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# The Forest Ecosystem Services and Their Valuation in Gansu Province

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According to the content of the forest ecosystem system service function, combined with the material quantity and value quantity evaluation methods, the shadow engineering method, market value method, production cost method, the economic value of the forest ecosystem services were evaluated. The results showed: the value of water holding is 2.56 billion yuan/a; the value of vegetation's soil and fertilization conservation is 47.48 billion yuan/a; the value of purification is 2.48 billion yuan/a; the value of CO<sub>2</sub> fixation is 115.32 billion yuan/a; the value of O<sub>2</sub> production is 131.24 billion yuan/a; the value of absorption SO<sub>2</sub> is 3.88 billion yuan/a; the value of suppression dust is 156.39 billion yuan/a; and the total value of ecosystem services is 447.12 billion/a. The rate of contribution to the bush wood is the highest, accounting for 41.64% of the total value.

【Key Words】 : **forest ecosystem system ecosystem service valuation Gansu province forest.**

【Fund】 : 国家自然科学基金项目(40371003)

【CateGory Index】 : S718.5



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