG Q B, YUE D P, YU Q, et al. 2017. Effects of forestry ecological projects on landscape pattern evolution and migration of barycenter in Dengkou County. Acta Agriculturae Zhejiangensis, 29(02):261-269.
	HUANG Y, YUE D P, YANG D, et al. 2017. Simulation of heat island based on data assimilation and CA model in Baotou City. Resources Science, 39(11):2197-2207.
2016	Yu Q, Yue D, Wang J, et al. 2016. The optimization of urban ecological infrastructure network based on the changes of county landscape patterns: A typical case study of ecological fragile zone located at Deng Kou (Inner Mongolia). Journal of Cleaner Production, 163.
	YU Q, YUE D P, YANG D, et al. 2016. Simulation on ecological land use expansion based on EnKF-MCRP model. Transactions of the Chinese Society for Agricultural Machinery, 47(09):285-293.
	YU Q, YUE D P, Yang D, et al. 2016. Simulation on Ecological Land Use Expansion Based on EnKF-MCRP Model. Transactions of the Chinese Society for Agricultural Machinery, 47(09):285-293.
	YU Q, YUE D P, YANG D, et al. 2016. Layout Optimization of Ecological Nodes Based on BCBS Model. Transactions of the Chinese Society for Agricultural Machinery, 47(12):330-336+329.
	YU Q, YUE D P, HAO Y G, et al. 2016. The Spatial and temporal variations of oasis desert landscape in Dengkou County. Journal of Arid Land Resources and Environment, 30(04):178-183.

## 20 生态 张春雨



**Chunyu Zhang**

### Personal information

Current position	Full Professor
University	Beijing Forestry University
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### Educational background

From	To	University/Institution	Degree and Major
2003	2009	Beijing Forestry University	(Ph.D.) Forest Management
1999	2003	Beihua University	(B.S. ) Forestry

### Research projects

From	To	Title of Project	Position
2017	2020	National Natural Science fund, The effect of forest structure on the relationships between species diversity and ecosystem functions	leader researcher
2017	2020	National Key Research and Development Plan, Forest tending and regeneration techniques in secondary conifer and broadleaf mixed forests in Zhangguancailin	leader researcher

### Publications

Year	Publication
2018	Functional and phylogenetic diversity determine woody productivity in a temperate forest
2017	Structural drivers of biomass dynamics in two temperate forests in China
2017	Determinants of mortality in a mixed broad-leaved Korean pine forest in



	northeastern China
2016	Relationships between tree biomass productivity and local species diversity
2015	Maximum density patterns in two natural forests An analysis based on large observational field studies in China
2014	Scale dependent structuring of spatial diversity in two temperate forest communities
	Analyzing selective harvest events in three large forest observational studies in North Eastern China
2009	Gender, neighboring competition and habitat effects on the stem growth in dioecious <i>Fraxinus mandshurica</i> trees in a northern temperate forest
2012	Sexual dimorphism in reproductive and vegetative allometry for two dioecious <i>Rhamnus</i> plants in north-eastern China
2010	Gender-related distributions of <i>Fraxinus mandshurica</i> in secondary and old-growth forests
2010	Partitioning temperate plant community structure at different scales
2012	Species-habitat associations in a northern temperate forest in China
2009	Spatial structures in a secondary forest in Changbai Mountains in northeast China
2010	Estimating Beech Growth and Survival: A study based on longterm experiments in Slovakia
2010	Spatial distributions and spatial associations of dominant tree species in Korean Pine broad leaved old-growth forests in Changbai Mountains
2014	Forest dynamic monitoring in coniferous and broadleaved mixed forest in Changbai Mountain

## 21 森林培育 张凌云



**Lingyun Zhang**

### Personal information

Current position	Full Professor
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### Educational background

From	To	University/Institution	Degree and Major
2000	2003	China Agricultural University	( Ph.D.) Horticulture
1997	2000	Shandong Agricultural University	(M.S.) Horticulture
1993	1997	Hebei Agricultural University	( B.S.) Horticulture

### Research projects

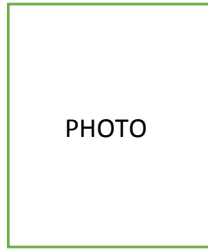
From	To	Title of Project	Position
2019	2022	National Natural Science fund, The molecular mechanism of NF-Y transcription factor regulating fruit ripening and anthocyanin accumulation in blueberry	leader researcher
2016	2018	New GM crops project from Agricultural Ministry of China, The identification and functional analysis of key genes resistant to stress and herbicide	leader researcher
2017	2019	Beijing Natural Science fund, Blueberry NF-Y family function in abiotic stress based on genome editing	leader researcher

### Publications

Year	Publication
2018	<i>Picea wilsonii</i> transcription factor NAC2 enhanced plant tolerance to abiotic

	stress and participated in RFCP1-regulated flowering time
	The characterization and functional analysis of pollen-specific PwSWEET1 in <i>Picea wilsonii</i>
2013	Homologous HAP5 subunit from <i>Picea wilsonii</i> improved tolerance to salt and decreased Sensitivity to ABA in transformed <i>Arabidopsis</i>
2012	<i>Arabidopsis</i> sucrose transporter SUT4 interacts with cytochrome b5-2 to regulate seed germination in response to sucrose and Glucose
2011	The PwHAP5, a CCAAT-binding transcription factor, interacts with PwFKBP12 and plays a role in pollen tube growth orientation in <i>Picea wilsonii</i>
2010	The predominance of apoplasmic phloem unloading pathway is interrupted by a symplasmic pathway during Chinese jujube fruit development
2009	Overexpression of PwTUA1, a pollen-specific tubulin gene, increases pollen tube elongation by altering the distribution of $\alpha$ -tubulin and promoting vesicles transport
2004	Evidence for apoplasmic phloem unloading in developing apple fruit
2005	Heterotrimeric G-protein $\alpha$ -subunit is localized in the plasma membrane of <i>Pinus bungeana</i> pollen tubes
2007	The localization of Rac GTPase in <i>Picea wilsonii</i> pollen tubes implies roles in tube growth and the movement of the tube nucleus and sperm cells
2004	Phloem unloading in developing walnut fruit is symplasmic in the seed pericarp and apoplasmic in the fleshy pericarp
2005	A monosaccharide transporter is localized to sieve plate and plasmodesmal channel in developing apple fruit
2005	A rapid, efficient method for the mass production of pollen protoplasts from <i>Pinus bungeana</i> and <i>Picea wilsonii</i> Mast
2004	Jasmonic acid is involved in the water-stress-induced betaine accumulation in pear leaves
2004	Abscisic acid is involved in the water stress-induced betaine accumulation in pear leaves
2008	Isolation of de-exined pollen and cytological studies of the pollen intines of <i>Pinus bungeana</i> Zucc. Ex Endl. and <i>Picea wilsonii</i> Mast
2009	Apple Sucrose Transporter SUT1 and Sorbitol Transporter SOT6 Interact with Cytochrome b5 to Regulate Their Affinity for Substrate Sugars

22 地信 张晓丽



**Xiaoli Zhang**

**Personal information**

Current position	Prof.
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**Educational background**

From	To	University/Institution	Degree and Major
1992	1998	Beijing Forestry University/Forestry College	M.S- Ph.D. Major: Forest management
1985	1989	Hebei University/Department of Electronics	B.S. Major: Computer Science

**Research projects**

From	To	Title of Project	Position	Project Description
2019/01	2022/12	Monitoring and prediction of pine wood nematode disease with multi-scale in the context of climate change	PI	National Natural Science fund
2017/07	2020/12	Precision information extraction of artificial forest resources at individual tree based on remote sensing technology	PI	National Key R&D Program of China
2013/10	2018/12	Software development of Forest resources inventory based on airborne dual-frequency LiDAR	PI	National Key Scientific Instrument and Equipment Development Project
2017/01	2018/12	Forest biomass estimation based on active remote sensing	PI	

## Publications

Year	Publication
2018	<p>[1] NingZhang, <b>XiaoliZhang*</b>, GuijunYang, ChenghaoZhu, LangningHuo, HaikuanFeng. 2018. Assessment of defoliation during Dendrolimus tabulaeformis Tsai et Liu disaster outbreak using UAV-based hyperspectral image. <i>Remote Sensing of Environment</i>, 217: 323-339</p> <p>[2] Chenghao Zhu, <b>XiaoliZhang*</b>, NingZhang, Mohammed A Hassan, Lin Zhao. 2018. Assessing the Defoliation of Pine Forests in a Long Time-Series and Spatiotemporal Prediction of the Defoliation Using Landsat Data. <i>Remote sensing</i>, 10(3), 360</p> <p>[3] Shuhan Wang, <b>Xiaoli Zhang*</b>, Mohammed A Hassan, Qi Chen, Chaokui Li, Zhiguang Tang, Yanjun Wang. 2018. Quickbird image-based estimation of tree stand density using local maxima filtering method:A case study in Beijing forest. <i>PLoS ONE</i>, 13(12) : e0208256</p> <p>[4] Hassan,M. A., <b>Zhang, X. *</b>, Zhu, C.,Wang, S., Zhang, N..2018. Mapping land cover change in spatial patterns of semi-arid region across West Kordofan, Sudan using Landsat data. <i>Applied Ecology and Environmental Research</i>, 16(6):7925-7936</p>
2017	<p>[5] Erjia Liu, <b>Xiaoli Zhang*</b>, Xiaoping Zhang, Zhidong Luo, Aijuan Wang, Zhiguang Li. 2017. Hydrological Responses to Ecological Management of The Loess Hilly-Gully Area, China <i>Fresenius Environmental Bulletin</i>,26(10): 5917-5928</p> <p>[6] Ying Zhang, <b>Xiaoli Zhang*</b>. 2017. Estimation of Net Primary Productivity of Different Forest Types Based On Improved CASA Model in Jing-Jin-Ji region, China. <i>Journal of Sustainable Forestry</i>, 36(6): 568–582</p>
2016	<p>[7] Xiaoli Wang, <b>Xiaoli Zhang</b>.2016. Automatic Detection of Rice Disease using Near Infrared Spectra Technologies. <i>Journal of the Indian Society of Remote Sensing</i>, 45(5):1-10</p> <p>[8] Shuhan Wang, Bingbing Zeng, <b>Xiaoli Zhang*</b>, Mohammed Abdelmanan Hassana &amp; Shuai Qua. 2016. Evaluating the Habitat Factors of <i>Pristiphora Laricis</i> Infestation: An Information Load Model. <i>Journal of Sustainable Forestry</i>, 35(5): 369–384</p> <p>[9] Zhang Ying,<b>Zhang Xiaoli*</b>, Li Hongzhi, Li Liangca. 2018. A Comparison of Landcover Classification Based on Improved Transformed Divergence Analysis. <i>SCIENTIA SILVAE SINICAE</i>,54(8): 88-98</p> <p>[10]ZHU Chenghao, QU Shuai, <b>ZHANG Xiaoli*</b>. 2016. Dendrolimus tabulaeformis disaster monitoring and analysis of its influencing factors through remote sensing technology. <i>Journal of Remote Sensing</i>, 20(4): 653-664</p>

