

## 个人简介

姓名: 李石柱  
性别: 男  
出生年月: 1976年12月  
学位/学历: 医学博士/博士研究生  
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## 教育经历

1996年9月 - 2000年7月 淮北师范大学生命科学学院, 生命科学专业, 大学本科, 学士学位  
2000年9月 - 2003年7月 陕西师范大学生命科学学院, 动物学专业, 硕士研究生, 硕士学位  
2006年9月 - 2009年7月 中国疾病预防控制中心, 流行病与卫生统计学专业, 博士研究生, 博士学位  
2013年7月 - 2014年3月 英国自然历史博物馆访问学者(伦敦)

## 工作经历

2003年7月至今 中国疾病预防控制中心寄生虫病预防控制所工作, 其中:  
2004年3月 - 10月 卫生部疾病控制司血防处 借调  
2011年7月 - 10月 WHO西太区工作借调(菲律宾)  
2011年至今 所学术委员会委员 原卫生部疾控专家委员会血寄分委会 秘书  
2014年5月 - 2023年10月 中国疾病预防控制中心寄生虫病预防控制所(国家热带病研究中心) 纪委副书记、党委委员、副所长  
2020年10月至今 上海交通大学医学院国家热带病研究中心 全球健康学院 研究生导师  
2023年10月至今 中国疾病预防控制中心寄生虫病预防控制所(国家热带病研究中心) 党委委员、所长

## 社会/学术任职和活动

2020年10月起兼任上海交通大学医学院全球健康学院全健康治理系主任; 中华预防医学会医学寄生虫分会副主任委员、中国地方病协会热带病专委会副主任委员、《中国寄生虫学与寄生虫病杂志》副主编、《寄生虫病与热带病杂志》副主编、《寄生虫病与感染性疾病杂志》副主编、《河南预防医学》副主编、《Tropical Medicine and Infectious Disease》、《中国血吸虫病防治杂志》、《中国病原生物学杂志》等杂志编委。

## 研究方向/主要研究内容

专业及研究方向：寄生虫病流行病学、空间流行病学、分子流行病学、媒介生物学、媒传热带病防治研究等。

主要从事空间流行病与卫生统计学相关的研究，深入开展了血吸虫病及其中间宿主湖北钉螺、黑热病及其媒介白蛉、疟疾及其媒介多斑按蚊复合体的分子系统地理、景观遗传学研究、空间流行病学研究，开展了基于地理信息系统、遥感、空间统计、媒介生物学等技术的空间流行病学应用研究，包括全球气候变暖对我国钉螺分布范围的影响、重要传染病环境相关因素流行病学模型的建立等。

## 主持或参加科研项目（课题）及人才计划项目情况

国家自然科学基金项目（32161143036）埃及新发蚊媒传染病传播风险、杀虫剂抗性水平与相关机制研究，在研，200万元

重点研发专项（2021YFC2300800）重要威胁人类寄生虫感染致病机制和防控干预技术研究子任务，在研，78万元

世界卫生组织课题，白蛉耐药性不同杀虫剂浓度差异性研究（2020/1020294-0），结题，23万元

传染病重大专项，非洲疟疾、血吸虫病等重要寄生虫病流行病学研究（2016ZX10004222-004），结题，173万元

传染病重大专项，我国重要寄生虫病监测与检测研究子课题，结题，100万元

## 主要学术成果

### 论著

- 1.Feng J, Guo Z, Qian P, Wang W, Hu H,Zhang X, et al. (2023) Field validation of different intervention modes for the potential transmission risk of schistosomiasis during post-transmission interruption phase. *PLoS Negl Trop Dis* 17(11):e0011739. <https://doi.org/10.1371/journal.pntd.0011739> (IF3.8/Q1)
2. Jing-Shu Liu, Xin-Chen Li, Qi-Yu Zhang, Le-Fei Han, Shang Xia,Kokouvi Kassegne, Yong-Zhang Zhu, Kun Yin, Qin-Qin Hu, Le-Shan Xiu,Xiang-Cheng Wang, Odel Y. Li, Min Li, Zheng-Bin Zhou, Ke Dong, Lu He,Shu-Xun Wang, Xue-Chen Yang, Yan Zhang, Xiao-Kui Guo, Shi-Zhu Li\*, XiaoNong Zhou\*,Xiao-Xi Zhang \*,China’ s application of the One Health approach in addressing public health threats at the human-animal-environment interface: Advances and challenges, *One Health* 17 (2023) 100607, <https://doi.org/10.1016/j.onehlt.2023.100607> (IF5/Q2)
- 3.Yanfeng Gong, Yixin Tong, Honglin Jiang, Ning Xu, Jiangfan Yin, Jiamin Wang,Junhui Huang, Yue Chen, Qingwu Jiang, Shizhu Li\* and Yibiao Zhou Three Gorges Dam: Potential diferential drivers and trend in the spatio-temporal evolution of the change in snail density based on a Bayesian spatial-temporal model and 5-year longitudinal study, *Parasites & Vectors* (2023) 16:232<https://doi.org/10.1186/s13071-023-05846-6> (3.2/Q1)
- 4.Zhaojun Li,\* , Yusong Wen, Dandan Lin, Fei Hu , Qin Wang , Yinlong Li, Jing Zhang, Kexing Liu and Shizhu Li \* Impact of the National Wetland Park in the Poyang Lake Area on *Oncomelania hupensis*, the Intermediate Host of *Schistoma japonicum*, *Trop. Med. Infect. Dis.* 2023, 8(4), 194; <https://doi.org/10.3390/tropicalmed8040194> (3.71)

