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| <h2>个人简介</h2>                                                                                                                                                                                                                                                                                               |                                                                                     |
| <p>姓名：薛靖波</p> <p>性别：男</p> <p>出生年月：1987.06</p> <p>学位/学历：博士</p> <p>职称：副研究</p> <p>电子邮件：xuejb@nipd.chinacdc.cn</p> <p>办公地址：上海市黄浦区瑞金二路 207 号 1 号楼 103</p>                                                                                                                                                        |  |
| <h2>教育经历</h2>                                                                                                                                                                                                                                                                                               |                                                                                     |
| <p>2020.09 至 2023.07，中国疾病预防控制中心，流行病与卫生统计学，博士。</p> <p>2011.09 至 2014.07，华东师范大学，地图学与地理信息系统，硕士。</p> <p>2007.09 至 2011.07，山东科技大学，地理信息系统，学士。</p>                                                                                                                                                                 |                                                                                     |
| <h2>工作经历</h2>                                                                                                                                                                                                                                                                                               |                                                                                     |
| <p>2024.01 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），副研究员。</p> <p>2022.07 至 2023.12，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）信息中心，副研究员。</p> <p>2019.08 至 2022.06，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）信息中心，助理研究员。</p> <p>2018.07 至 2019.07，中国疾病预防控制中心寄生虫病预防控制所信息中心，助理研究员。</p> <p>2014.10 至 2018.06，中国疾病预防控制中心寄生虫病预防控制所信息中心，研究实习生。</p> |                                                                                     |
| <h2>社会/学术任职和活动</h2>                                                                                                                                                                                                                                                                                         |                                                                                     |
| <p>《中国热带医学》青年编委。</p> <p>《中国寄生虫学与寄生虫病杂志》编委。</p>                                                                                                                                                                                                                                                              |                                                                                     |
| <h2>研究方向/主要研究内容</h2>                                                                                                                                                                                                                                                                                        |                                                                                     |
| <ol style="list-style-type: none"><li>传染病智能化监测与早期预警。</li><li>空间流行病学、地理信息系统与多源数据融合在疾病防控中的应用。</li></ol>                                                                                                                                                                                                       |                                                                                     |

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| 3. 遥感、无人机与深度学习在寄生虫病传播风险、传染源及媒介监测中的应用。                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>科研/教学研究项目</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <div>1. 中国疾控中心青年基金 (2023A105) “基于高光谱影像的鄱阳湖区钉螺孳生地识别机制研究”, 主持, 2024 至 2025 年。</div> <div>2. 上海市卫生健康委员会课题 (20194Y0359) “基于无人机的血吸虫病中间宿主钉螺孳生地监测方法研究”, 主持, 2020 至 2022 年。</div> <div>3. 国家科技重大专项 (2025ZD01900400) “新发突发传染病监测预警新技术研究、模型构建及应用示范”, 参与, 2025 至 2028 年。</div> <div>4. 国家自然科学基金国际 (地区) 合作与交流项目 (32311540013) “基于全健康理念的东亚地区新发及再发虫媒病毒病监测和早期预警研究”, 参与, 2023 至 2025 年。</div> <div>5. 国家自然科学基金面上项目 (82173633) “我国输入性疟疾多渠道智能化监测预警模型研究”, 参与, 2022 至 2025 年。</div> <div>6. 国家重点研发计划 (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”, 参与, 2021 至 2024 年。</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>主要学术成果</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>期刊论文</b> <div>1. <b>Xue J-B</b>, Xia S, Wang X-Y, et al. Recognizing and monitoring infectious sources of schistosomiasis by developing deep learning models with high-resolution remote sensing images. Infectious Diseases of Poverty, 2023, 12(1): 1-12. (第一作者)</div> <div>2. <b>薛靖波</b>, 夏尚, 李召军, 等. 基于无人机影像深度学习算法的血吸虫病家畜传染源智能识别研究. 中国血吸虫病防治杂志, 2023, 35(2): 121-127.</div> <div>3. <b>Xue J-B</b>, Hu X, Hao Y, et al. Transmission Risk Predicting for Schistosomiasis in Mainland China by Exploring Ensemble Ecological Niche Modeling. Tropical Medicine and Infectious Disease, 2022, 8(1): 24.</div> <div>4. <b>Xue J-B</b>, Wang X-Y, Zhang L-J, et al. Potential impact of flooding on schistosomiasis in Poyang Lake regions based on multi-source remote sensing images. Parasites &amp; Vectors, 2021, 14: 116.</div> <div>5. <b>Xue J-B</b>, Xia S, Zhang L-J, et al. High-resolution remote sensing-based spatial modeling for the prediction of potential risk areas of schistosomiasis in the Dongting Lake area, China. Acta</div> |

Tropica, 2019, 199: 105102.

