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### The Study of the Classification System for Travel Rubbish

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## The study of the classification system for travel rubbish

Chi Zhang<sup>1,a</sup><sup>1</sup>Taiyuan University of Technology, Taiyuan, shanxi, P.R.China<sup>a</sup>tyut007@tom.com**Keywords:** Travel rubbish, classification, treatment

**Abstract.** Improper waste disposal will affect the travel experience of tourists, endanger human health. This paper demonstrates the definition of travel rubbish, the system of source classification, the classification system of physical and chemical properties, the system classification of collection and transfer system, treatment and disposal methods, the grade division of disposal scale and so on, which has a good guidance to the management of travel rubbish.

### Introduction

China has rich culture, natural landscape resources of these countries. Numerous humanities resorts, Buddhist mountains, forest parks, nature reserves attract a large number of domestic and foreign tourists. In recent years, with the development of economy, improvement of people's living standards, the acceleration of the construction of transport facilities, our country has become a tourism center for the travel crowd. However, as tourists are playing, they also bring a lot of travel rubbish to scenic spot, which leads to varying degrees of pollution and destruction on the ecological environment [1,2], thus affecting the tourist experience, damaging the tourism image, impacting the tourism revenue, endangering the health of the tourists and tourism employees and inducing environmental accidents, threatening the tourism security. The travel rubbish at home and abroad has not yet formed a systematic classification system. So it is extremely necessary to carry out systematic sampling, detection, analysis, establish classification system for travel rubbish and propose the science processing mode for travel rubbish.

### The definition of travel rubbish

Travel rubbish is a broad sense, including both physical forms and cultural forms. These two forms are not completely isolated, but to affect each other. Travel rubbish of cultural forms will promote to generate cultural forms, and the physical forms will also contribute to the deluging of cultural forms. However, only the travel rubbish of physical forms is studied in the field of environmental science. Travel rubbish of physical forms includes rubbish generating both from tourism-related fixed field and flow field (such as the rubbish generating from cars, boats, aircraft and other transports) [3]. Also it includes solid, liquid and gas waste. For example, waste petrol, automobile exhaust, catering waste gas, waste water. However, from the strict discipline, the "rubbish" can be referred in particular to solid waste.

Therefore, from narrow sense, travel rubbish can be defined as: travel rubbish is the discarded solid, semi-solid waste material which generates in the scenic spot and the development and construction, service management, tourist flows, the process of consumption of the cultural relics, and can not be used within a certain time and place.



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