5. Qianqian Cui, Zhengli Shi, Duman Yimamaidi, Ben Hu, Zhuo Zhang, Muhammad Saqib, Ali Zohaib, Baikadamova Gulnara, Mukhanbetkaliyev Yersyn, Zengyun Hu\* and Shizhu Li\* Dynamic variations in COVID-19 with the SARS-CoV-2 Omicron variant in Kazakhstan and Pakistan, *Infectious Diseases of Poverty* (2023) 12:18 <https://doi.org/10.1186/s40249-023-01072-5> (IF10.81)
6. Zhao- Yu Guo†, Jia- Xin Feng†, Lin Ai, Jing- Bo Xue, Jing- Shu Liu, Xiao- Xi Zhang, Chun- Li Cao, Jing Xu, Shang Xia, Xiao- Nong Zhou, Jin Chen\* and Shi- Zhu Li\* Assessment of integrated patterns of human-animal-environment health: a holistic and stratified analysis, *Infectious Diseases of Poverty* (2023) 12:17, <https://doi.org/10.1186/s40249-023-01069-0> (IF10.81)
7. Yao, X. - Y.; Yu, S. - Q.; Tian, N.; Wang, F.; Li, S. - Z.; Li, L. - H. Nucleic Acid Prevalence of Zoonotic Babesia in Humans, Animals and Questing Ticks, a Systematic Review and Meta - Analysis. *Trop. Med. Infect. Dis.* 2023, 8, 132. [https://doi.org/10.3390/tropicalmed8030132\(3.711/Q3\)](https://doi.org/10.3390/tropicalmed8030132(3.711/Q3))
8. Hui-Hui Zhu, Ji-Lei Huang, Chang-Hai Zhou, Ting-Jun Zhu, Jin-Xin Zheng, Mi-Zhen Zhang, Men-Bao Qian, Ying-Dan Chen, Shi-Zhu Li\*. Soil-transmitted helminthiasis in mainland China from 2016 to 2020: a population-based study, *The Lancet Regional Health - Western Pacific*, 2023; April 14, DOI: <https://doi.org/10.1016/j.lanwpc.2023.100766>
9. Lv, Chao, Yin-Long Li, Wang-Ping Deng, Zi-Ping Bao, Jing Xu, Shan Lv, Shi-Zhu Li, and Xiao-Nong Zhou. 2023. "The Current Distribution of *Oncomelania hupensis* Snails in the People's Republic of China Based on a Nationwide Survey" *Tropical Medicine and Infectious Disease* 8, no. 2: 120. [https://doi.org/10.3390/tropicalmed8020120\(3.711/Q3\)](https://doi.org/10.3390/tropicalmed8020120(3.711/Q3))
10. Xue, JB., Xia, S., Wang, X. et al. Recognizing and monitoring infectious sources of schistosomiasis by developing deep learning models with high-resolution remote sensing images. *Infect Dis Poverty* 12, 6 (2023). [https://doi.org/10.1186/s40249-023-01060-9\(10.485/Q1\)](https://doi.org/10.1186/s40249-023-01060-9(10.485/Q1))
11. Tao Zhang, Duoquan Wang, Yingjun Qian, Wei Ruan, Ying Liu, Jing Xia, Hui Yan, Yuan Sui, Shenning Lu, Xian Xu, Jingjing Jiang, Xiaofeng Lyu, Shuqi Wang, Shizhu Li\* & Weidong Li\*. Profile and determinants of delayed care-seeking and diagnosis among patients with imported malaria: a retrospective study in China, 2014 - 2021. *Infect Dis Poverty* 11, 125 (2022). [https://doi.org/10.1186/s40249-022-01050-3\(10.485/Q1\)](https://doi.org/10.1186/s40249-022-01050-3(10.485/Q1))
12. Fengyang Min, Jiasheng Wang, Xiaoguang Liu, Yi Yuan, Yunhai Guo, Kongxian Zhu, Zhaohui Chai, Yunchao Zhang and Shizhu Li\*, Environmental Factors Affecting Freshwater Snail Intermediate Hosts in Shenzhen and Adjacent Region, South China; *Trop. Med. Infect. Dis.* 2022, 7, 426. [https://doi.org/10.3390/tropicalmed7120426\(3.711/Q3\)](https://doi.org/10.3390/tropicalmed7120426(3.711/Q3))
13. Luo Z, Zhou Z, Hao Y, Feng J, Gong Y, Li Y, Huang Y, Zhang Y, Li S. Establishment of an indicator framework for the transmission risk of the mountain-type zoonotic visceral leishmaniasis based on the Delphi-entropy weight method. *Infect Dis Poverty*. 2022 Dec 8;11(1):122. doi: 10.1186/s40249-022-01045-0. PMID: 36482475. (10.485/Q1)

14. Feng J, Guo Z, Ai L, Liu J, Zhang X, Cao C, Xu J, Xia S, Zhou XN, Chen J, Li S. Establishment of an indicator framework for global One Health Intrinsic Drivers index based on the grounded theory and fuzzy analytical hierarchy-entropy weight method. *Infect Dis Poverty*. 2022 Dec 8;11(1):121. doi: 10.1186/s40249-022-01042-3. PMID: 36482389. (10.485/Q1)
15. Shi, Q.; Duan, L.; Qin, Z.; Wang, W.; Shen, L.; Hua, X.; Shen, L.; Cao, J.; Zhu, F.; Wu, J.; et al. The Biosafety Evaluation for Crustaceans: A Novel Molluscicide PBQ Using against *Oncomelania hupensis*, the Intermediate Host of *Schistosoma japonica*. *Trop. Med. Infect. Dis.* 2022, 7, 294. <https://doi.org/10.3390/tropicalmed7100294> (3.711/Q3)
16. Yingjun Qian; Xinzhong Zang; Huanzhang Li; Zhaoyu Guo; Changhai Zhou; Menbao Qian; Yingdan Chen; Hongkun Liu; Yuhua Liu; Shizhu Li#. Assessment of the Health-Related Quality of Life in Neurocysticercosis Patients in Hot Spot Areas - China, 2017-2018. *China CDC Weekly*. 2022 Jul 15;4(28):618-621. doi: 10.46234/ccdcw2022.134. PMID: 35919479; PMCID: PMC9339364.
17. LI Yuan-yuan, LUO Zhuo-wei, HAO Yu-wan, ZHANG Yi, YANG Li-min, LI Zhong-qiu, ZHOU Zheng-bin\*, LI Shi-zhu\*. Epidemiological features and spatial-temporal clustering of visceral leishmaniasis in mainland China from 2019 to 2021. *Front. Microbiol.* 2022, 13:959901. doi: 10.3389/fmicb.2022.959901(6.064/Q1)
18. FANG Yuan, KHATER, E.I.M, XUE Jing-bo, GHALLAB, E.H.S, LI Yuan-yuan, JIANG Tian-ge, LI Shi-zhu\*. Epidemiology of Mosquito-Borne Viruses in Egypt: A Systematic Review. *Viruses* 2022, 14,1577. <https://doi.org/10.3390/v14071577> (5.818/Q2)
19. SHI Qian-wen, GONG Yan-feng, ZHAO Jian, QIN Zhi-qiang, ZHANG Jun, WU Jing, HU Zeng-yun and LI Shi-zhu\*. Spatial and Temporal Distribution Pattern of *Oncomelania hupensis* Caused by Multiple Environmental Factors Using Ecological Niche Models. *Front. Environ. Sci.* 2022,10:942183. doi: 10.3389/fenvs.2022.942183(5.411/Q1)
20. Hao, Yuwan, Zhuo-wei Luo, Jian Zhao, Yanfeng Gong, Yuanyuan Li, Zelin Zhu, Tian Tian, Qiang Wang, Yi Zhang, Zhengbin Zhou, Zengyun Hu, and Shizhu Li. "Transmission Risk Prediction and Evaluation of Mountain-Type Zoonotic Visceral Leishmaniasis in China Based on Climatic and Environmental Variables" *Atmosphere* 2022.13,(6): 964. <https://doi.org/10.3390/atmos13060964>(3.110/Q3)
21. Junyi He, Zhaoyu Guo, Pin Yang, Chunli Cao, Jing Xu, Xiaonong Zhou and Shizhu Li; Social insights on the implementation of One Health in zoonosis prevention and control: a scoping review; *Infectious Diseases of Poverty* (2022) 11:48; <https://doi.org/10.1186/s40249-022-00976-y>; (10.485/Q1)
22. Weisi Wang, Shuijin Huang, Fengquan Liu, Yang Sun, Xiangyun Wang, Junmin Yao, Shizhu Li\*, Yuhua Liu, Bingrong Luo, Xia Zhang, Hehua Hu, Zhuohui Deng, and Liping Duan\*; Control of the Invasive Agricultural Pest *Pomacea canaliculata* with a Novel Molluscicide: Efficacy and Safety to Nontarget Species; *Journal of Agricultural and Food Chemistry* 2022 70 (4), 1079-1089; DOI: 10.1021/acs.jafc.1c07847 (5.895/Q1)
23. Gong YF, Hu XK, Hao YW, et al. Projecting the proliferation risk of *Oncomelania hupensis* in China driven by SSPs: A multi-scenario comparison and integrated modeling study. *Advances in Climate Change Research*. 2022, 13(2): 258-265. (4.746/Q1)

