

## Editorial

- 499 Dietary Diversity during Pregnancy: Constructing a Metabolic Barrier for Maternal and Infant Health  
Guo Cheng

## Original Articles

- 501 Short-term Ozone Exposure and Its Impact on Mortality Risk from Circulatory System Diseases: A Comparative Analysis Based on Multi-source Data  
Chaodong Long, Shunshun Zhang, Wenjing Su, Mike Z. He, Qinghua Sun, Cheng Liu, and Tiantian Li
- 512 Microbial Diversity in Airport Terminal Environments and Potential Aerosol Transmission Risks  
Zhuona Zhang, Qin Wang, Xiaoyan Dong, Xia Li, Bo Lu, and Dongqun Xu
- 529 Modifying Effect of Wind Speed on the Temperature-humidity Interaction Impacting Hand, Foot, and Mouth Disease as Assessed by Years Lived with Disability in Western China  
Jie Sun, Junyan Xi, Zhishen Wu, Wangjian Zhang, Jianjun Bai, Yining Xiang, Yucan Zhang, Jijia Wang, Shihao Wang, Jing Gu, Yuantao Hao, and Xiao Lin
- 541 Low Cardiac Output Augmentation during Exercise Stress Echocardiography at Low Altitude Predicts High Risk of Acute Mountain Sickness  
Yang Shen, Boji Wu, Zhen Liu, Yuanqi Yang, Chun Li, Siming Gong, Shizhu Bian, Xi Liu, Chen Zhang, Jihang Zhang, Chuan Liu, and Zhexue Qin
- 553 Modifiable Risk Factors and Socioeconomic Inequity in Diabetes: A Prospective Analysis in the UK Biobank  
Yanbo Zhang, Qi Lu, Yanfeng Zhou, Junxiang Chen, Tingting Geng, Yue Li, Oscar H Franco, Carmen R. Isasi, Qibin Qi, Yunfei Liao, Gang Liu, and An Pan
- 564 APOE  $\epsilon$ 4 Allele is Associated with Cognitive Impairment in Chinese Sporadic ALS: A Retrospective Cohort Study  
Qionghua Sun, Xuan Xuan, Yuguo Du, Yucui Zhai, Tie Ma, Feng Duan, Cuiqiao Xia, Xusheng Huang, Yonghua Huang, and Hongfen Wang
- 572 Histopathological Assessment Using SAF Scoring: Investigating Risk Factor Correlations with Disease Severity in MASLD Patients  
Xinxin Li, Yaqin Zhang, Shuojie Wang, Zixuan Gao, Yao Xie, Minghui Li, and Yuanjiao Gao

## Letters

- 584 Association of Ambient PM<sub>2.5</sub> Components with Lung Function in Adults Aged 40–89 Years: A Cross-sectional Study in China  
Yunhan Zou, Ning Li, Yu Wang, Jiaonan Wang, Chen Chen, Jianlong Fang, and Xiaoming Shi
- 591 Evaluating the Roles of PM<sub>2.5</sub> and Its Components in Frailty: An Integration of Epidemiological and Network Toxicological Evidence  
Jia Qiu, Parastou Abbasian, Yinghao Yuchi, Jian Zhang, Ziyuan Zhang, Huanxiang Zhang, Chunwei Luo, Jian Hou, Xiaotian Liu, Mu Wang, and Chongjian Wang
- 597 Compound K Mitigates PM<sub>2.5</sub>-induced Premature Senescence in ARPE-19 Human Retinal Pigment Epithelial Cells through Activation of the Nrf2/HO-1 Pathway  
Cheol Park, Beom Su Park, Tae Hwan Shin, Hyuk Soon Kim, Sun-Hee Leem, Jaewon Lee, Heui-Soo Kim, Cheng-Yun Jin, Gi-Young Kim, and Yung Hyun Choi
- 604 PM<sub>2.5</sub> Exposure-induced Lung Injury in Mice *via* Ferroptosis  
Chong Wang, Mengmeng Wang, Yuanyuan Chen, Wen Gu, Ying Shi, Chao Wang, Wei Huang, Yuehan Long, Yingyang He, and Lian Duan
- 609 A Nationwide Analysis of Key Environmental Determinants Shaping the Spatial Distribution of Kashin-Beck Disease in China  
Fang Qi, Ying Liu, Bing Zhang, Qian Yu, Songyao Zhang, Haoyu Du, Jiaxin Li, Yue Zhao, Chenxi Wang, Jiayuan Li, Silu Cui, and Jun Yu

**Managing Editor:** Qun Zhang

**Editor in Charge:** Yuanyuan Xu

**Editors:** Yunshang Cui, Xueying Shen, Ying Zhang, Xiaoning Wang

**Address:** Editorial Office of Biomedical and Environmental Sciences, Chinese Center for Disease Control and Prevention

155 Changbai Road, Changping District, Beijing 102206, China

Tel: 86-10-58900404, 58900455, 58900233

E-mail: besjournal@sina.com      bes@chinacdc.cn

Full Text and Manuscript Submission: www.besjournal.com