

Editor's Introduction

In order for the International Journal of Risk Analysis and Crisis Response (JRACR) to be indexed in Science Citation Index (SCI), the Society for Risk Analysis - China (SRA-China) is strengthening the relevant work to JRACR. SRA-China appointed Prof. Mu Zhang publication chairman, who works in Guizhou University of Finance and Economics. He will be responsible for JRACR's Editorial Board. SRA-China appointed Dr. Junxiang Zhang director of JRACR Editorial Department, who works in Huangshan University.

In the last issue of this year, the six papers can be divided into three categories: risk management, risk assessment and financial risk.

There is one paper on risk management, "A Two-Step Water-Management Approach for Nuclear Power Plants in Inland China" by Xiaowen Ding, Guohe Huang, Wang Wei, et al., which reviews the inland nuclear power industry and its policies in China. A two-step water-management (TSWM) approach for the plants is proposed in this paper. The framework includes the flow process, main tasks, and tools of TSWM management for any nuclear power plant in inland China. Finally, suggestions on future development of the management are also put forward.

There are three papers on risk assessment. The first paper "Ship to Ship Transfer of Cargo Operations: Risk Assessment Applying a Fuzzy Inference System", by Dimitrios I. Stavrou and Nikolaos P. Ventikos, applies fuzzy inference system as a novel approach for risk assessment for Ship to Ship transfer operations. The advantages of the fuzzy approach are highlighted through the application of the Mamdani's method for hypothetical accident scenarios. The second paper, "Study on Risk Evaluation based on Occupational Exposure Evaluation and Carcinogenic Risk Simulation" by Qian Zhang, Deyin Huang and Mao Liu provides the quantitative risk evaluation for 1,3-butadiene-exposure by using physio-logically based pharmacokinetic model and dose-response model. A large chemical enterprise in Tianjin, China, is selected as the case study and carcinogenic risk evaluation for 1,3-butadiene-exposed workers is calculated. The results show that the cancer risk of 1,3-butadiene-exposed workers obviously exceeds 1×10^{-4} the maximum acceptable risk level. The third paper "Flood Disaster Risk Assessment and Spatial Distribution Characteristics along the Yangtze River in Anhui Province" by Xianfu Cheng, Honghu Sun, Zhang Yuan and Guanglai Xu uses analytic hierarchy process and entropy method to determine the weight of index. A fuzzy comprehensive evaluation model of risk assessment was constructed in this paper. Flood risk index and risk rating of area along the Yangtze River in Anhui province were drawn by using GIS spatial analysis technology. From disaster causing factors, inducing environment and bearing body, average maximum 3-day rainfall, rainstorm number, vegetation coverage, river network density, standard deviation of the elevation, population density, proportion of rural population, density of GDP, per capita net income of farmers, cultivated land area ratio were selected as evaluation indicators. The results show that flood risk rating and risk index of area along the Yangtze River in Anhui province has a spatial distribution characteristics from south to north gradually reduced.

There are two papers on financial risk. The first paper "Individual, Community and Societal Effects of the Global Financial Crisis: a Bioecological Model" by Francesca Eleuteri and Lisa Saskia Arduino aims to understand the individual, community and societal effects of the global financial crisis by examining several studies using the bioecological model. The analysis suggests that coping methods for the global financial crisis are highly associated with: social policies and labour market programmes, social support, employment status and individual vulnerability. The second paper "Bill Business Risk and Prevention of Small and Medium Commercial Bank", by Yanling Hu, reviews main risks in bill business of small and medium commercial banks, analyzes the reasons of the risks, and suggests five preventive measures to them.

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