24. Jiang N, Li SZ\*, Zhang YWQ, Mohamed R. Habib, Xiong T, Xu S, Dong HF, Zhao QP\*. The identification of alternative oxidase in intermediate host snails of *Schistosoma* and its potential role in protecting *Oncomelania hupensis* against niclosamide- induced stress. *Parasites & Vectors*, 2022, 15:97 (4.047/Q1) (<https://doi.org/10.1186/s13071-022-05227-5>)
25. Gong YF, Feng JX, Luo ZW, et al. The spatiotemporal heterogeneity of schistosomiasis in mainland China: Evidence from a multi-stage continuous downscaling sentinel monitoring. *Asian Pac J Trop Med*. 2022, 15: 26-34 (3.041/Q3)
26. Gong YF, Zhu LQ, Li YL, et al. Identification of the high-risk area for schistosomiasis transmission in China based on information value and machine learning: a newly data-driven modeling attempt. *Infectious Diseases of Poverty*. 2021;10(1):88. (4.520/Q1)
27. Gong Yanfeng, Li Yinlong, Zhang Lijuan, Lv Shan, Xu Jing, Li Shizhu\*. The Potential Distribution Prediction of *Oncomelania hupensis* Based on Newly Emerging and Reemergent Habitats — China, 2015–2019[J]. *China CDC Weekly*, 2021, 3(5): 90-93. doi: 10.46234/ccdcw2021.023
28. Yuwan Hao, Xiaokang Hu, Yanfeng Gong, Jingbo Xue, Zhengbin Zhou, Yuanyuan Li, Qiang Wang, Yi Zhang, Shizhu Li\*, Spatio-temporal clustering of Mountain-type Zoonotic Visceral Leishmaniasis in China between 2015 and 2019. *PLOS Neglected Tropical Diseases* 2021,15(3): e0009152. <https://doi.org/10.1371/journal.pntd.0009152>
29. Jing-Bo Xue, Xin-Yi Wang, Li-Juan Zhang, Yu-Wan Hao, Zhe Chen, Dan-Dan Lin, Jing Xu, Shang Xia , Shi-Zhu Li, Potential impact of flooding on schistosomiasis in Poyang Lake regions based on multi-source remote sensing images. *Parasites & Vectors*, 2021.14(1): p. 116.
30. Qiang Wang, Jing Xu, Yuwan Hao, Tian Tian, Zelin Zhu, Xueqiang Zhang, Liying Wang, Shaohong Chen, Jiaxu Chen, Ning Xiao, Shizhu Li. Assessment on the Diagnostic Capacity for Parasitic Diseases of Health Facilities — China, 2019[J]. *China CDC Weekly*, 2021, 3(35): 731-735. doi: 10.46234/ccdcw2021.181
31. Huanzhang Li, Xinzhong Zang, Xiaokang Hu, Eniola Michael Abe, Menbao Qian, Jingbo Xue, Yingdan Chen, Changhai Zhou, Yuhua Liu, Shizhu Li\*, Spatio-temporal distribution characteristics of cysticercosis from 2000 to 2014 in Dali, Yunnan Province, China. *Geospatial Health* 2020; 15:312-319. doi:10.4081/gh.2020.815
32. Shang Xia, Jin-Xin Zheng, Xin-Yi Wang, Jing-Bo Xue, Jian-Hong Hu, Xue-Qiang Zhang, Xiao-Nong Zhou, Shi-Zhu Li\*, Epidemiological big data and analytical tools applied in the control programmes on parasitic diseases in China: NIPD's sustained contributions in 70 years. *Advances in Parasitology*, 2020, 110: 319-347. <https://doi.org/10.1016/bs.apar.2020.04.009>
33. Yu-Wan Hao, Qiang Wang, Chun-Li Cao, Tian Tian, Ze-Lin Zhu, Jing Xu, Shuisen Zhou, Weiping Wu, Yingdan Chen, Yi Zhang, Jia-Xu Chen, Shi-Zhu Li\*, Ning Xiao, Xiao-Nong Zhou, Chapter Eleven-Construction and application of surveillance and response systems for parasitic diseases in China, led by NIPD-CTDR, *Advances in Parasitology*(6.8), 2020, 110: 349-371. <https://doi.org/10.1016/bs.apar.2020.04.001>

