

## Research Article

### Food Safety Supervision under the View of Scientific Development Outlook

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**Abstract:** Based on the guidance of the concept of scientific development theory, the food regulatory authorities can grasp the actual situation that supervision is facing, so as to put forward practical and feasible strategies according to the presenting problems. In this study, it takes the definition of food safety supervision as the starting point, with the interpretation of the the guidance of the scientific development for food safety supervision, it discusses the coping strategies for China's food safety supervision at the present stage.

**Keywords:** Food safety supervisions, scientific development, strategies

#### INTRODUCTION

The repeated outbreaks of food safety as well as the social risks that may be caused by these problems have attracted great attention from the academic community. All fields of society hope that our human beings can provide a theoretical basis for making scientific and reliable decision through the in-depth study on the food safety supervision theory (Chen, 1995). Food safety refers to the planting, breeding, processing, packaging, storage, transportation, sales, consumption and other activities of foods should be in accordance with the national mandatory standards and requirements, there should not exist the possible toxic and harmful substances to cause human health damage or substances that can threaten consumer's life and lead to death or substances that may endanger consumers for future generations. This concept shows that food safety should be including safe production, safe operation; in other words, the results should be of security, at the same time, the process should also be of security. As shown in Fig. 1.

#### MATERIALS AND METHODS

The food safety supervision can be defined as: the government in accordance with the laws and regulations, giving standardized supervision and management for food production operators, in order to protect the public health and life safety (Berkhout and Howes, 1997). This regulation is in an effort to protect sanitation, health and safety of citizens and prevent the loss of property, with the government intervention for the purpose of ensuring the national security, its essence is to improve the social welfare. As shown in Table 1.

**The reason of causing food safety problem:** From the perspective of economic management, the occurrence

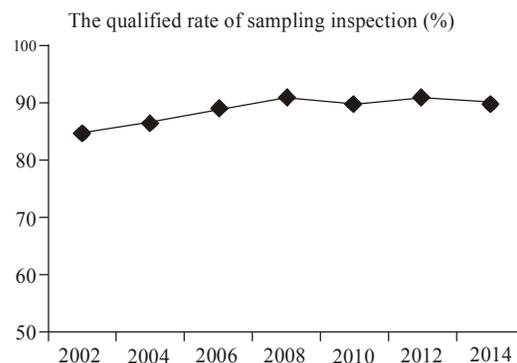


Fig. 1: The trend of annual average pass rate of food sampling inspection (2000-2014)

of food safety problem is essentially due to the economic and social development, since people's food consumption is increasingly diversified, with the features of deep processing and convenience, the risk of causing food safety is largely increased (Bobeng and David, 1978).

The food safety problem according to the origin can be divided into two categories, namely "ignorance" and "unscrupulous". "Ignorant" problem is using new technology and so on that can bring uncertainty risks, the manufacturers of the products can completely fulfill legal and moral obligations but the food safety problem still can not be avoided, such as DDT, clenbuterol, etc.. Once these technologies are widely used, which ultimately cause safety problems. "Unscrupulous" problem refers that during the process of food production and manufacturing, the manufacturers of the products are driven by interest, thus they selected and used materials that are on the contrary to the moral integrity, such as identity fraud, malicious counterfeit, illegal use of food safety problems caused by the means of adding materials, such as the use of banned