## 23 森林保护 宗世祥



Shixiang Zong

### Personal information

Current position	Beijing Forestry University, No 35, Qinghuadong Road, Haidian, Beijing, China
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### Educational background

From	To	University/Institution	Degree and Major
2004.9	2006.7	Beijing Forestry University	Ph.D. Major: Forest Protection
2001.9	2004.7	Beijing Forestry University	M.S. Major: Forest Protection
1996.9	2000.7	Beijing Forestry University	B.S. Major: Forest Protection

### Research projects

From	To	Title of Project	Position	Project Description
2011.01	2015.12	Monitoring and prevention of major insect pests in ecological forests	leader researcher	Beijing Forestry University Youth Team Innovation Program
2013.01	2016.12	Cold tolerance and adaptation mechanism of <i>Hippophae rhamnoides</i>	leader researcher	New Century Excellent Talent Support Program of the Ministry of Education
2016.06	2017.06	Research and Application of New Technology of Natural Enemies of Forestry Pests in Beijing	leader researcher	Beijing Forestry Protection Station
2015.1	2018.12	Cold tolerance and adaptation mechanism of	leader researcher	National Natural Science fund

		<i>Hippophae rhamnoides</i> larvae		
2016.01	2020.12	Mechanism of disaster occurrence of <i>A. glabrata</i> and its related species	leader researcher	Middle and long-term scientific research project for young teachers of Beijing Forestry University
2012.01	2016.12	early warning and prevention and control technologies for major pests and diseases of ecological forests	participant researcher	"Twelfth Five-Year" National Science and Technology Support Program, Research and demonstration of monitoring
2014.01	2017.12	Research on Key Technologies of Monitoring and Early Warning of Major Forest Insect Disasters	participant researcher	Special fund for scientific research in forestry public welfare industry

### Publications

Year	Publication
2011	Shixiang Zong, Zhizheng Wang, Youqing Luo, Jingtong Zhang, and Junbao Wen (Responsible author). Mechanisms underlying host plant selection by <i>Holcocerus hippophaecolus</i> adults. <i>Z. Naturforsch</i> , 66c, 621-626
2011	Shixiang Zong, Hui Zhang and Gerson Kampungu, Mechanism of Herbivore-induced Plant Volatiles in Host-plant Selection by Herbivorous Insects, <i>Entomologia Generalis</i> , , 33(4), 251-261
2012	SHI-XIANG ZONG, GUANG-LIN XIE, WEN-KAI WANG (Responsible author), YOU-QING LUO AND CHUAN-JIAN CAO. A new species of <i>Chlorophorus Chevrolat</i> (Coleoptera Cerambycidae) from China with description of biology. <i>Zootaxa</i> , 3157, 54-60
2012	Shixiang Zong, Youqing Luo (Responsible author), Jiao Zhou, and Shujing Liu., Volatile Compounds of Healthy and Insect-Damaged <i>Hippophae rhamnoides sinensis</i> in Natural and Planted Forests, <i>Z. Naturforschung</i> , 67c, 244—248
2012	Shi-Xiang Zong, Mao-Ling Sheng, You-Qing Luo, and Chang-Kuan Lu. <i>Lissonota holcocerica</i> Sheng sp.n (Hymenoptera: Ichneumonidae) parasitizing <i>Holcocerus hippophaecolus</i> (Lepidoptera: Cossidae) from China, <i>Journal of Insect Science</i> , 12,1-7
2013	Shi-Xiang Zong, Shu-Ping Sun, Mao-Ling Sheng. A new species of <i>Amphibulus Kriechbaumer</i> (Hymenoptera, Ichneumonidae, Cryptinae) from Beijing with a

	key to species known from the Oriental and Eastern Palaearctic regions. ZooKeys, 312, 89-95
2013	Shixiang Zong, Xinhai Liu, Chuanjian Cao, Youqing Luo, Lili Ren and Hui Zhang. Development of semiochemical attractants for monitoring and controlling <i>Chlorophorus Caragana</i> , Z. Naturforschung, 68c, 243-252
2013	Shixiang Zong, Yanxia Zhao, Zhizheng Wang, Youqing Luo and Junbao Wen. Oviposition Choice and mechanisms of <i>Holcocerus hippophaecolus</i> on different Sea Buckthorn trees, Deutsche Entomologische Zeitschrift(Dtsch. Entomol. Z.), 60(2), 235-240.
2014	Shixiang Zong, Rong Wang, Chuanjian Cao, Tao Wang and Youqing Luo, Impact of <i>Chlorophorus caragana</i> damage on nutrient contents of <i>Caragana korshinskii</i> . Journal of Plant Interactions, 9(1): 488-493
2011	Cui Ya-qin, Sheng Mao-ling, Luo You-qing, and Zong Shi-xiang (Responsible author). Emergence patterns of <i>Orgyia ericae</i> (Lepidoptera: Lymantriidae) parasitoids. Revista Colombiana de Entomología. 37(2): 240-243
2011	Jingtong Zhang, Hongxia Liu, Wenmei Zhao, Jinlong Liu, and Shixiang ZONG (Responsible author), Identification of the Sex Pheromone of <i>Isoceras sibirica</i> Alpheraky (Lepidoptera, Cossidae), Z. Naturforsch, 66c, 527-533.
2012	XIN-HAI LIU, YOU-QING LUO, CHUAN-JIAN CAO, AND SHI-XIANG ZONG (Responsible author). Scanning electron microscopy of antennal sensible of <i>Anoplistes halodendri halodendri</i> and <i>Anoplistes halodendri ehippium</i> (Coleoptera: Cerambycidae). Microscopy Research and Technique. 75: 367-373
2013	Hui Zhang, Shixiang Zong, Youqing Luo, Tao Wang, Jinlin Wang, and Chuanjian Cao , Comparative Study of the volatiles' Composition of Healthy and Larvae-Infested <i>Artemisia ordosica</i> . Z. Naturforsch., 68c, 8-12
2013	LU ZHANG, LI-LI REN, YOU-QING LUO, AND SHI-XIANG ZONG (Responsible author). Scanning electron microscopy analysis of the cephalic sensilla of <i>Chrysolina aeruginosa</i> Fald. (Coleoptera, Chrysomelidae). Microscopy Research and Technique. 76: 423-431
2013	Hui Zhang, Dayong Zhou, Youqing Luo, Jinlin Wang and Shixiang Zong, Identification of volatile compounds emitted by <i>Artemisia ordosica</i> ( <i>Artemisia</i> , Asteraceae) and changes due to mechanical damage and weevil infestation. Z. Naturforsch., 68c, 313-317
2013	Yaqin Cui, Youqing Luo, Long Bai and Shixiang Zong. Geostatistical analysis of the Spatial Distribution of Three Boring Pests of <i>Artemisia ordosica</i> (Lepidoptera: Cossidae/Coleoptera:Burestidae, Curculionidae). Entomologia Generalis, 34(4):249-259
2014	Lu Zhang, Yu-qian Feng, Li-li Ren, You-qingLuo, Shi-xiang Zong. Antennal sensilla and ovipositor morphology of the European birch sawfly <i>Arge pullata</i> Zadd (Hymenoptera: Tenthredinidae, Argidae). Microscopy Research and Technique. 77: 401-409
2014	Yuqian Feng, Lili Xu, Bing Tian, Jing Tao, Jinlin Wang and Shixiang Zong, Cold Hardiness of Asian Longhorned Beetle (Coleoptera: Cerambycidae) Larvae in Different Populations, Environmental Entomology, 43(5): 1419-1426