34. Hao Yu-wan, Guan Wei, Wu Hao-nan, Li Lan-hua<sup>2</sup>, Abe EM, Xue Jing-bo, Qin Zhi-qiang, Wang Qiang, Lv Shan, Xu Jing, Wang Wei<sup>3</sup>, Li Shi-zhu\*. Intestinal microbiome profiles in *Oncomelania hupensis* in mainland China. *Acta tropica*. 2020;201:105202.
35. Xinyu Feng, Lingqian Zhu, Zhiqiang Qin, Xiaojin Mo, Yuwan Hao, Ying Jiang, Wei Hu, Shizhu Li\*. Temporal transcriptome change of *Oncomelania hupensis* revealed by *Schistosoma japonicum* invasion. *Cell Biosci* 10, 58 (2020).  
<https://doi.org/10.1186/s13578-020-00420-4> (9.584/Q1)
36. Xinyi Wang; Jingbo Xue; Shang Xia; Shuai Han; Xiaokang Hu; Zhengbin Zhou; Yi Zhang; Shizhu Li\*, Distribution of Suitable Environments for *Phlebotomus chinensis* as the Vector for Mountain-Type Zoonotic Visceral Leishmaniasis — Six Provinces, China. *CCDC Weekly*, 2020, 2(42):815-819
37. Huihui Zhu; Jilei Huang; Changhai Zhou; Tingjun Zhu; Menbao Qian; Mizhen Zhang; Yingdan Chen; Shizhu Li\*, Soil-Transmitted Helminthiasis — China, 2018; *CCDC Weekly*, 2020, 2(3):34-38
38. Xue JB, Xia S, Zhang LJ, Abe EM, Zhou J, Li YY, Hao YW, Wang Q, Xu J, Li SZ\*, Zhou XN. High-resolution remote sensing-based spatial modeling for the prediction of potential risk areas of schistosomiasis in the Dongting Lake area, China. *Acta Trop*. 2019 Oct;198:105077. doi: 10.1016/j.actatropica.2019.105077. Epub 2019 Jul 13. PMID: 31310730.
39. Xin-Zhong Zang, Huan-Zhang Li, Men-Bao Qian, Ying-Dan Chen, Chang-Hai Zhou, Hong-Kun Liu, Yu-Hua Liu and Shi-Zhu Li\*, Extensive disseminated cysticercosis: a case report in Yunnan province, China. *BMC Infectious Diseases* (2019) 19:535.
40. Zhuo Chen, Weisi Wang, Junmin Yao, Shizhu Li\*, Xia Zhang, Hehua Hu, Xiong Liu, Binrong Luo, Yuhua Liu, Huiyong Xu, Liping Duan\*, Toxicity of a molluscicide candidate PPU07 against *Oncomelania hupensis* (Gredler, 1881) and local fish in field evaluation, *Chemosphere*, (2019),222:56-61
41. Fan Yang; Zhengbin Zhou; Yuan Fang; Xinyu Feng; Qin Chen; Pin Yang; Jing Xu; Shizhu Li\*, Surveillance Progress for Crucial Vector-Borne Parasitic Diseases in China. *CCDC Weekly*, 2020, 2(33):638-642
42. Li Huang, Eniola Michael Abe Xin-Xu Li, Robert Bergquist, Lin Xu, Jing-Bo Xue, Yao Ruan, Chun-Li Cao and Shi-Zhu Li\*, Space-time clustering and associated risk factors of pulmonary tuberculosis in southwest China, *Infectious Diseases of Poverty* (2018) 7:91.
43. Shi-Zhu Li, Men-Bao Qian, Li-Juan Zhang, \*Xiao-Nong Zhou. Changing trends of neglected tropical diseases in China. *The Lancet Infectious Diseases*(24.55), 2017,17(9), p901
44. Shang Xia, Jing-Bo Xue, Xia Zhang, He-Hua Hu, Eniola Michael Abe, David Rollinson, Robert Bergquist, Yibiao Zhou, Shi-Zhu Li\* and Xiao-Nong Zhou, Pattern analysis of schistosomiasis prevalence by exploring predictive modeling in Jiangling County, Hubei Province, P.R. China. *Infectious Diseases of Poverty* (2017) 6:91

45. Congcong Xia, Robert Bergquist, Henry Lynn, Fei Hu, Dandan Lin, Yuwan Hao, Shizhu Li\*, et.al., Village-based spatio-temporal cluster analysis of the schistosomiasis risk in the Poyang Lake Region, China. *Parasites & Vectors* (2017) 10:136 (\*Corresponding author)

46. Li Huang, Xin-Xu Li, Eniola Michael Abe, Lin Xu, Yao Ruan, Chun-Li Cao, Shi-Zhu Li\*, Spatial-temporal analysis of pulmonary tuberculosis in the northeast of the Yunnan province, People's Republic of China. *Infectious Diseases of Poverty* (2017) 6:53 (\*Corresponding author)

47. Yi Hu, Congcong Xia, Shizhu Li\*, Michael P. Ward, Can Luo, Fenghua Gao, Qizhi Wang, Shiqing Zhang and Zhijie Zhang,. Assessing environmental factors associated with regional schistosomiasis prevalence in Anhui Province, Peoples' Republic of China using a geographical detector method. *Infectious Diseases of Poverty* (2017) 6:87 (\*Corresponding author)

48. Shang Xia, Jin-Xiang Ma, Duo-Quan Wang, Shi-Zhu Li\*, et al., Economic cost analysis of malaria case management at the household level during the malaria elimination phase in The People's Republic of China. *Infectious Diseases of Poverty*, 2016, 5:50, DOI 10.1186/s40249-016-0141-x (\*Corresponding author)

#### 近五年出版专著

- 1.非洲寄生虫病防治手册，主编，北京，人民卫生出版社，2018年
- 2.热带病诊疗及防护手册，主编，北京，人民卫生出版社，2018年
- 3.血吸虫病控制和消除适宜技术，主编，北京，人民卫生出版社，2020年
- 4.非洲寄生虫图病谱，主编，人民卫生出版社，北京，2023年
- 5.非洲寄生虫学，副主编，北京，人民卫生出版社，2020年
- 6.血吸虫病消除手册，副主编，上海，上海科学技术出版社，2021年
- 7.全健康科技进展，副主编，北京，科学出版社，2021年

#### 授权发明专利

实用新型专利——人粪便寄生虫卵检测试剂盒，授权号ZL2015 2108676 0.5，李石柱，秦志强等

#### 荣誉及奖项

2014年获优秀地图作品裴秀奖银奖《中国血吸虫病地图集》（排名第四编号：2014-02-02-06）

2015年获华夏医学科技奖二等奖《我国血吸虫病监测预警体系的建立与应用》（排名第三编号：201502021P1003）

2015年获中华医学会科技奖二等奖《我国血吸虫病监测预警体系的建立与应用》（排名第三编号：201502046P1003）

2016年获上海市医学科技奖二等奖《虫媒传染病传播媒介按蚊的分子鉴别和系统发育关系研究》（排名第三编号：2016020103）

## Profile

**Name:** LI, Shi-Zhu  
**Gender:** Male  
**Place and data of birth:** Heilongjiang Province (China);  
**Date of birth:** Dec 30,1976  
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## Education

