

# Elle Jingjing Xu

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## EDUCATION

- 2026 expected **Ph.D. Geographical Sciences**, University of Maryland, College Park, US
- Committee chair: Dr. Meredith L. Gore
  - Committee: Dr. Kathleen Stewart, Dr. Min Xie, Dr. Stephen Pires
- 2020 **M.E.P. Environmental Policy**, Duke University, US | Duke Kunshan University, CN
- Advisor: Dr. Binbin V. Li
- 2018 **B.S. Finance, minor Biology**, Kean University, US | Wenzhou-Kean University, CN
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## AWARDS

- 2025 ICCB 2025 Student Travel Award, Society for Conservation Biology Oceania (SCBO)
- 2023 Finalist (Student Track), 2023 ESRI Story Map Competition
- 2022-23 Outstanding Graduate Assistant Award, the Graduate School, UMD
- 2021-22 Environmental Mission Scholar in China, Vermont Law School
- 2020 First Prize, The Anti-smuggling Front Journal Manuscript Competition (¥3,000)
- 2019 Organization for Tropical Studies Scholarship (\$1,000)
- 2018 Inspiring Graduates, WKU
- 2016-18 Dean's List, Kean University
- 2016 Dean's Scholarship – Research and Innovation, WKU (¥5,000)
- 2015 Extra-Curricular Scholarship in Academic Activities, WKU (¥5,000)
- 2015 Best Speaker, 10th Wenzhou English Star Television Competition
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## GRANTS

- 2025 Jacob K. Goldhaber Travel Grant, the Graduate School, UMD (\$1,200 matched)
- 2024 Dean's Research Initiative, BSOS, UMD, "*Place-Network Investigations of Neglected Places in Nature Crime*" (\$1,500)
- 2023 Jacob K. Goldhaber Travel Grant, the Graduate School, UMD (\$800 matched)
- 2019 Master Project Research Fund, Environmental Research Center, DKU, "*Giant panda's behavior in response to livestock feces*" (¥31,550, PI)
- 2019 Research Grant, Environmental Research Center, DKU, "*Bird Collision and Conservation Project*" (¥15,000, co-PI)
- 2018 Travel Grant, Environmental Research Center, DKU (¥1,000)
- 2018 National Students' Innovation and Entrepreneurship Training Program, "*Wenrui Tang River Revitalization Assessment*" (¥30,000, co-PI)
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## RESEARCH EXPERIENCE

- 2022- **Graduate Research Assistant**, University of Maryland, College Park
- PACSP TOOLS: Strengthening conservation partnerships by advancing molecular and analytic tools for disrupting illegal wildlife trade
  - Enabling collaborative crime prevention targeting IWT of Vietnam's unique biodiversity (Pu Mat National Park, Nghe Anh)
  - Advisor: Dr. Meredith L. Gore
- 2019-21 **Principle Investigator**, China Conservation and Research Center for the Giant Panda, Wolong, China
- Master Project: Giant panda's behavior in response to livestock feces
  - Advisor: Dr. Binbin V. Li
- 2019-20 **Graduate Fellow**, Organization for Tropical Studies (OTS), Costa Rica

- Agoutis (*Dasyprocta punctata*) make foraging decisions based on seed size, but not necessarily soil characteristics
  - Foraging strategy of leaf-cutting ant workers (*Atta cephalotes*)
- 2019 **Principle Investigator**, Duke Lemur Center, Durham, NC, USA
- Comparison of social behavior of enclosed and free-ranging lemurs (*Lemur catta* & *Propithecus Coquereli*)
- 2019 **Co-Lead**, Bird Collision and Conservation Project, Environmental Research Center, Duke Kunshan University, Kunshan, China
- Initiated the citizen science project on bird collision data collection
  - Implemented applied conservation mechanisms, e.g. deploying anti-collision stickers, hosting expert seminars, launching bird-watching competitions, and cat NTR program
  - Advisors: Dr. Binbin V. Li; Dr. Kathinka Fürst
- 2018 **Student Researcher**, Biodiversity and Sustainability Lab, Duke Kunshan University, Kunshan, China
- The impact of free-range livestock in giant panda's habitat
  - Advisor: Dr. Binbin V. Li
- 2018 **Principle Investigator**, Ol Pejeta Conservancy, Liakipia, Kenya (2018)
- Undergraduate Thesis: Commercialization of wildlife conservation in Ol Pejeta Conservancy & its sustainable practices, supervisor: Dr. Jeonghwan (Jerry) Choi
- 2017-18 **Student Research Assistant**, Biology Lab, Wenzhou Kean University, Wenzhou, China
- Wenrui Tang River revitalization assessment, advisor: Dr. Toby M. Michelena
  - Toxicity of brain targeting peptide K16poE in mice, advisor: Dr. Yu (Yoyo) Meng