### 著作

1. 《曼氏热带病》，上海科学技术出版社，2020 年，参译。
2. 《2015 年全国人体重点寄生虫病现状调查报告》，人民卫生出版社，2018 年，参编。
3. 《全健康科技进展》，上海交通大学出版社，2021 年，参编。

### 专利

遥感影像反演钉螺分布和血吸虫病风险等级评估软件 V1.0，软著登字第 1867851 号，2016 年。

### 荣誉及奖项

无

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| <h2>Profile</h2>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| <p><b>Name:</b> Jing-Bo Xue</p> <p><b>Gender:</b> Male</p> <p><b>Date of birth:</b> 1987.06</p> <p><b>Degree:</b> PhD</p> <p><b>Title:</b> Associate Researcher</p> <p><b>Email:</b> xuejb@nipd.chinacdc.cn</p> <p><b>Address:</b> 207 Ruijin Er Road, Shanghai, China</p>                                                                                                                                                                                                                                                                                                                                                                             |                                                                                     |
| <h2>Education</h2>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                     |
| <p>2020.09-2023.07, Chinese Center for Disease Control and Prevention, PhD in Epidemiology and Health Statistics.</p> <p>2011.09-2014.07, East China Normal University, MSc in Cartography and Geographic Information Systems.</p> <p>2007.09-2011.07, Shandong University of Science and Technology, BSc in Geographic Information Systems.</p>                                                                                                                                                                                                                                                                                                       |                                                                                     |
| <h2>Appointments</h2>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                     |
| <p>2024.01-present, National Institute of Parasitic Diseases, Chinese CDC (Chinese Center for Tropical Diseases Research), Associate Researcher.</p> <p>2022.07-2023.12, Information Center, National Institute of Parasitic Diseases, Chinese CDC, Associate Researcher.</p> <p>2019.08-2022.06, Information Center, National Institute of Parasitic Diseases, Chinese CDC, Assistant Researcher.</p> <p>2018.07-2019.07, Information Center, National Institute of Parasitic Diseases, Chinese CDC, Assistant Researcher.</p> <p>2014.10-2018.06, Information Center, National Institute of Parasitic Diseases, Chinese CDC, Research Assistant.</p> |                                                                                     |
| <h2>Academic Participation and Activities</h2>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                     |
| <p>Young Editorial Board Member, China Tropical Medicine (2022-2027).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                     |

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| Editorial Board Member, Chinese Journal of Parasitology and Parasitic Diseases.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Research Interest</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ol style="list-style-type: none"> <li>1. Intelligent surveillance and early warning of infectious diseases.</li> <li>2. Spatial epidemiology, GIS and multi-source data integration for disease control.</li> <li>3. Remote sensing, unmanned aerial vehicles and deep learning for monitoring parasitic disease risks, infectious sources and vectors.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Projects</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <ol style="list-style-type: none"> <li>1. China CDC Youth Fund (2023A105), “Mechanisms for Identifying Oncomelania hupensis Habitats in the Poyang Lake Region Using Hyperspectral Imagery,” Principal Investigator, 2024-2025.</li> <li>2. Shanghai Municipal Health Commission Project (20194Y0359), “UAV-based Monitoring of Oncomelania hupensis Habitats,” Principal Investigator, 2020-2022.</li> <li>3. National Science and Technology Major Project (2025ZD01900400), “New Technologies, Models and Demonstration Applications for Emerging Infectious Disease Surveillance and Early Warning,” participant, 2025-2028.</li> <li>4. NSFC International Cooperation Project (32311540013), “One Health-based Surveillance and Early Warning of Emerging and Re-emerging Arboviral Diseases in East Asia,” participant, 2023-2025.</li> <li>5. NSFC General Program (82173633), “Multi-channel Intelligent Surveillance and Early-warning Model for Imported Malaria in China,” participant, 2022-2025.</li> <li>6. National Key R&amp;D Program of China (2021YFC2300800), “Pathogenesis and Control Technologies for Major Human Parasitic Infections,” participant, 2021-2024.</li> </ol> |
| <b>Publications</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <ol style="list-style-type: none"> <li>1. <b>Xue J-B</b>, Xia S, Wang X-Y, et al. Recognizing and monitoring infectious sources of schistosomiasis by developing deep learning models with high-resolution remote sensing images. Infectious Diseases of Poverty, 2023, 12(1): 1-12.</li> <li>2. <b>Xue J-B</b>, Xia S, Li Z-J, et al. Intelligent identification of livestock infectious sources of schistosomiasis using UAV imagery and deep learning. Chinese Journal of Schistosomiasis Control, 2023, 35(2): 121-127. (in Chinese)</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

3. **Xue J-B**, Hu X, Hao Y, et al. Transmission Risk Predicting for Schistosomiasis in Mainland China by Exploring Ensemble Ecological Niche Modeling. *Tropical Medicine and Infectious Disease*, 2022, 8(1): 24.
4. **Xue J-B**, Wang X-Y, Zhang L-J, et al. Potential impact of flooding on schistosomiasis in Poyang Lake regions based on multi-source remote sensing images. *Parasites & Vectors*, 2021, 14: 116.
5. **Xue J-B**, Xia S, Zhang L-J, et al. High-resolution remote sensing-based spatial modeling for the prediction of potential risk areas of schistosomiasis in the Dongting Lake area, China. *Acta Tropica*, 2019, 199: 105102.

## Books

1. Manson's Tropical Diseases (Chinese translation), Shanghai Scientific & Technical Publishers, 2020, contributing translator.
2. Report of the 2015 National Survey on Major Human Parasitic Diseases in China, People's Medical Publishing House, 2018, contributing author.
3. Advances in One Health Science and Technology, Shanghai Jiao Tong University Press, 2021, contributing author.

## Patents

Software copyright: Remote Sensing Image-based Retrieval of *Oncomelania hupensis* Distribution and Schistosomiasis Risk Grading Software V1.0, Registration No. 1867851, 2016.

## Honors and Awards