1996.09 - 2000.07, Huaibei Normal University, Bachelor's Degree. Study the biology and education techniques

2000.09 - 2003.07, Shaanxi Normal University, M.D. engaged in a study of population genetics of *Anopheles maculatus*, a vector of malaria from China

2006.09 - 2009.07, National Institute of Parasitic Diseases, Chinese Center for Disease Prevention and Control, PhD. engaged in a series of study of population genetics and diffusion of *Oncomelania hupensis* with microsatellite marker and mitochondria DNA sequences, as well as spatial analysis tools (e.g. GIS)

2013.07 - 2014.04, Academic Visitor, Wolfson Wellcome Biomedical Laboratories, The Natural History Museum, WHO Collaborating Centre Schistosomiasis, London, UK

## Appointments

2003.07 - now, National Institute of Parasitic Diseases, Chinese Center for Disease Prevention and Control [former name: Institute of Parasitic Diseases, Chinese Academy of Preventive Medicine]

2011.07 - 2011.10, volunteer for NTDs in MVP, WPRO-WHO

2012.11 - 2014.05, Chief of Department of Schistosomiasis Control, National Institute of Parasitic Diseases, Chinese Center for Disease Prevention and Control. Shanghai

2014.05 - 2023.11, Deputy Director, Professor (since 2016.07), National Institute of Parasitic Diseases, Chinese Center for Disease Prevention and Control (Chinese Centre for Tropical Diseases Research), Shanghai

2020.10 - now, professor and Head of Department of One health Governance, the School of Global Health, Chinese Centre for Tropical Diseases Research, Shanghai Jiao Tong University School of Medicine

2023.10 - now, Director, Professor (since 2016.07), National Institute of Parasitic Diseases, Chinese Center for Disease Prevention and Control (Chinese Centre for Tropical Diseases Research), Shanghai,



## Academic Participation and Activities

Director, Department of Global Health Governance at the School of Medicine, Shanghai Jiao Tong University.

Chair, the Medical Parasitology Branch of the Chinese Preventive Medicine Association.

Chair, Tropical Disease Special Committee of China Endemic Disease Association, Associate editor for several journals including "Chinese Journal of Parasitology and Parasitic Diseases," "Journal of Parasitic Diseases and Tropical Medicine," "Journal of Parasitic Diseases and Infectious Diseases," "Henan Journal of Preventive Medicine," "Tropical Medicine and Infectious Disease," "Chinese Journal on Schistosomiasis Control" and "Chinese Journal Of Pathogen Biology."

## Research Interest

Epidemiology of Parasitic Diseases, Spatial Epidemiology, Molecular Epidemiology, Vector biology, and Research on the Prevention and Control of Vector-borne Tropical Diseases.

Mainly work on spatial epidemiological and health statistical research. Conducted in-depth molecular phylogeographical, landscape genetic and spatial epidemiological research on Schistosomiasis and its intermediate host *Oncomelania hupensis*, Leishmaniasis and its vector Phlebotomine sandflies, and Malaria and its vector *Anopheles maculatus* complex. Carried out applied spatical epidemiological research based on GIS, remote sensing, spatial statistical and vector biological skills, including 'The influence of global warming on the distribution of *Oncomelania hupensis* in China', 'Epidemiological modelling of environmental determinants of major infectious diseases', and etc.

## Projects

- 1.National Natural Science Foundation of China (No.32161143036), 2022.1-2024.12, 2 million RMB, PI;
- 2.The National Key Research and Development Program of China (No. 2021YFC2300800, 2021YFC2300803). 2021.12-2024.12, 0.8 million RMB, PI;
- 3.The Science & Technology Fundamental Resources Investigation Program (Grant No. 2022FY100900, 2022FY100904), 2022.12-2025.12, 1.2 million RMB, PI.

## Publications

1. Feng J, Guo Z, Qian P, Wang W, Hu H, Zhang X, et al. (2023) Field validation of different intervention modes for the potential transmission risk of schistosomiasis during post-transmission interruption phase. *PLoS Negl Trop Dis* 17(11):e0011739. <https://doi.org/10.1371/journal.pntd.0011739> (IF3.8/Q1)
2. Jing-Shu Liu, Xin-Chen Li, Qi-Yu Zhang, Le-Fei Han, Shang Xia, Kokouvi Kassegne, Yong-Zhang Zhu, Kun Yin, Qin-Qin Hu, Le-Shan Xiu, Xiang-Cheng Wang, Odel Y. Li, Min Li, Zheng-Bin Zhou, Ke Dong, Lu He, Shu-Xun Wang, Xue-Chen Yang, Yan Zhang, Xiao-Kui Guo, Shi-Zhu Li\*, Xiao-Nong Zhou\*, Xiao-Xi Zhang\*, China's application of the One Health approach in addressing public health threats at the human-animal-environment interface: Advance and challenges, *One Health* 17 (2023) 100607, <https://doi.org/10.1016/j.onehlt.2023.100607> (IF5/Q2)
3. Yanfeng Gong, Yixin Tong, Honglin Jiang, Ning Xu, Jiangfan Yin, Jiamin Wang, Junhui Huang, Yue Chen, Qingwu Jiang, Shizhu Li\* and Yibiao Zhou Three Gorges Dam: Potential differential drivers and trend in the spatio-temporal evolution of the change in snail density based on a Bayesian spatial-temporal model and 5-year longitudinal study, *Parasites & Vectors* (2023) 16:232 <https://doi.org/10.1186/s13071-023-05846-6> (3.2/Q1)
4. Zhaojun Li,\*, Yusong Wen, Dandan Lin, Fei Hu, Qin Wang, Yinlong Li, Jing Zhang, Kexing Liu and Shizhu Li\* Impact of the National Wetland Park in the Poyang Lake Area on *Oncomelania hupensis*, the Intermediate Host of *Schistoma japonicum*, *Trop. Med. Infect. Dis.* 2023, 8(4), 194; <https://doi.org/10.3390/tropicalmed8040194> (3.71)
5. Qianqian Cui, Zhengli Shi, Duman Yimamaidi, Ben Hu, Zhuo Zhang, Muhammad Saqib, Ali Zohaib, Baikadamova Gulnara, Mukhanbetkaliyev Yersyn, Zengyun Hu\* and Shizhu Li\* Dynamic variations in COVID-19 with the SARS-CoV-2 Omicron variant in Kazakhstan and Pakistan, *Infectious Diseases of Poverty* (2023) 12:18 <https://doi.org/10.1186/s40249-023-01072-5> (IF10.81)
6. Zhao-Yu Guo†, Jia-Xin Feng†, Lin Ai, Jing-Bo Xue, Jing-Shu Liu, Xiao-Xi Zhang, Chun-Li Cao, Jing Xu, Shang Xia, Xiao-Nong Zhou, Jin Chen\* and Shi-Zhu Li\* Assessment of integrated patterns of human-animal-environment health: a holistic and stratified analysis, *Infectious Diseases of Poverty* (2023) 12:17, <https://doi.org/10.1186/s40249-023-01069-0> (IF10.81)
7. Yao, X.-Y.; Yu, S.-Q.; Tian, N.; Wang, F.; Li, S.-Z.; Li, L.-H. Nucleic Acid Prevalence of Zoonotic Babesia in Humans, Animals and Questing Ticks, a Systematic Review and Meta-Analysis. *Trop. Med. Infect. Dis.* 2023, 8, 132. <https://doi.org/10.3390/tropicalmed8030132>(3.711/Q3)
8. Hui-Hui Zhu, Ji-Lei Huang, Chang-Hai Zhou, Ting-Jun Zhu, Jin-Xin Zheng, Mi-Zhen Zhang, Men-Bao Qian, Ying-Dan Chen, Shi-Zhu Li\*. Soil-transmitted helminthiasis in mainland China from 2016 to 2020: a population-based study, *The Lancet Regional Health -Western Pacific*, 2023; April 14, DOI:<https://doi.org/10.1016/j.lanwpc.2023.100766>
9. Lv, Chao, Yin-Long Li, Wang-Ping Deng, Zi-Ping Bao, Jing Xu, Shan Lv, Shi-Zhu Li, and Xiao-Nong Zhou. 2023. "The Current Distribution of *Oncomelania hupensis* Snails in the People's Republic of China Based on a Nationwide Survey" *Tropical Medicine and Infectious Disease* 8, no. 2: 120. <https://doi.org/10.3390/tropicalmed8020120>(3.711/Q3)