2014	Peng-Fei Lu, Hai-Li Qiao, Zhi-Chun Xu, Jin Cheng, Shi-Xiang Zong and You-Qing Luo. Comparative analysis of peach and pear fruit volatiles attractive to the oriental fruit moth, <i>Cydia molesta</i> . <i>Journal of Plant Interactions</i> , 9(1):388-395
2014	Xuezhen Ge, Shixiang Zong, Shanyong He, Yiting Liu and Xiangqi Kong, Areas of China predicted to have a suitable climate for <i>Anoplophora chinensis</i> under a climate-warming scenario. <i>Entomologia Experimentalis et Applicata</i> , 153: 256-265
2015	R Wang, L Zhang, LL Xu, SX Zong, YQ Luo, Sensilla on the Antennae and Ovipositor of the Sea Buckthorn Carpenter Moth, <i>Holcocerus hippophaecolus</i> Hua et al (Lepidoptera: Cossidae), <i>Neotropical Entomology</i> , 44: 68-76
2015	Lu Zhang, Yu-qian Feng, Li-li Ren, You-qing Luo, Feng Wang and Shi-xiang Zong. Sensilla on antenna, ovipositor and leg of <i>Eriborus applicitus</i> (Hymenoptera: Ichneumonidae), a parasitoid wasp of <i>Holcocerus insularis</i> Staudinger (Lepidoptera: Cossidae). <i>Acta Zoologica</i> , 96: 253-263
2015	S.Y. He , X.Z. Ge , T. Wang, J.B. Wen, S.X. Zong. Areas of potential suitability and survival of <i>Dendroctonus valens</i> in china under extreme climate warming scenario, <i>Bulletin of Entomological Research</i> , 105:477-484
2015	Lili Xu, Lu Zhang, Yuchao Yang, Lili Ren, Tao Wang, Shixiang Zong, Morphology of antennal, maxillary palp and labial palp sensilla in different larval instars of the Asian long—horned beetle, <i>Anoplophora glabripennis</i> (Motschulsky) (Coleoptera: Cerambycidae) . <i>Acta Zoologica</i> , , Doi: 10.1111/azo.12146
2015	Xuezhen Ge, Shanyong He, Tao Wang, Wei Yan, Shixiang Zong , Potential distribution predicted for <i>Rhynchophorus ferrugineus</i> in China under different climate warming scenarios, <i>PLoSOne</i> , DOI:10.1371/journal. Pone.0141111
2016	Yuqian Feng, Rexiti Tursun, Zhichun Xu, Fang Ouyang and Shixiang Zong , Effect of three species of host tree on the cold hardiness of overwintering larvae of <i>Anoplophora glabripennis</i> (Coleoptera: Cerambycidae) , <i>European Journal of Entomology</i> , 113: 212-216
2016	Yuqian Feng, Lili Xu, Wenbo Li, Zhichun Xu, Jinlin Wang, Meng Cao, Jing Tao and Shixiang Zong, Seasonal changes in the supercooling capacity and major cryoprotectants of overwintering Asian longhorned beetle ( <i>Anoplophora glabripennis</i> ) larvae, <i>Agricultural and Forest Entomology</i> , 18, 302–312, DOI: 10.1111/afe.12162
2016	Bin Tian , Lili Xu , Miao Zhang , Yuqian Feng and Shixiang Zong. Supercooling Capacity and Cryoprotectants of Overwintering Larvae from Different Populations of <i>Holcocerus hippophaecolus</i> , <i>Cryoletters</i> , 37(3): 206-217
2017	Yang Yuchao; Xu Lili; Ren Lili; Xu Zhichun; Zong Shixiang, Comparative morphology of sensilla on antenna, maxillary palp, and labial palp of larvae of white-spotted and yellow-spotted Asian long-horned beetles, <i>Anoplophora glabripennis</i> Motschulsky (Coleoptera: Cerambycidae). <i>Entomological Research</i> , 47(1):3-10
2017	Wang Tao, Yu Linfeng and Zong Shixiang, Changes in the emission of volatile compounds from <i>Hippophae rhamnoides</i> ssp. <i>sinensis</i> induced by <i>Holcocerus hippophaecolus</i> (Lepidoptera:Cossidae), <i>Indian J. Anim. Res.</i> , 51(4):726-731

2017	Yuchao Yang, Lili Ren, Tao Wang, Lili Xu and Shixiang Zong , , Comparative morphology of sensilla on antenna, maxillary palp and labial palp of larvae of <i>Eucryptorrhynchus scrobiculatus</i> (Olivier) and <i>E. brandti</i> (Harold) (Coleoptera: Curculionidae), <i>Acta Zoologica</i>
2017	Xuezhen Ge, Chao Jiang, Linghong Chen, Shuang Qiu, Yuxiang Zhao, Tao Wang and Shixiang Zong. Predicting the potential distribution in China of <i>Euwallacea fornicatus</i> (Eichhoff) under current and future climate conditions , <i>Scientific Reports</i> , 7:906, DOI:10.1038/s41598-017-01014-w
2017	Li Wenbo, Cui Mingming, Hu Ping, Tao Jing, and Zong Shixiang. Cloning and Expression Analysis of the Heat-Shock Protein 70 Gene in <i>Eogystia hippophaecolus</i> (Lepidoptera: Cossidae), <i>Annals of the Entomological Society of America</i> , 110(6): 528-535
2017	Lili Xu, Jiahe Pei, Tao Wang, Lili Ren, and Shixiang Zong, The larval sensilla on the antennae and mouthparts of five species of Cossidae (Lepidoptera) , <i>Canadian Journal of Zoology</i> (Can. J. Zool.), 95: 611–622, <a href="https://doi.org/10.1139/cjz-2016-0225">dx.doi.org/10.1139/cjz-2016-0225</a>
2018	Yuqian Feng, Lu Zhang, Wenbo Li, Xuan Yang, and Shixiang Zong. Cold Hardiness of Overwintering Larvae of <i>Sphenoptera</i> sp. (Coleoptera: Buprestidae) in Western China, <i>Journal of Economic Entomology</i> , 111(1):247-251
2017	Mingming Cui, Ping Hu, Tao Wang, Jing Tao, Shixiang Zong. Differential transcriptome analysis reveals genes related to cold tolerance in seabuckthorn carpenter moth, <i>Eogystia hippophaecolus</i> , <i>PLoSOne</i> , <a href="https://doi.org/10.1371/journal.pone.0187105">https://doi.org/10.1371/journal.pone.0187105</a>
2018	Lili Xu, Rong Wang, Linfeng Yu, Tao Wang, Shixiang Zong, Physiological changes of <i>Hippophae rhamnoides</i> ssp. <i>sinensis</i> before and after infested by <i>Eogystia hippophaecolus</i> (Lepidoptera: Cossidae) , <i>Oriental Insects</i> , <a href="https://doi.org/10.1080/00305316.2017.1406409">https://doi.org/10.1080/00305316.2017.1406409</a>
2018	Xiuji Wang, Hao Lu, Yuying Shao, Shixiang Zong, Morphological and ultrastructural characterization of the alimentary canal in larvae of <i>Streltzoviella insularis</i> (Staudinger) (Lepidoptera: Cossidae), <i>Entomological Research</i> , doi: 10.1111/1748-5967.12290
2018	YUYING SHAO, YUQIAN FENG, BIN TIAN, TAO WANG, YINGHAO HE and SHIXIANG ZONG. ,Cold hardiness of larvae of <i>Dendrolimus tabulaeformis</i> (Lepidoptera:Lasiocampidae) at different stages during the overwintering period. <i>Eur. J. Entomol.</i> , 115: 198–207

## 07 经管学院

### 24 陈凯

#### Professor Kai Chen



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#### Educational background

From	To	University/Institution	Degree and Major
2003.9	2006.7	Renmin University of China	Ph.D Management
1998.9	2001.4	Tianjin Polytechnic University	Master Dgree Management

#### Research projects

From	To	Title of Project	Position	Project Description
2013.6	2017.6	Research on the gap between green attitudes and behaviors among urban residents	Project leader	Funding: National Social Science Fund of China (13CJY090)
2014.7	2017.9	Study on the influencing factors of green commuting behavior of Beijing residents	Project leader	Funding: Social Science Fund of Beijing (14GJB048)
2017.6	2018.1 2	Research on the effects of market-policy orientation on the development of forest biomass energy industry	Project leader	Funding: Ministry of Forestry (2017-R19)

#### Publications

Year	Publication
2018	A Study on the Classification of Municipal household waste - in Case of Beijing Residents
2017	Factors Affecting Customer's Green Purchase Intentions
2017	Analysis on Effect of Promotion on Purchase Intention of Green Agricultural Products
2016	Research on the Green Purchase Intentions from the Perspective of Product Knowledge (SSCI)
2016	Factors Affecting Consumers' Green Commuting (SSCI)
2016	Psychological Divergence between Urban and Suburban Chinese in Relation to Green Commuting (SSCI)

2013	An Exploratory Study of Influence Factors about Consumers' Online Group Buying Intention(EI)
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## 25 侯方淼

### Professor Fangmiao Hou



#### Personal information

Current position	Professor
University	Beijing Forestry University
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#### Educational background

From	To	University/Institution	Degree and Major
1995	1999	Shandong University of Finance and economics	Bachelor's Degree in Economics
2000	2003	University of International Business and Economics	Master's Degree in Economics
2004	2007	University of International Business and Economics	Doctor's Degree in Economics

#### Research projects

From	To	Title of Project	Position	Project Description
2018	2019	Study on Long-term Mechanism of Acceptance of Forest Certification in China	Host	The project is one of one of the Forest Certification Projects funded by the State Forestry Administration.
2016	2019	A Study on the Rise of China's Wood Industry's Global Value Chain Position under the Constraints of Resources and Environment	Host	The project is one of a Ministry of Education Humanities and Social Sciences Research Projects, which systematically introduced the value chain and global value chain theory, the current status and characteristics of China's timber industry, and factors that affect a country's international competitiveness.
2016	2017	Study on the Role of Underforest Economic Development in Increasing	Host	It is one of the forestry soft science research projects of the State Forestry Administration.