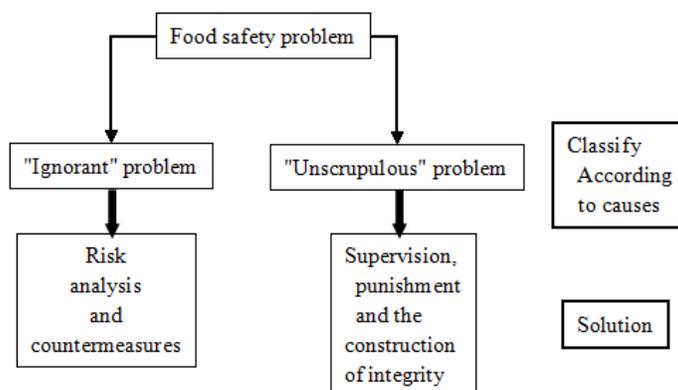


Fig. 2: Reasons of causing food safety problem and solutions

Table 1: The division of China's food safety supervision department

Department	Management function
The ministry of health	Responsible for the comprehensive supervision of food safety; undertake the comprehensive coordination of food safety
Food and drug administration	Responsible for food safety supervision in catering industry consumption
The ministry of agriculture	Responsible for the supervision on production of agricultural products
General administration of quality supervision, inspection and quarantine	Responsible for the production and processing of food and the supervision on imported and exported food
The state administration for industry and commerce	Responsible for the supervision of food circulation

pesticides etc.. Based on the differences of causing food safety problems, we should take targeted measures to deal with food safety problems, which can be shown in Fig. 2.

## RESULTS AND DISCUSSION

**The guiding significance of scientific development outlook on food safety supervision:** Scientific development outlook is the proposed guiding ideology for solving the encountered problems of development for our country at the new stage in the new period (FAO/WHO, 2003). On one hand, development is the first prerequisite of scientific development outlook. Moreover, people-oriented concept is the core of scientific development outlook. And comprehensive coordination and sustainable development is the basic requirements of Scientific development outlook. Lastly, overall consideration is the fundamental approach of scientific development outlook.

From the food safety point of view at this stage, food safety supervision is an important way to improve people's health level. Since the improvement of people's living standard can promote social construction, so food safety supervision is an important work in social construction. People-oriented is the basic principle of food safety supervision, scientific supervision concept is an important concept for food safety supervision work, overall consideration is an effective method for food safety supervision work, through the concept of scientific development theory, many regulatory problems can be solved, therefore, the supervision can be carried out smoothly, the safety of food supply to mass can be gradually increased, which can promote

the food industry to have flourish development continuously.

### **The countermeasures of china's food safety regulation:**

#### **Improving food safety and public participation:**

Food safety is a huge systematic project, which can not be depended on government departments only. The need to mobilize the public to participate in supervision, so as to form a harmonious, orderly social supervision system eventually is very necessary. The social supervision system should become a necessary supplement to government regulation, mainly including consumers, a variety of food industry associations, consumer protection organizations and other social groups, namely a kind of food safety supervision with universal participation (Antle, 1996). Among them, the government should be in a leading position in food safety supervision system, which can play the role of external supervision; enterprises are the power of pre-supervision and prevention; while the public, the media and other social organizations can be the third party supervision, which can make up the insufficient of government supervision.

#### **The establishment of food safety information disclosure system:**

Through the exchange of information disclosure, on one hand, it can promote the food safety information with the purpose of supervision; on the other hand, it can improve regulatory transparency, which can improve the public trust in government. As for the release of food safety information, it should be standardized, systematic, efficient, so as to realize the release of information on

food safety accidents timely and efficiently. As for the content of information, it should include all kinds of food inspection and results, food industry standard information, authentication information, quality information and so on. Secondly, as for food safety information management, it should realize the sharing of information, in this way, it can ensure the information of food safety to be smoothly and scientifically transferred. Finally, it should continue to play its unique role in releasing information to the media, but it should be regulated, so as to pass its positive energy when it released information to the media.

**The establishment of credit archives in food industry:** It is necessary to establish the credit archives both for individuals and food industry institutions gradually; clearing the credit rating of the food industry, at the same time, it is necessary to show its credit rating to the public regularly, so as to accept the social supervision. At the same time, the credit record should be linked with the bank credit, with the implementation of food production and access system. By the establishment of credit archives in food industry, it can prevent the individuals and enterprises that had bad behavior record from being engaged in the food industry again.

### CONCLUSION

The supervision departments at all levels should implement scientific development outlook, combined

with China's actual situation of supervision, targeting the outstanding problems, so as to establish a sound regulatory system. The establishment of scientific supervision system, the updating detection technology, the cultivation of excellent law enforcement personnel can strengthen supervision, which can do everything possible to efficiently complete the task of supervision, so as to improve the quality and safety of food. Only in this way, it can protect the people's health, so as to enhance the competitiveness of food industry in China.

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