10. Xue, JB., Xia, S., Wang, X. et al. Recognizing and monitoring infectious sources of schistosomiasis by developing deep learning models with high-resolution remote sensing images. *Infect Dis Poverty* 12, 6 (2023).

[https://doi.org/10.1186/s40249-023-01060-9\(10.485/Q1\)](https://doi.org/10.1186/s40249-023-01060-9(10.485/Q1))

11. Tao Zhang, Duoquan Wang, Yingjun Qian, Wei Ruan, Ying Liu, Jing Xia, Hui Yan, Yuan Sui, Shenning Lu, Xian Xu, Jingjing Jiang, Xiaofeng Lyu, Shuqi Wang, Shizhu Li\* & Weidong Li\*. Profile and determinants of delayed care-seeking and diagnosis among patients with imported malaria: a retrospective study in China, 2014–2021. *Infect Dis Poverty* 11, 125 (2022).

[https://doi.org/10.1186/s40249-022-01050-3\(10.485/Q1\)](https://doi.org/10.1186/s40249-022-01050-3(10.485/Q1))

12. Fengyang Min, Jiasheng Wang, Xiaoguang Liu, Yi Yuan, Yunhai Guo, Kongxian Zhu, Zhaohui Chai, Yunchao Zhang and Shizhu Li\*, Environmental Factors Affecting Freshwater Snail Intermediate Hosts in Shenzhen and Adjacent Region, South China; *Trop. Med. Infect. Dis.* 2022, 7, 426.

[https://doi.org/10.3390/tropicalmed7120426\(3.711/Q3\)](https://doi.org/10.3390/tropicalmed7120426(3.711/Q3))

13. Luo Z, Zhou Z, Hao Y, Feng J, Gong Y, Li Y, Huang Y, Zhang Y, Li S. Establishment of an indicator framework for the transmission risk of the mountain-type zoonotic visceral leishmaniasis based on the Delphi-entropy weight method. *Infect Dis Poverty*. 2022 Dec 8;11(1):122.

doi: 10.1186/s40249-022-01045-0. PMID: 36482475. (10.485/Q1)

14. Feng J, Guo Z, Ai L, Liu J, Zhang X, Cao C, Xu J, Xia S, Zhou XN, Chen J, Li S. Establishment of an indicator framework for global One Health Intrinsic Drivers index based on the grounded theory and fuzzy analytical hierarchy-entropy weight method. *Infect Dis Poverty*. 2022 Dec 8;11(1):121.

doi: 10.1186/s40249-022-01042-3. PMID: 36482389. (10.485/Q1)

15. Shi, Q.; Duan, L.; Qin, Z.; Wang, W.; Shen, L.; Hua, X.; Shen, L.; Cao, J.; Zhu, F.; Wu, J.; et al. The Biosafety Evaluation for Crustaceans: A Novel Molluscicide PBQ Using against *Oncomelania hupensis*, the Intermediate Host of *Schistosoma japonica*. *Trop. Med. Infect. Dis.* 2022, 7, 294.

[https://doi.org/10.3390/tropicalmed7100294\(3.711/Q3\)](https://doi.org/10.3390/tropicalmed7100294(3.711/Q3))

16. Yingjun Qian; Xinzhong Zang; Huanzhang Li; Zhaoyu Guo; Changhai Zhou; Menbao Qian; Yingdan Chen; Hongkun Liu; Yuhua Liu; Shizhu Li#. Assessment of the Health-Related Quality of Life in Neurocysticercosis Patients in Hot Spot Areas - China, 2017-2018. *China CDC Weekly*. 2022 Jul 15;4(28):618-621.

doi: 10.46234/ccdcw2022.134. PMID: 35919479; PMCID: PMC9339364.

17. LI Yuan-yuan, LUO Zhuo-wei, HAO Yu-wan, ZHANG Yi, YANG Li-min, LI Zhong-qiu, ZHOU Zheng-bin\*, LI Shi-zhu\*. Epidemiological features and spatial-temporal clustering of visceral leishmaniasis in mainland China from 2019 to 2021. *Front. Microbiol.* 2022, 13:959901. doi: 10.3389/fmicb.2022.959901(6.064/Q1)

18. FANG Yuan, KHATER, E.I.M, XUE Jing-bo, GHALLAB, E.H.S, LI Yuan-yuan, JIANG Tian-ge, LI Shi-zhu\*. Epidemiology of Mosquito-Borne Viruses in Egypt: A Systematic Review. *Viruses* 2022, 14,1577.