		Farmers'Income in China		
2016	2017	Research on Government Green Procurement Promoting Green Technology Innovation of Capital Enterprises	Host	This project is one of the projects supported by Beijing Federation of Social Sciences for young social science talents

### Publications

Year	Publication
2018	Wangjing,Hou-fangmiao and Lee Fangfang,Technical Complexity Analysis of Chinese Wooden Furniture Export from the Perspective of Global Value Chain, World Forestry Research(CSCD)
2017	Hou Fangmiao et.al,Analysis on the development of Chinese Under-Forest Economy and Its Effect on the Increase of Farmers' Income, Journal of Discrete Mathematical Sciences (EI)
2017	Hou Fangmiao et.al,Micro-measurement of added value of forest products export trade of listed forestry enterprises in China based on global value chain, World Forestry Research(CSCD)
2016	Hou Fangmiao et.al,Effects of Forest Products Green Public Procurement on China: Based on Cost-Benefit Analysis and Survey , Journal of Mechanical Engineering Research and Developments (EI)
2015	Hou Fangmiao et.al,Analysis of the Impact of EU Timber Act on China's Wood Furniture Export to EU, Journal of Xi'an University of Finance and Economics (CSSCI)
2015	Ren Yujia, Hou Fangmiao,Non-tariff Trade Barriers to China's Plywood Exports to the United States and Their Impact Analysis, World Forestry Research(CSCD)
2014	Hou Fangmiao,Vendor Selection and Management in Environmental Purchase, Bio Technology An Indian Journal (EI)
2013	Hou Fangmiao,Financial Subsidies and Their Effects on Environmental-friendly Products Supply ,Advances in Manufacturing Science and Engineering (ISTP)
2012	Hou Fangmiao,Supplier Selection and Evaluation in Environmental Purchase , Advanced Mechanical Design (EI)

## Professor Huajing Li



## Personal information

Current position	Professor, PhD Supervisor, Master Supervisor
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## Educational background

From	To	University/Institution	Degree and Major
2004	2007	Nankai University	Ph.D. in Management/Entrepreneurial Behavior and Entrepreneurial Management
2001	2004	Ocean University of China	Master of Management/Entrepreneurial Ethics and Firm Growth
1994	1998	Ocean University of China	Bachelor of Economics/National Economy Management

## Research projects

From	To	Title of Project	Position	Project Description
2016	2019	National Nature Science Foundation of China	General Project	Study on influence mechanism of the Interaction Effect between Ethics and Institutions on the Opportunity Exploitation of Green Entrepreneurship
2018	2020	Beijing Forestry University Technology Innovation Program-Special Plan for the Revitalization of Humanities and Social Sciences	Key Project	Study on Enterprise Green Management Innovation Based on Green Development Concept
2018	2019	Beijing Forestry University Graduate Teaching Reform Project	General Project	Study on Teaching Innovation in Entrepreneurship Course Based on Green Development Concept

## Publications

Year	Publication
2018	Research on Enterprise Green Innovation Based on High Quality Development.

	<i>Enterprise Economy</i> , 2018, 37(09): 5-12+2.
2018	Study on the Relationship between Entrepreneurship and Poverty. <i>Soft Science</i> , 2018, 32(08): 1-3+8.
2018	Comparative Study on Foreign Policies on Senior Entrepreneurship and Implications to China. <i>Modernization of Management</i> , 2018, 38(05): 53-55.
2018	Study on Education Path of University Entrepreneurship Center Based on Human Capital. <i>Jiangsu Higher Education</i> , 2018(06): 61-66.
2018	Human Capital, Knowledge Transfer Performance and Entrepreneurial Firms' Growth—Cross-case Study Based on the Internet Context. <i>R&amp;D Management</i> , 2018, 30(01): 47-59.
2018	Pro—social and Social Entrepreneurship Opportunity Exploitation. <i>Studies in Science of Science</i> , 2018, 36(02): 304-312.
2018	Effect Mechanism of Organizational Resource on Green Marketing Mix of Enterprise: A case Study on New Energy Vehicle Industry. <i>Journal of Management Case Studies</i> , 2018, 11(02): 148-162.
2018	Social Innovation Based on Targeted Poverty Alleviation: A Study on Current Situation, Issues and Countermeasures. <i>Macroeconomics Management</i> , 2018(05): 57-63.
2018	Study on the Impact of Energy Prices and Institutional Environment on Corporate Green Performance. <i>Price: Theory &amp; Practice</i> , 2018(04): 126-129.
2018	Research on Influencing Factors of Green Technology Innovation in Resource—based Industries. <i>Resource Development &amp; Market</i> , 2018, 34(12): 1643-1650.
2018	<i>Management</i> ; Beijing: China Forestry Press, 2018
2018	<i>Study on Policy Evaluation and System Perfection of Forestry Ecological Construction in Western China</i> ; Beijing: China Forestry Press, 2018
2018	<i>Review of classic literature on entrepreneurship research</i> ; Beijing: China Machine Press, 2018
2017	Effect of institutional environment on the relationship between scientific and technical personnel's entrepreneurial cognition and entrepreneurial behavior. <i>Studies in Science of Science</i> , 2017, 35(04): 585-592+624.
2017	Relationship Between R&D Investment and Performance of New Energy Automobile Enterprises: Based on the Perspective of Green Technology Innovation. <i>Forum on Science and Technology in China</i> , 2017(01): 76-81+93.
2017	Study on Green Entrepreneurship Ecological Construction in Jing-Jin-Ji Region. <i>Modernization of Management</i> , 2017, 37(01): 40-42.
2017	Identification and Exploitation of Entrepreneurial Opportunity from Complex Adaptive System Theory Perspective—Case Analysis Based on Sound Group. <i>Forum on Science and Technology in China</i> , 2017(02): 178-185.
2017	Study on the Performance of Green Technology Innovation of New Energy Listed Companies. <i>Science and Technology Management Research</i> , 2017, 37(21): 240-246.
2017	Study on Regional Green Development System Based on Technology Innovation: A Case Study of Northern Beijing Area. <i>Modernization of Management</i> , 2017, 37(06): 35-37.



2017	Study on the Framework of Entrepreneurial Ecosystem for the Migrant Workers' Return to Hometown: An Investigation of the National Pilot of returning home for entrepreneurship. <i>Enterprise Economy</i> , 2017, 36(08): 134-141.
2017	<i>Innovation and Entrepreneurship Basics</i> . Beijing: High Education Press, 2017
2017	<i>The Digital Transformation Playbook: Rethink Your Business for the Digital Age (translated)</i> . China Renmin University Press, 2017.

## 27 温亚利

### Professor Yali Wen



#### Personal information

Current position	President of School of Economics and Management
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#### Educational background

From	To	University/Institution	Degree and Major
1980	1998	Northeast Forestry University	Bachelor of Agriculture
1998	2003	Beijing Forestry University	Doctor of Management

#### Research projects

From	To	Title of Project	Position	Project Description
2018	2019	The necessary of nature resources protection around the "the Belt and Road" countries	Director	The State Forestry Administration
2015	2018	The monitor system of Beijing forestry green or law progression	Director	Beijing Municipal Bureau of Landscape and Forestry
2017	2018	Regional development impact on the protection areas and the policy	Director	The State Forestry Administration
2014	2018	Study on poverty alleviation and biodiversity protection approach	Director	Poverty Alleviation and Development Research Center
2017	2018	The balance of the establishi of National Park with the ecological development	Director	National Development and Reform Commuission
2016	2018	The research on wetland ecological benefit compensation	Director	The State Forestry Administration
2014	2017	The protection and development coordination mechanism research	Director	National Natural Science Foundation
2014	2017	Key techniques of effective monitoring, evaluation and early warning in nature reserve	Director	State Special Fund for Public Interest
2013	2017	Current situation and problems of the wildlife conservation in	Director	The State Forestry Administration

		china		
2014	2016	The research on wetland protection management and institutional policy	Director	The State Forestry Administration
2014	2016	Biodiversity investment and performance research in china	Director	Foreign cooperation center, Ministry of Environmental
2013	2015	The research on Aichi biodiversity convention goal 2 and 3	Director	Foreign Cooperation Center, Ministry of Environmental
2002	2006	The research on forest ecological compensation legislation in china	Director	Asian Development Bank

### Publications

Year	Publication
2018	[1] Ma B, Cai Z, Zheng J, Wen Y. Conservation, ecotourism, poverty, and income inequality—A case study of nature reserves in Qinling, China[J]. <i>World Development</i> , 2019, 115: 236-244. SSCI (JCR Q1, IF 3.166)
	[2] Ma B, Lei S, Qing Q, Wen Y. Should the Endangered Status of the Giant Panda Really Be Reduced? The Case of Giant Panda Conservation in Sichuan, China[J]. <i>Animals</i> , 2018, 8(5): 69.SCI (JCR Q1, IF 1.654)
	[3] Ma B, Zhao Z, Ding H, Wen Y. Household costs and benefits of biodiversity conservation: case study of Sichuan giant panda reserves in China[J]. <i>Environment, Development and Sustainability</i> , 2018, 20(4): 1665-1686. SCI (JCR Q3, IF 1.379)
	[4] Ma B, Zhou T, Lei S, Wen Y et al. Effects of urban green spaces on residents' well-being[J]. <i>Environment, Development and Sustainability</i> , 2018: 1-17. (ONLINE) SCI (JCR Q3, IF 1.379)
	[5] Zhao Z, Zhang Y, Wen Y. Residents' Support Intentions and Behaviors Regarding Urban Trees Programs: A Structural Equation Modeling-Multi Group Analysis[J]. <i>Sustainability</i> , 2018, 10(2): 377. SCI,SSCI (JCR Q2, IF 2.075)
	[6] Wu J, Hou Y, Wen Y. Tourist behavior and conservation awareness on eating wild edible plants in mountainous protected areas: a case study in Northwest China[J]. <i>Journal of Sustainable Forestry</i> , 2018, 37(5): 489-503.SCI (JCR Q3 IF 0.747)
	[7] Cai Q, Cai Y, Wen Y. Spatially Differentiated Trends between Forest Pest-induced Losses and Measures for their Control in China[J]. <i>Sustainability</i> . SCI,SSCI (JCR Q2, IF 2.075)
2017-2013	[8] Duan Wei, Ma Ben, Sun Bo, Wen Yali*. Dependence of the Poor on Forest Resources: Evidence from China[J]. <i>Small-scale Forestry</i> , 2017.05 online (IF:0.814) (corresponding author)
	[9] Wei D, Chao H, Wen Y*. Role of income diversification in reducing

