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# Document details

**Title**

Forest ecosystem services and their valuation in Wulingyuan Natural Reserve.

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**Journal**

Scientia Silvae Sinicae 2004 Vol. 40 No. 2 pp. 16-20

**ISSN**

1001-7488

**Record Number**

20053040279

Forest is one of the most complicated terrestrial ecosystem in the world and it plays an important role in sustaining the global life system. Forest services include water conservation, prevention of soil erosion, climate regulation, environmental purification, biodiversity conservation, and recreation. Based on the characteristics and connotation of forest ecosystem services, physical and value assessment methods, including the market value method, shallow engineer method, production cost method and opportunity cost method, were used to evaluate the forest ecosystem services in Wulingyuan Natural Reserve (WNR), China. The total annual service value of the forest ecosystem in WNR in 2002 was up to  $2.05 \times 10^7$  yuan (RMB), of which  $1.22 \times 10^8$ ,  $6.54 \times 10^7$ ,  $7.16 \times 10^7$ ,  $3.22 \times 10^7$ ,  $8.98 \times 10^7$  and  $1.67 \times 10^9$  yuan were for water conservation, CO<sup>2</sup> absorption, O<sup>2</sup> release, soil fertility conservation, environmental purification and forest recreation, respectively.

## About this document

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**Publication type**

**Journal article**

**Publisher**

**Chinese Academy of**

**Forestry****Year of publication:****2004****Location of publication:****Beijing****Country of publication****China****Language of publication****Chinese****Language of summary****English****Geographical location****China****Subject Category (CABICODE)****EE112 - Forestry Economics, (New March 2000)****EE115 - Natural Resource Economics, (New March 2000)****JJ200 - Soil Chemistry and Mineralogy****JJ600 - Soil Fertility****KK100 - Forests and Forest Trees (Biology and Ecology)****PP200 - Water Resources****PP400 - Erosion: Soil and Water Conservation****PP500 - Meteorology and Climate****PP600 - Pollution and Degradation**

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**CAS registry number**

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**7782-44-7**

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