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## TEACHING EXPERIENCE

- 2024 **Instructor of Record**, University of Maryland, College Park
- GEOG330 Society and Sustainability (Summer24 I & II)
- 2022- **Graduate Teaching Assistant**, University of Maryland, College Park
- GEOG330 Society and Sustainability (Fall22, Fall24)
  - GEOG331 Introduction to Human Dimensions of Global Change (Spring23)
  - GEOG306 Introduction to Quantitative Methods for the Geographical Environmental Sciences (Spring24)
- 2022- **Guest Lecturer**
- Introduction to Human Dimensions of Global Change, University of Maryland, College Park (March 27, 2025 | March 26, 2024 | May 02, 2023 | April 29, 2023)
- 2019-20 **Program Advisor & Lecturer**, China House, Online
- Online course in One Health, Post-pandemic illegal wildlife trade
  - Online course in CITES Cop18 framework
- 2020 **Tutor**, One Health course, Animal Dialogue (Elefam), Online
- 2018 **Tutor**, Academic English Writing Workshop, Duke Kunshan University
- 2016 **English teacher**, Baan Dada Children's Home, Snagkhlaburi, Thailand

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## PROFESSIONAL EXPERIENCE

- 2020-22 **International Enforcement Cooperation Specialist**, Wildlife Conservation Society (WCS), Countering Wildlife Trafficking (CWT) Program, Guangzhou, China
- 2019-20 **CEO Assistant**, Animal Dialogue (Elefam), Online
- 2018-19 **Cyber-investigator**, Guangxi Biodiversity Research and Conservation Association
- 2018 **Summer Intern**, The Paradise International Foundation, Old Creek Natural Reserve, China
- 2018 **Program Assistant**, Kalinga Kusum Foundation, Bhubaneswar, India & Online

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## PUBLICATIONS

\* indicates publications as co-first author

### Peer-Reviewed Journal Articles

- In review Gore, M.L., Cassolis, **Xu, E. J.**, N.M., Rakowski, J.J. Positive criminology for conservation? *Conservation Letter*.
- In review **Xu, E. J.**, Cao, T.T.D., Xu, X., Rakowski, J., Nguyen, L.V., Joanny, L., Slade, J., Herold, T.D., Cao, T.T., Gore, M.L. Using Place Network Investigations to Explore Neglected Places for Conservation Crimes. *Science of the Total Environment*.
- In review Dabezies, J.M., Freeman, N., Cassolis, N.M., Rakowski, J.J., **Xu, E.J.**, Gore, M.L. Stigmatizing Bioterrorism as a Public Health Concern. The Case of Anthrax in US Media. *BMC Public Health*.
- In press **Xu, E. J.\***, Wang, Y.\*, Reardon, K., Wei, H., & Li, B.V. Do Livestock Feces Repel Giant Pandas? A Smelly Study Investigating the Behavioral Responses from Captive Pandas. *Journal of Mammalogy*. DOI: 10.1093/jmammal/gyaf027.
- 2020 Zhang, X., **Xu, E. J.**, Li, L., & Li, J. (2020). 澜湄次区域打击野生动植物走私国际执法合作的挑战和展望 (Challenges and Vision of International Enforcement Cooperation on Combating Wildlife Trafficking in the Lancang-Mekong Sub Region). *Research on Combating Illegal Wildlife Trade*, 6(3): 15-20.