	forest reliance: Evidence from 1838 rural households in China[J]. Journal of Forest Economics, 2016, 22:68-79. ( IF:1.185 ) (corresponding author)
[10]	Duan Wei, He Chao, Wen Yali*. Role of income diversification in reducing forest reliance: Evidence from 1838 rural households in China[J]. Journal of Forest Economics, 2016(1):68-79. ( IF:1.185 ) (corresponding author)
[11]	Wu J, Shen J, Hou Y, Wen Y*. Environmental and management issues associated with backpacker tourism in mountainous protected areas, China[J]. Eco Mont-journal on Protected Mountain Areas Research. (IF:0.278) (corresponding author)
[12]	Shen J, Han X, Hou Y, Wen Y*. The Relationship between Marine Biodiversity Conservation and Poverty Alleviation in the Strategies of Rural Development in China[J]. Journal of Coastal Research. (IF:0.852) (corresponding author)
[13]	Duan W, Lang Z, Wen Y*. The Effects of the Sloping Land Conversion Program on Poverty Alleviation in the Wuling Mountainous Area of China[J]. Small-scale Forestry (IF:0.814) (corresponding author)
[14]	Wang C, Wen Y*, Wu J. The Socio-economic Effect of the Reform of the Collective Forest Rights System in Southern China: A Case of Tonggu County, Jiangxi Province[J]. Small-scale Forestry, 2014, 13(4):425-444. (IF:0.814) (corresponding author)
[15]	Xie Y, Gong P, Han X, Wen Y. The effect of collective forestland tenure reform in China: Does land parcelization reduce forest management intensity?[J]. Journal of Forest Economics, 2014, 20(2):126-140 (IF:1.185)
[16]	An X, Xu S, Wen Y*, et al. A Shared Interest Discovery Model for Coauthor Relationship in SNS[J]. International Journal of Distributed Sensor Networks, 2014, 2014(4-5):1-9 (IF:0.906)(corresponding author)
[17]	Xie Y, Wen Y, Zhang Y, et al. Impact of property rights reform on household forest management investment: An empirical study of southern China [J]. Forest Policy & Economics, 2013, 34(5):73-78 (IF:1.552)
[18]	WANG, Changhai, Wen Yali*, et al. Coupling Relationship Analysis on Households' Production Behaviors and Their Influencing Factors in Nature Reserves:A Structural Equation Model[J]. Chinese Geographical Science, 2013, 23(4):506-518 (IF:1.145) (corresponding author)

**Professor Liqun Wang****Personal information**

Current position	Professor
University	Beijing Forestry University
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**Educational background**

From	To	University/Institution	Degree and Major
1997	2001	Beijing Forestry University	PhD., Forest Economics
1984	1987	Beijing Forestry University	Master, Forest Economics
1980	1984	Jilin University of Technology	Bachelor, Management Engineering

**Research projects**

From	To	Title of Project	Position	Project Description
2019	2022	Study on behavior tracking of farmers, driving factors and long-term consolidation mechanism in poor areas after the compensation expired	Leader of National Natural Science Fund Project	The study analyzes the income changes and adjustment behavior of farmers after the compensation expired, and analyzes the decision-making behavior of land use of farmers.
2018	2019	Study on the personnel and social security of implementation units for natural forest protection project	Leader of the Project sponsored by State Forestry Administration	

**Publications**

Year	Publication
2018	Study on the Spatio-Temporal Characteristics and the Influential Factors of the Competitiveness of Tourism Industry in Provincial Forest Park of China[J], Resources and Environment in the Yangtze Basin, 2018 (10) : 2305-2315
2018	Assessment on the promotion effect of China's world heritage tourism based

	on PSM[J], Journal of Arid Land Resources and Environment, 2018 (11) : 188-194
2018	The Coordinated Relationship and Its Influencing Factors of Eco-tourism and Ecological Civilization——A Case Study of Hunan Province[J], Forestry Economics, 2018 (4) : 56-62
2018	Analysis on the Contribution of Factor Input to the Tourism Economy of China' s Forest Parks: Empirical Analysis Based on Provincial Panel Data[J], Issues of Forestry Economics, 2018, 38 (2) : 53-59
2018	Satisfaction Evaluation of Farmers with “Compound Identity”in Urban Afforestation Project: A Survey of Land-Expropriated Peasant Households Based on Afforestation Project in Beijing Plain [J], Journal of Beijing Forestry University ( Social Sciences), 2018 (1) : 66-72
2017	Study on the Willingness of Beijing Residents to Pay for Urban Afforestation Projects and Its Influencing Factors[J], Marketing Research, 2017 (12) : 38-41,42
2017	Fuzzy Comprehensive Evaluation of Residents' Satisfaction in the Effect of Plain Afforestation Project in Beijing[J], Issues of Forestry Economics, 2017, 37 (5) : 18-22
2017	Performance Evaluation of Afforestation Project in Plain Areas of Beijing Based on Ecological Civilization[J], Forestry Economics, 2017 (9): 37-42
2017	Research on the Driving Mechanism of Economic Development under the Forest——An Empirical Test from 448 Farmers in 13 Counties[J], Inquiry into Economic Issues, 2017 (7) : 181-190
2017	The Impact of Land Transfer Behavior on Farmers' Income Gap——Based on the Survey Data of Weifang City, Shandong Province[J], Jiangsu Agricultural Science, 2017 (11) : 264-268

## Professor Yi Xie



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## Educational background

From	To	University/Institution	Degree and Major
2003	2008	Beijing Forestry University	Ph. D. in Forest Economics
1995	1999	Beijing Forestry University	B.S. in Forest Economics and Management

## Research projects

From	To	Title of Project	Position	Project Description
2016	2017	Development of NGOs in wildlife conservation in China	PI	A program sponsored by Beijing Philosophy and Social Science Fund for the protection of wildlife in China.
2016	2016	Management Planning for Da'xinganling Region Wetland Conservation	PI	A program sponsored by Global Environmental Facility to manage and plan the wetland protection in Da'xinganling.
2015	2016	Public recognition and willingness on wildlife poaching and trafficking crisis	PI	A program sponsored by China State Forestry Administration to assess public awareness of wildlife poaching and trafficking crisis.
2014	2016	Global Dynamics of Wildlife Conservation and Combating Wildlife Trafficking	PI	A program sponsored by China State Forestry Administration aimed at global dynamics of wildlife conservation and combating wildlife trafficking.
2014	2015	Factors affecting farmers' forest management behaviors	PI	A program sponsored by the Fundamental Research Funds for the Central Universities in

				China to find the factors that influence farmers' forest management behaviors.
2013	2014	Inventory on Collective Forests in the Nature Reserve in China	PI	A program sponsored by China State Forestry Administration for the inventory on collective forests in the nature reserve in China.
2011	2013	Factors affecting farmers' willingness to lease in/out forest land after collective forest tenure reform in China	PI	A program sponsored by National Natural Science Fund of China to study what affect farmers' willingness to lease in/out forest land after collective forest tenure reform in China.
2011	2012	Modeling optional management for planted Fir timber forest	A member of the Principal Investigators	A program sponsored by National Natural Science Fund in China for the modeling optional management for planted Fir timber forest.
2010	2010	Comparative analysis on collective forest tenure reforms at provincial level	PI	A program sponsored by the Fundamental Research Funds for the Central Universities in China to compare and analyze the collective forest tenure reforms at provincial level.
2010	2011	Study on forest policy in Germany, France and Sweden	PI	A program sponsored by China National Forestry Economics and Development Research Center for the study on forest policy in Germany, France and Sweden.
2009	2012	Policy design for collective forest tenure reform and ecological forest conservation in Alashan city of Inner Mogonia autonomous	A member of the Principal Investigators	A program sponsored by the Alashan SEE Ecological Association to design policies for collective forest tenure reform and ecological forest conservation in Alashan city of



				Inner Mogonia autonomous.
2009	2012	Supporting Policy, Legal and Institutional Frameworks for the Reform of Forest Tenure in China's Collective Forests and Promoting Knowledge Exchange	A member of the Principal Investigators	A program sponsored by the European Union to study the supporting policy, legal and institutional frameworks for the reform of forest tenure in China's Collective Forests and promoting knowledge exchange.
2010	2011	Current situation of income from commercial activities of the scientific and technological museum and factors having influences on the income	A member of the Principal Investigators	A program sponsored by China Scientific and Technological Association to describe the income situation of commercial activities of the scientific and technological museum and the factors having influences on the income.
2009	2010	Integrated Ecosystem Restoration and Biodiversity Conservation of the Baiyangdian Lake Catchment	A member of the Principal Investigators	A program sponsored by the Global Environmental Facility for the integrated ecosystem restoration and biodiversity conservation of the Baiyangdian Lake Catchment.
2007	2008	Policy Study on endangered species protection in China, using Gibbon as an example	A member of the Principal Investigators	A program sponsored by the Kadoorie Farm and Botanic Garden, Hongkong for the policy study on endangered species protection in China.
2006	2008	Current situation and conservation countermeasure for urban wetland in Beijing	A member of the Principal Investigators	A program sponsored by Beijing Philosophic and Social Planning Office to provide conservation countermeasure for wetland conservation in Beijing.
2005	2005	Utilization of non-timber forest product in the northern area of Gaoligongshan National Nature Reserve in China	A member of the Principal Investigators	A program sponsored by the Nature Conservancy, US to study the Utilization of non-timber forest product in the northern area of Gaoligongshan National Nature Reserve in China.
2005	2005	Forestry administration structure in China	A member of the Principal	A program sponsored by the GTZ, Germany for the forestry administration

			Investigators	structure in China.
2004	2004	Adaption of small scale farmer to global market	A member of the Principal Investigators	A program sponsored by the CIDA, Canada to study how small scale farmer to adapt global market.
2004	2004	Mid-term assessment on conservation and development project funded by the WWF in Qinling	A member of the Principal Investigators	A program, sponsored by the World Wildlife Fund, US, is the mid-term assessment on conservation and development project funded by the WWF in Qinling.

### Publications

Year	Publication
2016	Explanation of China's Policy on International Cooperation and Coordination in Wildlife Conservation. Explanation of China Wildlife Conservation Act (Wang, H., editor in chief).
2016	Forest Market Theory in China.
2010	Study on wildlife conservation and statistics in China and other nations.
2009	Institutional reform of the collective forest and transfer of forestlands and stumpages.
2008	Study on wetland current situation and its conservation countermeasures in Beijing.