[https://doi.org/10.3390/v14071577\(5.818/Q2\)](https://doi.org/10.3390/v14071577(5.818/Q2))

19. SHI Qian-wen, GONG Yan-feng, ZHAO Jian, QIN Zhi-qiang, ZHANG Jun, WU Jing, HU Zeng-yun and LI Shi-zhu\*. Spatial and Temporal Distribution Pattern of *Oncomelania hupensis* Caused by Multiple Environmental Factors Using Ecological Niche Models. *Front. Environ. Sci.* 2022,10:942183.

doi: 10.3389/fenvs.2022.942183(5.411/Q1)

20. Hao, Yuwan, Zhuowei Luo, Jian Zhao, Yanfeng Gong, Yuanyuan Li, Zelin Zhu, Tian Tian, Qiang Wang, Yi Zhang, Zhengbin Zhou, Zengyun Hu, and Shizhu Li. "Transmission Risk Prediction and Evaluation of Mountain-Type Zoonotic Visceral Leishmaniasis in China Based on Climatic and Environmental Variables" *Atmosphere* 2022.13,(6): 964.  
[https://doi.org/10.3390/atmos13060964\(3.110/Q3\)](https://doi.org/10.3390/atmos13060964(3.110/Q3))
21. Junyi He, Zhaoyu Guo, Pin Yang, Chunli Cao, Jing Xu, Xiaonong Zhou and Shizhu Li; Social insights on the implementation of One Health in zoonosis prevention and control: a scoping review; *Infectious Diseases of Poverty* (2022) 11:48; <https://doi.org/10.1186/s40249-022-00976-y>; (10.485/Q1)
22. Weisi Wang, Shuijin Huang, Fengquan Liu, Yang Sun, Xiangyun Wang, Junmin Yao, Shizhu Li\*, Yuhua Liu, Bingrong Luo, Xia Zhang, Hehua Hu, Zhuohui Deng, and Liping Duan\*; Control of the Invasive Agricultural Pest *Pomacea canaliculata* with a Novel Molluscicide: Efficacy and Safety to Nontarget Species; *Journal of Agricultural and Food Chemistry* 2022 70 (4), 1079-1089;  
DOI: 10.1021/acs.jafc.1c07847 (5.895/Q1)
23. Gong YF, Hu XK, Hao YW, et al. Projecting the proliferation risk of *Oncomelania hupensis* in China driven by SSPs: A multi-scenario comparison and integrated modeling study. *Advances in Climate Change Research*. 2022, 13(2): 258-265. (4.746/Q1)
24. Jiang N, Li SZ\*, Zhang YWQ, Mohamed R. Habib, Xiong T, Xu S, Dong HF, Zhao QP\*. The identification of alternative oxidase in intermediate host snails of *Schistosoma* and its potential role in protecting *Oncomelania hupensis* against niclosamide-induced stress. *Parasites & Vectors*, 2022, 15:97 (4.047/Q1) (<https://doi.org/10.1186/s13071-022-05227-5>)
25. Gong YF, Feng JX, Luo ZW, et al. The spatiotemporal heterogeneity of schistosomiasis in mainland China: Evidence from a multi-stage continuous downscaling sentinel monitoring. *Asian Pac J Trop Med*. 2022, 15: 26-34 (3.041/Q3)
26. Gong YF, Zhu LQ, Li YL, et al. Identification of the high-risk area for schistosomiasis transmission in China based on information value and machine learning: a newly data-driven modeling attempt. *Infectious Diseases of Poverty*. 2021;10(1):88. (4.520/Q1)
27. Gong Yanfeng, Li Yinlong, Zhang Lijuan, Lv Shan, Xu Jing, Li Shizhu\*. The Potential Distribution Prediction of *Oncomelania hupensis* Based on Newly Emerging and Reemergent Habitats — China, 2015–2019[J]. *China CDC Weekly*, 2021, 3(5): 90-93. doi: 10.46234/ccdcw2021.023
28. Yuwan Hao, Xiaokang Hu, Yanfeng Gong, Jingbo Xue, Zhengbin Zhou, Yuanyuan Li, Qiang Wang, Yi Zhang, Shizhu Li\*, Spatio-temporal clustering of Mountain-type Zoonotic Visceral Leishmaniasis in China between 2015 and 2019. *PLOS Neglected Tropical Diseases* 2021,15(3): e0009152.  
<https://doi.org/10.1371/journal.pntd.0009152>
29. Jing-Bo Xue, Xin-Yi Wang, Li-Juan Zhang, Yu-Wan Hao, Zhe Chen, Dan-Dan Lin, Jing Xu, Shang Xia , Shi-Zhu Li, Potential impact of flooding on schistosomiasis in Poyang Lake regions based on multi-source remote sensing images. *Parasites & Vectors*, 2021.14(1): p. 116.
30. Qiang Wang, Jing Xu, Yuwan Hao, Tian Tian, Zelin Zhu, Xueqiang Zhang, Liying Wang, Shaohong Chen, Jiayu Chen, Ning Xiao, Shizhu Li. Assessment on the Diagnostic Capacity for Parasitic Diseases of Health Facilities — China, 2019[J]. *China CDC Weekly*, 2021, 3(35): 731-735. doi: 10.46234/ccdcw2021.181