### Peer-Edited Book Chapters

- 2023 **Xu, E. J.**, Li, B. V. (2023). 被忽略的水生野生动物保护和割裂的管理 (Neglected Aquatic Wildlife Conservation and Split Management). Lv, Z., Xiao, L. (Eds). 当对野味说不时, 我们在说什么?. *Peking University Press*, Beijing, China.
- 2018 Hu, Z.\*, Pan, K.\*, & **Xu, E. J.\*** (2018). 当商业“入侵”野保: 公益和商业真的不兼容吗? (When Commerce "Invades" Wildlife Conservation: are Nonprofit and Business Compatible?). Zhang, S. (Ed). 遇见非洲, 理解世界. *Sichuan People's Publishing House*, Chengdu, China.

### Technical Reports

- 2024 **Xu, E. J.**, Rakowski, J.J., & Gore, M.L. (2024). Community-based Wildlife Crime Prevention in Pu Mat National Park, Vietnam. Report prepared for Re:Wild, Fauna & Flora. March 31, 2024.
- 2023 **Xu, E. J.**, Rakowski, J.J., & Gore, M.L. (2023). Wildlife Crime Prevention using Participatory Mapping and PNI in Pu Mat National Park, Vietnam. Report prepared for Re:Wild, Fauna & Flora. April 1, 2023.

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## SCIENTIFIC PRESENTATIONS

### Invited

- 2024 **Xu, E. J.** & Cao, T.T.D. (2024). Biodiversity Conservation in Annamites Mountain, Vietnam. San Diego Zoo Wildlife Alliance. CA, USA, July 12, 2024.
- 2024 **Xu, E. J.** (2024). Countering Wildlife Trafficking (CWT) Practices from Asia: International Enforcement Cooperation and Crime Science Approaches. Vermont Law School. VT, USA, March 22, 2024.
- 2024 **Xu, E. J.** (2024). Place-Network Investigations of Neglected Places in Nature Crime. Midwest Illegal Turtle Trade Workshop: Enhancing Partnerships to Combat Poaching and Trafficking. Online. Feb. 16, 2024.
- 2023 **Xu, E. J.** (2023). Speed talk. CGIS-University of Vienna Workshop. College Park, MD, USA, September, 2023.
- 2023 **Xu, E. J.**, Rakowski, J.J., & Gore, M. L. (2023). Conservation Criminology: First Insights of Wildlife Crime Prevention in Vietnam. Tech with a Green Governance Conscience Symposium, Ontario Tech University. Ontario, Canada, January, 2023.
- 2022 **Xu, E. J.** (2022). Addressing Global Wildlife Trafficking Issues as an NGO Actor. Undergraduate Class Guest Speaker, Duke Kunshan University, Online. April 25, 2022.
- 2022 **Xu, E. J.** & Li, L. (2022) Counter Wildlife Trafficking with China: Key Government Partners, Current Efforts & Focus. INL CAAP Workshop, Online, February 2022.

- 2020 **Xu, E. J.** (2020). Giant Panda's Behavior in Response to Livestock Feces. Wildlife Research Center Seminar, Kyoto University, Online. June 10, 2020.
- 2020 **Xu, E. J.** (2020). Identification of Common Traded Wildlife and Their Products. Combating Wildlife Trafficking Workshop, Guangxi Biodiversity Research and Conservation Association. Xiamen, China, November, 2020.