**Professor information**

Zhang Caihong

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**Educational background**

From	To	University/Institution	Degree and Major
1981	1985	Beijing Forestry University	Bachelor in Forestry Economics & Management
1985	1987	Beijing Forestry University	Master in Forestry Economics & Management
1996	1999	Beijing Forestry University	Ph.D. in Forestry Economics & Management

**Research projects**

From	To	Title of Project	Position	Project Description
2007	2010	Research on the resource of the woody oil plant and exploitation mechanism in China	Project chief	National Natural Science Foundation of China(NSFC) financed project
2011	2013	Study on the operation mechanism and the promotion pattern of biomass solid forming fuel project in Beijing rural areas	Project chief	Ministry of personnel and social security: The scientific and technological activities for the selected students studying abroad
2013	2015	Research on global renewable energy development prospect	Project chief	The project funded by the climate department of National development and reform commission
2013	2015	Study on commercial application model of biomass pellet fuel replacing fossil fuel	Project chief	Funded by UNDP China
2015	2017	Study on farmers' income increase and forestry development model in huairou water conservation	Project chief	Funded by Beijing beilin advanced eco-environmental technology research institute co. LTD

2018	2019	Forging strategies for sustainable development in Zhouqu County of Gansu province	Project chief	Funded by UNDP China
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### Publications

Year	Publication
2018	Fiscal decentralization and environmental pollution -- from the perspective of new structural economics, Journal of financial research, 2018(03), 50-70
2018	Evaluation on the carbon footprint and economic cost of power generation enterprises from the perspective of resource value stream, Journal of industrial technology economics, 2018 Vol. 37 (12)
2018	Analysis on the spatial and temporal evolution of per capita net income of farmers in ecological conservation areas in Huairou district, Beijing, Journal of forestry economics, 2018,40(03)
2018	Forest biomass energy resource potential estimation and change trend in China, Journal of world forestry research, 2018.11.3
2017	Review and revelation of research on the raw material supply of foreign biomass energy, Exploration of economic problems, 2017(06)
2017	Environmental value measurement and potential economic impact analysis of biomass energy projects, Technology management research, 2017(11)
2017	National Mangrove Restoration Project in Malaysia. Journal of Environment and Earth Science, Vol. 7, No. 11: 119-125
2016	Spatial and temporal pattern evolution of the forestry total factor productivity in China, Statistics and decision making,2016(08)
2016	Study on the consumption of carbon emissions from residents - take Henan province as an example, Resources and environment In dry area, 2016(06)

## 31 张颖

### Information of professor Zhang Ying



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#### Educational background

From	To	University/Institution	Degree and Major
1999	2000	Korea University	Post-doc., Forest economics and management
1994	1999	Beijing Forestry University	Ph.d, Master, Forest economics and management
1985	1989	Beijing Forestry University	Bachelor, Forest economics and management

#### Research projects

From	To	Title of Project	Position	Project Description
2018	2019	Construction of comprehensive benefit evaluation technology system for shelterbelt project in Yangtze river basin	project leader	State forestry and grassland bureau of the People's Republic of China(LYKY1023)
2017	2019	A statistical normative study on valuation methods and balance sheet construction of natural resource assets under the SEEA framework	project leader	State Statistics Bureau, P. R. China (2017LD03)
2016	2020	Integration and demonstration of the technology of sand - control and sand - fixation	Sub-project leader	National key research and development program, P. R.China (2016YFC0500905)
2016	2017	Research on willingness to pay for forest certification	project leader	State forestry and grassland bureau of the People's Republic of China(2015-R19)

2016	2017	Study on international experience of environmental assets accounting	project leader	Ministry of Ecological Environment of the People's Republic of China (HBXM141116)
2016	2017	Study on the balance sheet compilation of natural resources in Jingdong County, Yunnan Province	project leader	Chinese academy of environmental sciences (2016HXFWJGXY021)

### Publications

Year	Publication
2018	<p>[1]张颖,王美,王静.基于信息扩散理论的森林火灾风险分析及森林资源保护[J].环境保护,2018,46(19):38-43.</p> <p>[2]张颖,苏蔚.森林生态安全评价探析——以宁夏吴忠市为例[J].环境保护,2018,46(21):35-40.</p> <p>[3]张颖.生态资产核算和负债表编制的统计规范探究——基于 SEEA 的视角[J].中国地质大学学报(社会科学版),2018,18(02):92-101.</p> <p>[4]杜茂宝,张颖,苏蔚,曹先磊.京津冀市场一体化进程及其影响因素的度量分析[J].资源开发与市场,2018,34(06):813-818.</p> <p>[5]Ying Zhang, Yining Zhang.Evaluation and management of forest water conservationservices – taking Zhalantun City in Inner Mongolia, China as an example[J].Journal of Water and Climate Change,2018,9(04):679-690.</p> <p>[6]Li Tan,Zhang Qingguo,Zhang Ying. Modelling a Compensation Standard for a Regional Forest Ecosystem: A Case Study in Yanqing District, Beijing, China[J].International journal of environmental research and public health,2018,15(04):679-690.</p> <p>[7]Zhang Ying*, Cainan Zhang, Xiayu Jiang.Forest Resources Accounting in China[J].Current trends in Forest Research,2018,(01),1-5.</p> <p>[8]Ying Zhang, Xiaohong Zhou.The Evaluation of Forest Cultural Value Based on WTP: A Case Study in DiebuCounty of Gansu Province in China[J].Journal of Environmental Accounting and Management,2018,6(03):215-224.</p> <p>[9]Zhang Ying*, Cainan Zhang.Case study of comprehensive benefit evaluationand management of forest ecosystem services inZhalantun city of Inner Mongolia, China[J].Journal of Global Business Insights,2018,3(02):1-11.</p> <p>[10]李卓蔚,张颖.中国对日劳务输出的影响因素分析[J].市场研究,2018(05):26-29.</p> <p>[11]李俊生,张颖等.县域生态系统服务价值评估与自然资源资产负债表编制——以景东彝族自治县为例[M].北京:科学出版社,2018,3.</p>
2017	<p>[1]Zhang Ying.The latest research progress of forest economics andanalysis: Based on the review and analysis of studiesin the two international authoritative journalsframework of the system of national accounts[J].2017,12(42): 3120-3128.</p> <p>[2]张颖等.资源资产价值评估研究最新进展[J].环境保护,2017,45(11):27-30.</p>

- [3]Zhang Ying,Pan Jing,Chen Ke.Touristic Ecological Footprint of Jiufeng National Forest Park in Beijing Based onComponent Method[J].Journal of Landscape Research,2017,(01):943-989.
- [4]张颖,张一宁.国家森林城市应重视综合效益的发挥——以宁夏吴忠市为例[J].环境经济,2017(23):21-23.
- [5]张颖.绿色经济视角下的森林碳汇供给和需求的市場变化分析[A]. 中国环境科学学会.2016 中国环境科学学会学术年会论文集 (第一卷) [C].中国环境科学学会:中国环境科学学会,2016:8.
- [6]张颖,刘璐,何惠民,金笙.迭部县生态系统服务价值评价·管理与开发研究[J].安徽农业科学,2018,46(03):199-203.
- [7]刘璐,张颖.四川省森林认证支付意愿的统计研究[J].林业经济,2017,39(12):95-98.
- [8]潘静,张颖,李秀山.森林文化价值保护支付意愿及其评估研究——以甘肃省迭部县为例[J].干旱区资源与环境,2017,31(09):32-37.
- [9]Zhang Ying, Cainan Zhang.Comprehensive Benefit Evaluation and Management of Forest Ecosystem Services—Taking Zhalantun City in Inner Mongolia, China as an Example[J].Global Conference on Services Management (GLOSERV 2017)CONFERENCE PROCEEDINGS,2017,10:174-184.
- [10]曹先磊,张颖,石小亮,王康.碳交易视角下森林碳汇生态补偿优化管理研究进展[J].资源开发与市场,2017,33(04):430-435.
- [11]曹先磊,张颖.云南思茅松碳汇造林项目减排量、经济价值及其敏感性分析[J].生态环境学报,2017,26(02):234-242.
- [12]曹先磊,张颖,石小亮,单永娟.竹子造林 CCER 项目碳汇价值动态评估及敏感性分析[J].长江流域资源与环境,2017,26(02):247-256.
- [13]曹先磊,张颖.我国生猪饲料市场价格波动特征分析——基于产业链视角[J].华中农业大学学报(社会科学版),2017(01):55-63+142.
- [14]曹先磊,刘高慧,张颖,李秀山.城市生态系统休闲娱乐服务支付意愿及价值评估——以成都市温江区为例[J].生态学报,2017,37(09):2970-2981.
- [15]潘静,张颖,刘璐.基于 ARIMA 模型与 GM(1,1)模型的居民消费价格指数预测对比分析[J].统计与决策,2017(20):110-112.
- [16]张颖,潘静,陈珂.基于成分法的北京鹫峰国家森林公园旅游生态足迹研究[J].中南林业科技大学学报,2017,37(02):115-121.
- [17]张颖,申奇,周正火.森林认证认可与可持续经营[M].北京:知识产权出版社,2017,10

## 008 水土保持学院

32 牛健植

**Professor Jianzhi Niu**



### Personal information

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### Educational background

From	To	University/Institution	Degree and Major
2000	2003	Beijing Forestry University	Ph. D, Forestry Hydrology
1995	1998	Northeast Forestry University	M. S, Forestry Ecology
1991	1995	Jilin Forestry College	B. S, Forestry

### Research projects

From	To	Title of Project	Position	Project Description
2019	2022	Study on the Influence of Soil Macropores on Preferential Flow	Team leader of the project	This project aims to construct a technological test system of spatial network structure of soil macropores on preferential flow and explore the spatial and temporal occurrence of preferential flow to verify the area that preferential flow mainly occurs.
2018	2020	Study on the Evaluation and Assessment of Damaged Ecological Space and the Techniques of Ecological	one of 3 PIs	In order to solve the ecological damages, patchiness of ecological system our project was prepared to carried on along the Yongding river basin. Background research (i.e. soil properties, water, and plants) will be conducted in Northwest conservation area in Beijing. This project aims to