31. Huanzhang Li, Xinzhong Zang, Xiaokang Hu, Eniola Michael Abe, Menbao Qian, Jingbo Xue, Yingdan Chen, Changhai Zhou, Yuhua Liu, Shizhu Li\*, Spatio-temporal distribution characteristics of cysticercosis from 2000 to 2014 in Dali, Yunnan Province, China. *Geospatial Health* 2020; 15:312-319. doi:10.4081/gh.2020.815
32. Shang Xia, Jin-Xin Zheng, Xin-Yi Wang, Jing-Bo Xue, Jian-Hong Hu, Xue-Qiang Zhang, Xiao-Nong Zhou, Shi-Zhu Li\*, Epidemiological big data and analytical tools applied in the control programmes on parasitic diseases in China: NIPD's sustained contributions in 70 years. *Advances in Parasitology*, 2020, 110: 319-347. <https://doi.org/10.1016/bs.apar.2020.04.009>
33. Yu-Wan Hao, Qiang Wang, Chun-Li Cao, Tian Tian, Ze-Lin Zhu, Jing Xu, Shuisen Zhou, Weiping Wu, Yingdan Chen, Yi Zhang, Jia-Xu Chen, Shi-Zhu Li\*, Ning Xiao, Xiao-Nong Zhou, Chapter Eleven-Construction and application of surveillance and response systems for parasitic diseases in China, led by NIPD-CTDR, *Advances in Parasitology*(6.8), 2020, 110: 349-371. <https://doi.org/10.1016/bs.apar.2020.04.001>
34. Hao Yu-wan, Guan Wei, Wu Hao-nan, Li Lan-hua<sup>2</sup>, Abe EM, Xue Jing-bo, Qin Zhi-qiang, Wang Qiang, Lv Shan, Xu Jing, Wang Wei<sup>3</sup>, Li Shi-zhu\*. Intestinal microbiome profiles in *Oncomelania hupensis* in mainland China. *Acta tropica*. 2020;201:105202.
35. Xinyu Feng, Lingqian Zhu, Zhiqiang Qin, Xiaojin Mo, Yuwan Hao, Ying Jiang, Wei Hu, Shizhu Li\*. Temporal transcriptome change of *Oncomelania hupensis* revealed by *Schistosoma japonicum* invasion. *Cell Biosci* 10, 58 (2020). <https://doi.org/10.1186/s13578-020-00420-4> (9.584/Q1)
36. Xinyi Wang; Jingbo Xue; Shang Xia; Shuai Han; Xiaokang Hu; Zhengbin Zhou; Yi Zhang; Shizhu Li\*, Distribution of Suitable Environments for *Phlebotomus chinensis* as the Vector for Mountain-Type Zoonotic Visceral Leishmaniasis — Six Provinces, China. *CCDC Weekly*, 2020, 2(42):815-819
37. Huihui Zhu; Jilei Huang; Changhai Zhou; Tingjun Zhu; Menbao Qian; Mizhen Zhang; Yingdan Chen; Shizhu Li\*, Soil-Transmitted Helminthiasis — China, 2018; *CCDC Weekly*, 2020, 2(3):34-38
38. Xue JB, Xia S, Zhang LJ, Abe EM, Zhou J, Li YY, Hao YW, Wang Q, Xu J, Li SZ\*, Zhou XN. High-resolution remote sensing-based spatial modeling for the prediction of potential risk areas of schistosomiasis in the Dongting Lake area, China. *Acta Trop*. 2019 Oct;198:105077. doi: 10.1016/j.actatropica.2019.105077. Epub 2019 Jul 13. PMID: 31310730.
39. Xin-Zhong Zang, Huan-Zhang Li, Men-Bao Qian, Ying-Dan Chen, Chang-Hai Zhou, Hong-Kun Liu, Yu-Hua Liu and Shi-Zhu Li\*, Extensive disseminated cysticercosis: a case report in Yunnan province, China. *BMC Infectious Diseases* (2019) 19:535.
40. Zhuo Chen, Weisi Wang, Junmin Yao, Shizhu Li\*, Xia Zhang, Hehua Hu, Xiong Liu, Binrong Luo, Yuhua Liu, Huiyong Xu, Liping Duan\*, Toxicity of a molluscicide candidate PPU07 against *Oncomelania hupensis* (Gredler, 1881) and local fish in field evaluation, *Chemosphere*, (2019),222:56-61
41. Fan Yang; Zhengbin Zhou; Yuan Fang; Xinyu Feng; Qin Chen; Pin Yang; Jing Xu; Shizhu Li\*, Surveillance Progress for Crucial Vector-Borne Parasitic Diseases in China. *CCDC Weekly*, 2020, 2(33):638-642

42. Li Huang, Eniola Michael Abe Xin-Xu Li, Robert Bergquist, Lin Xu, Jing-Bo Xue, Yao Ruan, Chun-Li Cao and Shi-Zhu Li\*, Space-time clustering and associated risk factors of pulmonary tuberculosis in southwest China, *Infectious Diseases of Poverty* (2018) 7:91.
43. Shi-Zhu Li, Men-Bao Qian, Li-Juan Zhang, \*Xiao-Nong Zhou. Changing trends of neglected tropical diseases in China. *The Lancet Infectious Diseases*(24.55), 2017,17(9), p901
44. Shang Xia, Jing-Bo Xue, Xia Zhang, He-Hua Hu, Eniola Michael Abe, David Rollinson, Robert Bergquist, Yibiao Zhou, Shi-Zhu Li\* and Xiao-Nong Zhou, Pattern analysis of schistosomiasis prevalence by exploring predictive modeling in Jiangling County, Hubei Province, P.R. China. *Infectious Diseases of Poverty* (2017) 6:91
45. Congcong Xia, Robert Bergquist, Henry Lynn, Fei Hu, Dandan Lin, Yuwan Hao, Shizhu Li\* ,et.al., Village-based spatio-temporal cluster analysis of the schistosomiasis risk in the Poyang Lake Region, China. *Parasites & Vectors* (2017) 10:136 (\*Corresponding author)
46. Li Huang, Xin-Xu Li, Eniola Michael Abe, Lin Xu, Yao Ruan, Chun-Li Cao, Shi-Zhu Li\*, Spatial-temporal analysis of pulmonary tuberculosis in the northeast of the Yunnan province, People's Republic of China. *Infectious Diseases of Poverty* (2017) 6:53 (\*Corresponding author)
47. Yi Hu, Congcong Xia, Shizhu Li\*, Michael P. Ward, Can Luo, Fenghua Gao, Qizhi Wang, Shiqing Zhang and Zhijie Zhang,. Assessing environmental factors associated with regional schistosomiasis prevalence in Anhui Province, Peoples' Republic of China using a geographical detector method. *Infectious Diseases of Poverty* (2017) 6:87 (\*Corresponding author)
48. Shang Xia, Jin-Xiang Ma, Duo-Quan Wang, Shi-Zhu Li\*, et al., Economic cost analysis of malaria case management at the household level during the malaria elimination phase in The People's Republic of China. *Infectious Diseases of Poverty*, 2016, 5:50, DOI 10.1186/s40249-016-0141-x (\*Corresponding author)

## Books

1. Shizhu Li, Kun Yang, *Techniques for Schistosomiasis Control and Elimination*, the People's Medical Press, 2020.
2. Shizhu Li, Guanghui Ren, *Handbook for Parasitic diseases Control in Africa*, the People's Medical Press, 2018.

## Patents

Utility model patent - Human fecal parasite egg detection kit, authorization  
ZL2015 2108676 0.5

## Honors and Awards

1. the Silver Award of Excellent Map Works Pei Xiu Award (2014-02-02-06) ,2014.
- 2 .the second prize of the Huaxia Medical Science and Technology Award (201502021P1003) ,2015.
3. the second prize of the Science and Technology Award of the Chinese Medical Association (201502046P1003) , 2015.
4. the second prize of the Shanghai Medical Science and Technology Award (2016020103) ,2016.