### Accepted

- 2024 **Xu, E. J. & Gore, M.L.** (2024). Mapping Nature Crime: Place-Network Investigation of Neglected Places in Vietnam. 32nd Annual Problem-Oriented Policing Conference. Baltimore, Maryland. September 12-14, 2024.
- 2024 **Xu, E. J.** (2024). Participatory Mapping and Place-network Investigation of Neglected Places: Exploring Nature Crime in Vietnam. Association of American Geographers (AAG) Annual Meetings 2024. Honolulu, USA. April 20, 2024.
- 2023 **Xu, E. J.** (2023). Participatory GIS and Place-network Investigations of Neglected Places: Exploring Nature Crime in Vietnam. Big Ten Alliance (BTAA) GIS Conference. Online. Nov. 2023.
- 2019 **Xu, E. J.** (2019). Illegal Wildlife Trade Assisted by Tourism in Southeast Asia Countries. Student Conference on Conservation Science-New York (SCCSNY). New York, USA. October, 2019.
- 2019 **Xu, E. J.** (2019). Illegal Wildlife Trade Assisted by Overseas Tourism in Southeast Asia Countries. Annual Meeting for Association of Tropical Biology and Conservation (ATBC). Antananarivo, Madagascar. July-August, 2019.
- 2019 **Xu, E. J.** (2019). Illegal Wildlife Trade Assisted by Overseas Tourism in Southeast Asia Countries. International Congress for Conservation Biology (ICCB). Kuala Lumpur, Malaysia. July, 2019.
- 2018 **Xu, E. J.** (2018). Commercialization of Wildlife Conservation: A Case Study of Ol Pejeta Conservancy & its Sustainable Practices", Forum on Health, Environment, and Development (FORHEAD). Beijing, China. November, 2018.

### Contributed

- 2023 Gore, M. L. & **Xu, E. J.** (2023). Interdisciplinary mapping of harmful human-environment relationships and conservation crime. Society for Conservation GIS Conference (SCGIS) Keynote presentation. D.C., USA, August, 2023.
- 2023 Rakowski, J.J., **Xu, E. J.**, & Gore, M. L. (2023). Conservation Criminology: First Insights of Wildlife Crime Prevention in Vietnam. Seminario de Criminología Verde en México (Green Criminology Seminar in Mexico), University of Mexico City, Online. March 23, 2023.

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## OUTREACH

### Media Publications

- 2023 **Xu, E. J.**, Joanny, L., Gore, M.L. (2023). [Community-Based Wildlife Crime Prevention Case Study](#). ESRI Story Map, October 27, 2023.
- 2020 **Xu, E. J. & Wang, L.** (2020). [如果要给野生动物交易禁令加个期限, 我希望是\\_\\_\\_\\_\\_](#) (Insights of the Wildlife Trade Ban in China after the COVID19 Outbreak). *The Paper*, February, 1st, 2020.
- 2018 **Xu, E. J.** (2018). [转移的战场: 边境游滋润下的东南亚非法野生动物贸易市场](#) (The Transferred Battlefield: Illegal Wildlife Trade Market Nurtured by Overseas Tourism in Southeast Asia). *The Paper*, December 30, 2018.
- 2018 **Xu, E. J.**, Jin, Y. (2018). 白犀牛的眼泪 (Endangered Species: Tears of Northern White Rhino). *Lohas*, 127: 116-119.

### Public Talks

- 2020 A Conservation Journey from Madagascar to Costa Rica. 1200 Bookstore. Guangzhou, China, May, 2020.

- 2018 Wildlife Conservation and The Last Northern White Rhinos. 1200 Bookstore. Guangzhou, China, June, 2018.
- 2018 The Last Northern White Rhinos. Zoo Coffee. Shanghai, China, May, 2018.
- 2018 The Last Northern White Rhinos. Librairie Avant-Garde Sharing Event. Nanjing, China, April, 2018.
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## **SERVICES**

### **Membership**

2023- Human Dimension Working Group, Collaborative to Combat the Illegal Trade in Turtles (CCITT)

2023- Association for American Geographers (AAG)

2019- Society for Conservation Biology (SCB)

2019- Association for Tropical Biology and Conservation (ATBC)

**Journal Reviewer**, Biological Conservation; Conservation Biology; Crime Science; Forest Policy and Economics; Global Ecology and Conservation; People and Nature (2022-)

**Treasurer**, Graduate Student Organization (GSO), UMD GEOG (2023-24)

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## **SKILLS**

**Languages:** Chinese (native), English (fluent), Spanish (A1)

**Software:** ArcGIS Pro, Google Colab, Google Earth Pro, IBM i2 Analyst's Notebook, JMP Pro, Microsoft Office, QGIS, R, SatScan

**Teaching:** Associate Certificate-University Teaching & Learning Program; Certificate of Accreditation in Teaching Chinese as a Second Language (The International Society of Chinese Language Pedagogy, July 2017)