		Integrity Restoration in Northwest Conservation Area		evaluate and assess the foundations of different ecosystem.
2018	2019	Technical regulations for wind and sand fixation	one of 3 PIs	This project regulates the goals, principles, Construction, and management techniques of wind and sand fixation
2018	2018	Study on the Influence of Three-Dimensional Spatial Network Structure of Soil Macropores on preferential Flow	Team leader of the project	This project aims to construct a technological test system of spatial three-dimensional network structure of soil porosity on preferential flow, and reveal its influencing mechanism.
2017	2020	Industrial development and popularization of planting equipment for aquatic ecological restoration biological tools	Deputy Team leader of the project	This project analyze the technical bottlenecks in the process of commercialization, and conduct research on relevant market needs, and set clear goals and directions for the follow-up of bio-tools for commercialization and industrialization. Analyze the technical bottlenecks in the process of commercialization, and conduct research on relevant market needs, and set clear goals and directions for the follow-up of bio-tools for commercialization and industrialization.
2017	2019	Premier Fund Project of the causes of heavy air pollution and control: Assessment and control of soil wind erosion and dust emission	Deputy Team leader of the project	We aims to arise the efficiently strategies for controlling the heavy air pollution, and Investigate the influence factors of soil wind erosion and dust emission.
2017	2018	Agricultural Emissions Status and Enhanced	one of 4 PIs	Collecting and arranging technical measures for soil erosion and dust reduction, providing a basis for the next

		Management Program		step to determine the technical list and implementation details of soil erosion and dust reduction.
2017	2018	Construction and control technology of shelter forest system	one of 5 PIs	This project aims to solve the key problem of shelter forest protection.
2016	2017	Technical Regulations for the Construction of Shelter Forest System in Northern China	Deputy Team leader of the project	This project regulates the general rules and the technical requirements of Partitioning and configuration. These regulations adapt to all kinds of shelter forest system in northern china.
2016	2016	Beijing urban and rural economical green space construction technology and functional plant material efficient breeding	main researcher	The project mainly focuses on the urban and rural green space ecological network security and construction, ecological functional plant material selection, plant efficient reproduction and cultivation techniques, urban and rural ecological environment construction technology and other aspects of systematic research
2015	2020	Study on the Structure Mechanism and Ecological Function of Shelter Forest	one of 4 PIs	We aims to investigate the structures, and obtained the characteristics of ecological function of different shelter forests.
2015	2019	Study on Landscape Pattern Regulation and Spatial Allocation Technology of Shelter Forest System in Earth and Rock Mountain Area of North China	one of 4PIs	This project mainly focuses on the exploration of landscape pattern regulation and spatial allocation technology of shelter forest system.
2015	2015	Mechanism of Plant Purification of PM2.5 and Selection of Tree	Deputy Team leader of the	The purpose of the study is to study the mechanism and capacity of different tree species to purify PM2.5.

		Species	project	
2014	2015	Technical Regulation for Monitoring and Evaluation of Particulate Matter such as PM2.5 by Forest Ecosystem	one of 5 PIs	This project regulate the monitoring and evaluation techniques of PM2.5 in forest ecosystem.
2013	2016	National Natural Science Foundation of China: The mechanisms of tree roots on solute preferential transport.	Team leader of the project	The goal of this research project is to explore the difficult problem of quantifying the relationship between structure of tree roots and the formation and migration of solute preferential transport.
2011	2015	The Fundamental Research Funds for the Central Universities: The mechanics of spatial configuration of protection forest systems on water resources.	Team leader of the project	This project aimed to investigate the spatial configuration of protection forest systems to better protect the water resources.
2011	2013	Research and Demonstration of Construction Technology of Water Conservation Forest System in the Upper Reaches of Liaohe River	Deputy Team leader of the project	According to the special requirements of water conservation forest construction in different regions, the project will carry out trial and demonstration and establish a perfect technical test demonstration zone to form a model demonstration model for water source conservation forest construction in typical water source areas, and provide scientific and technological support for the construction of water conservation forest system in China.
2011	2013	Study on Regulation and Control of Water	main researcher	This project quantitatively evaluated the impacts and regulation mechanisms of typical forest vegetation on the

		Resources Formation Process by Typical Forest Vegetation		precipitation input process in Northeast China, North China, Northwest China, East China, Central South and South China, and analyzed the typical regional forest vegetation water from the slope and watershed scales. The influence mechanism of the resource formation process quantitatively evaluated the influence of forest vegetation on the various components of runoff in the basin, revealed the regional characteristics and changes of forest vegetation impact on water resources, and proposed the technical scheme for the coordinated management of regional forest vegetation and water resources.
2011	2013	Research and Demonstration of Construction Technology of Water Conservation Forest System in "Three North" Area	main researcher	This project based on a comprehensive analysis of the water source protection and ecological environment and socio-economic development characteristics of the "Three North" area, the directional restoration from the water conservation forest type, the low-functional artificial water source conservation forest structure orientation regulation, and the small watershed water purification function-oriented type Systematic technical research on the allocation of water conservation forests.
2009	2011	Study on Influence of Land Use/Cover on Water Cycle and Hydrological Ecological Response in Multi-scale Coupling Watershed of Loess Plateau	one of 3 PIs	This project analyzes the eco-hydrological response process of different scale basins in the Loess Plateau in the future changing environment, and reveals the impact and adjustment mechanism of land use/cover on hydrological functions, and analyzes the hydrological ecology of multi-scale basin coupling. The response mechanism of land use change provides an important theoretical basis for the protection, development and rational utilization of

				water resources in the Loess Plateau and ecological environment construction projects.
2009	2011	National Natural Science Foundation of China: The effect of solute preferential transport on water quality in Miyun reservoir watershed; based on model.	Team leader of the project	This project aims to analyses the laws of solute transfer. Meantime, the effects of preferential flow on surface and ground water quality had been deeply investigated.
2007	2012	Sub-project of State Great Basic Theory Research Project: Regulation and control principle and harness paradigm for soil and water loss in Loess Hilly-gully Region	Team leader of the project	This project aims to analysis the characteristics of water and soil loss, basic control objectives and erosion and sediment yield in the main water erosion areas of the Loess Plateau, Northeast black soil region, Northern rocky mountain region, Southern red soil region and Southwest purple soil region. We aims to reveal the comprehensive regulation of soil erosion in the main water erosion areas, and analyze the evolution of the regional pattern of the comprehensive governance paradigm and the structure and function of the regulatory paradigm.
2007	2009	Study on the preferential Flow Movement Law of Dark Coniferous Forest Ecosystem in the Upper Reaches of the Yangtze River	Deputy Team leader of the project	This study aims to systematically analyze the influence of preferential flow on the runoff process, and provide a theory for the study of soil water movement law and effective watershed management in the dark coniferous system of the upper reaches of the Yangtze River.
2006	2012	State Key Science & Technology Pillar Program in the Eleventh FiveYear Planning:	Team leader of the project	This project aims to divided study area by ecological functions. And on this basis targeted protection of water resources and forest ecosystems were taken.

		Research on protecting forest system spatial distribution based on spatial differences and ecological water use		
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### Publications

Year	Publication
2019	Roots-Enhanced Preferential Flows in Deciduous and Coniferous Forest Soils Revealed by Dual-Tracer Experiments
2019	Jie Du,Jianzhi Niu,Zhaoliang Gao,Xiongwen Chen,Linus Zhang,Xiang Li,Natalie S. van Doorn,Ziteng Luo,Zhijun Zhu. Effects of rainfall intensity and slope on interception and precipitation partitioning by forest litter layer[J]. Catena,2019,172.
2019	Effects of lower layer pruning on water retention characteristics of tree species
2019	Temporal and Spatial Variations and Driving Forces of NDVI in Yanghe River Basin
2018	Chen Meng,Jianzhi Niu, Zhengcong Yin,Ziteng Luo,Xingna Lin,Jingwei Jia.Characteristics of rock fragments in different forest stony soil and its relationship with macropore characteristics in mountain area, northern China[J].Journal of Mountain Science,2018,15(03):519-531.
2018	Xiang Li,Yiwei Zeng,Siyu Zhu,Jianzhi Niu,Jiao Li,Xiaoqing Du.Evaluation of Runoff Erosion Process and WEPP Model Applicability in Beijing Mountainous Area[J].Journal of Soil and Water Conservation,2018,32(03):98-106.
2018	Xiang Li , Yaming Wang, Chen Meng,Jiao Li , Jianzhi Niu. Dynamic crown interception model based on sapling simulated rainfall experiment[J].Journal of Beijing Forestry University,2018,40(04):43-50.
2018	Xingna Lin, Jianzhi Niu, Jingwei Jia, Ziteng Luo, Jie Du.Spatial and Temporal Variation Characteristics of Vegetation Index in the Upper Reaches of Qingshui River in Zhangjiakou[J].Science of Soil and Water Conservation,2018,16(01):123-130.
2017	Xiang Li,Qingfu Xiao,Jianzhi Niu,Salli Dymond,E. Gregory McPherson,Natalie Doorn,Xinxiao Yu,Baoyuan Xie,Kebin Zhang,Jiao Li. Rainfall interception by tree crown and leaf litter: An interactive process[J]. Hydrological Processes,2017,31(20).
2017	Chen Meng,Jianzhi Niu,Xiang Li,Ziteng Luo,Xiaoqing Du,Jie Du,Xingna Lin,Xinxiao Yu. Quantifying soil macropore networks in different forest communities using industrial computed tomography in a mountainous area of North China[J]. Journal of Soils and Sediments,2017,17(9).
2017	Yinghu Zhang ,Jianzhi Niu,Mingming Zhang,Zixing Xiao,Weili Zhu,

	Interaction Between Plant Roots and Soil Water Flow in Response to Preferential Flow Paths in Northern China. <i>Land Degradation &amp; Development</i> . 2016, 28(2):648-663
2016	Yinghu Zhang, Mingming Zhang, Jianzhi Niu, hongli Li, Rong Xiao, Haijin Zhang , Bech Jaume. Rock fragments and soil hydrological processes: Significance and Progress. <i>Catena</i> . 2016, 147:153-166
2016	Xiang Li, Jianzhi Niu, Zhang Linus, Qingfu Xiao, McPherson Gregory E., van Doom Natalie, Xinxiao Yu, Baoyuan Xie, Dymond Salli, Jiao Li, Chen Meng, Ziteng Luo. A study on crown interception with four dominant tree species: a direct measurement. <i>Hydrology Research</i> . 2016, 47(4): 857-868.
2016	Yinghu Zhang, Mingxiang Zhang, Jianzhi Niu, The preferential flow of soil: A widespread phenomenon in pedological perspectives. <i>Eurasian Soil Science</i> . 2016, 49(6):661-672.
2016	Xiang Li, Qingfu Xiao, Jianzhi Niu, et al. Process-based rainfall interception by small trees in Northern China: The effect of rainfall traits and crown structure characteristics. <i>Agricultural &amp; Forest Meteorology</i> . 2016, 218-219:65-73
2016	Yini Han, Jianzhi Niu, Zhongbao Xin, Zhang Wei, Zhang Tielin, Wang Xilin, Zhang Yousong, Optimization of land use pattern reduces surface runoff and sediment loss in a Hilly-Gully watershed at the Loess Plateau, China. <i>Forest Systems</i> . 2016, 25(1):45-54
2016	Chen Meng, Jianzhi Niu, Xiang Li, et al. Quantifying soil macropore networks in different forest communities using industrial computed tomography in a mountainous area of North China. <i>Journal of Soils &amp; Sediments</i> . 2016:1-14.
2016	Ziteng Luo, Jianzhi Niu, Chen Meng, Yinghu Zhang, et al. Effects of Distribution of Rock Fragment on Macropores and Hydraulic Conductivity in Forest Soil in Rocky Mountain Area of Northern China. <i>Journal of Soil and Water Conservation</i> . 2016, 30(3): 305-308
2016	Jun Xu, Jianzhi Niu, Chenhan Xu, Zhentai Pan. A Study on the Technology of Vegetation Horizontal and Vertical Structure Configuration in Secondary Degeneration Area Based on the Natural Succession Rule. <i>Journal of Northwest Forestry University</i> . 2016, 31(3):15-22
2016	Sheng Yan, Jianzhi Niu. Study on soil properties and saturated hydraulic conductivity of different elevation of Jiufeng Area. <i>Beijing Agriculture</i> . 2016, 2(6):225-228
2016	Jun Xu, Jianzhi Niu. The Foliage and Litter Interception Characteristics of Common Tree Species in Jiufengshan Mountain Area of Beijing. <i>Journal of Soil and Water Conservation</i> . 2016, 2(1):103-110
2016	Chen Meng, Jianzhi Niu, Xiaoli Wu, et al. Soil Structure and Water Transport Capacity at Different Altitudes in Jiufeng Area. <i>Bulletin</i> . 2016, (1):106-109
2015	Yinghu Zhang, Jianzhi Niu, et al. Effects of plant roots on soil preferential pathways and soil matrix in forest ecosystems. <i>Journal of Forestry Research</i> . 2015, 26(2)
2015	Yinghu Zhang, Jianzhi Niu, et al. Effects of fine root length density and root

	biomass on soil preferential flow in forest ecosystems. <i>Forest Systems</i> . 2015, 24(1).
2015	Yini Han, Jianzhi Niu, Feizhou Wu. Land-use changes in the small watershed of the Loess Plateau, hilly-gully region, China. <i>Journal of Forestry Research</i> . 2015, 26(1):91-99
2015	Xiaoqing Du, Jianzhi Niu, Kun Huo, et al. Soil characteristics of preferential flow area and matrix flow area in Rocky Mountain Area of Northern China. <i>Science of Soil and Water Conservation</i> .2015,13(3):51-57
2015	Chen Meng,Jianzhi Niu,Ziteng Luo, et al. Soil Properties and Saturated Hydraulic Conductivity Under Different Plant Communities in Jiufeng Area. <i>Journal of Soil and Water Conservation</i> .2015,29(3):156-160
2015	Pengwei Bao,Jianzhi Niu,Shangjie Chen. Analyzing Blocking Effects of 8 Kinds of Evergreen Landscape Vegetation on PM10 and PM2.5 by Indoor Simulation. <i>Journal of Soil and Water Conservation</i> .2015,29(6):160-164
2015	Yinghu Zhang, Jianzhi Niu,Weili Zhu,Wei Han,Xiaoqing Du, Shangjie Chen.Effects of forest roots on preferential flow in forest ecosystems[J]. <i>Acta Ecologica Sinica</i> ,2015,35(06):1788-1797.
2015	Shangjie Chen,Jianzhi Niu,jiao Li. Characteristics of Mass Concentration Variations of PM2.5 in the Road Greenbelts. <i>Journal of Soil and Water Conservation</i> .2015,29(2):100-105
2014	Xiang Li, Jianzhi Niu,Baoyuan Xie. The Effect of Leaf Litter Cover on Surface Runoff and Soil Erosion in Northern China. <i>Plos One</i> . 2014, 9(9)
2014	Yini Han, Jianzhi Niu, Yousong Zhang. Comparison of application of SWAT and WetSpa Extension in Luoyugou watershed. <i>Journal of Water Resources and Water Engineering</i> . 2014, 3(27).
2014	Sediment yield and sediment concentration data corresponding to each treatment and simulated rainfall event.
2014	Yini Han,Jianzhi Niu,Yousong Zhang.Comparison of SWAT and WetSpa Extension in Luoyugou Watershed[J]. <i>Journal of Water Resources and Water Engineering</i> ,2014,25(03):133-137.
2014	Yinghu Zhang, Jianzhi Niu, Yini Han, et al. Effects of plant roots and rock fragments on rate of water movement in Jiufeng area. <i>Journal of Arid Land Resources and Environment</i> . 2014, 5(21)
2014	Yinghu Zhang, Jianzhi Niu,Jiao Li, et al. Advances in Effects of Rock Fragments Parameters on Soil Water and Solute Transport: A review. <i>Soil</i> . 2014, 46(4):589-598
2013	Xiang Li,Jianzhi Niu, Baoyuan Xie. Study on Hydrological Functions of Litter Layers in North China. <i>Plos One</i> . 2013, 8(7):1-11
2013	Yinghu Zhang,Jianzhi Niu,et al. Analysis of Preferential Flow Phenomenon in Jiufeng National Forest Park . <i>Journal of Soil and Water Conservation</i> . 2013, 27(1):41-50
2013	Jiao Li, Jianzhi Niu. Study on the soil water chrscteristics of R. Pseudoacacia and P. Orientalis in the west of Beijing. <i>Research of Soil and Water Conservation</i> . 2013, 20(1):1-4



2013	Yinghu Zhang,Jianzhi Niu,Xilin Wang, et al. Influence Analysis of Irrigation Area Composition of Wel-irrigation District on Irrigation Water Use Efficiency in China. <i>Journal of Irrigation and Drainage</i> . 2013, 32(3): 33-38.
2013	Xiaoli Wu, Jianzhi Niu,Jiao Li, et al. Erosion properties of Artificial <i>Platycladus orientalis</i> Plantation. <i>Jiangsu Agricultural Sciences</i> . 2013, 41(3):296~299
2012	Yuli Zhao,Jianzhi Niu. Analysis of Properties and Problems about Artificial Rainfal Simulation Tests. <i>Research of Soil and Water Conservation</i> . 2012, 4: 060.
2011	Weili Zhu, Zixing Xiao, Jianzhi Niu, et al. Comparative analysis of two models fitting soil moisture characteristic curve. <i>Hunan Agricultural Sciences</i> . 2011, 2011(17): 47-51
2011	Yousong Zhang,Zixing Xiao, Jianzhi Niu, et al. Spatial and Temporal Distribution Rules of Rainfall Erosivity in Luoyugou Watershed Based on GIS. <i>Hunan Agricultural Sciences</i> . 2011(15):87-90
2011	Zixing Xiao, Weili Zhu,Jianzhi Niu, et al. Soil Preferential Flow under Different Forest Stands in Jiufeng National Forestry Park. <i>Hunan Agricultural Sciences</i> . 2011(17):118-121
2011	Zixing Xiao,Yousong Zhang,Jianzhi Niu, et al. Characteristics of Soil Solute Transport in Jiufeng National Forestry Park. <i>Hunan Agricultural Sciences</i> . 2011(15):63-66.
2010	Wei Zhang, Jianzhi Niu, Morales V L, et al. Transport and retention of biochar particles in porous media: effect of pH, ionic strength, and particle size. <i>Ecohydrology</i> , 2010, 3(4): 497-508.
2010	Zhuo Yang,Quan Li,Jianzhi Niu, et al. Land use and land cover change in the farming -pastoral ecotone of Northeastern China. <i>Research of Soil and Water Conservation</i> . 2010, (4)
2010	Feizhou Wu, Zuo Yang, Jianzhi Niu, et al. Study on Relationships Between Land Use Change and Soil and Water Conservation Measures in Typical Watershed of Loess Plateau Hilly and Gully Region. <i>Research of Soil and Water Conservation</i> , 2010, 2.
2009	Ying Zhang,Baoyuan Xie,Xinxiao Yu,Jianzhi Niu,Wei Li ,Yongjie Yue.Effects of Canopy of Typical Tree Species on Rainfall and Rainfall Characteristics in the Loess Plateau[J]. <i>Journal of Beijing Forestry University</i> ,2009,31(04):70-76.
2009	Jianzhi Niu,Xinxiao Yu, Zhiqiang Zhang.Analysis of solute preferential transport in the dark coniferous forest ecosystem of Gongga Mountain[J]. <i>Journal of Beijing Forestry University</i> ,2009,31(05):48-53.
2018	Watershed ecological hydrological process and mechanism
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2016	Hydrology and Water Resources (3rd Edition)
2013	Forest ecosystem priority flow study