

Xingfeng Si

College of Life Sciences, Zijin'gang Campus, Zhejiang University
866 Yuhangtang Road, Hangzhou, Zhejiang 310058, China
Tel: +86(571)8820-6467 Fax: +86(571)8820-6468
Email: xingfengsi@gmail.com Web: <http://sixf.org>

RESEARCH INTERESTS

Animal ecology, biodiversity, camera traps, conservation biology, farmland abandonment, habitat fragmentation, island biogeography, land reclamation, ornithology, wildlife monitoring

POSITION

2014– **Postdoctoral Research Fellow.** College of Life Sciences, Zhejiang University

EDUCATION

2008–2014 **Ph.D.** in Ecology, Zhejiang University
2012–2013 **Visiting Student** in Ecology, Duke University
2004–2008 **B.S.** in Biology, Zhejiang Normal University

AWARDS AND HONORS

2014 **Poster Award of WERC National Conference**, Mammalogical Society of China
2013 **Gold Award of the 9th Kingfisher Forum**, China Ornithological Society
2012 **Award of Honor of the 1st Student Forum**, CLS Zhejiang University
2011 **Graduate of Merit in 2010–2011**, Zhejiang University
2011 **First-class Award of Honor for Graduate in 2010–2011**, Zhejiang University
2011 **Gold Award of the 7th Kingfisher Forum**, China Ornithological Society
2009 **Silver Award of the 5th Kingfisher Forum**, China Ornithological Society
2008 **Ten Outstanding Research & Training Students**, Zhejiang Normal University
2005 **Excellent Student Cadre in 2004–2005**, Zhejiang Normal University
2005 **Second-class Scholarship in 2004–2005**, Zhejiang Normal University
2005 **Excellent League Member in 2004**, Zhejiang Normal University

GRANTS AND FELLOWSHIPS

2012–2013 **Joint-training Ph.D. Program**, China Scholarship Council. (Scholarship: c. 21,000 USD)
2008–2013 **Full Graduate Scholarship**, Zhejiang University. (Scholarship: c. 12,000 USD)

2006–2007 Observations of the reproductive behavior of rodents. **Laboratory Open Program of Zhejiang Normal University**. (Role: 1/3)

Participated Projects (Selected)

- 2015–2018 The small-island effect of amphibian and reptile assemblages in the Thousand Island Lake. **National Science Foundation of China**. (Role: 6/10)
- 2013–2017 Food web structure and its effects on avian and plant communities in subtropical fragmented habitats — A case study in the Thousand Island Lake. **National Science Foundation of China**. (Role: 4/8)
- 2012–2015 Dynamic and stability of forest bird communities in fragmented habitats of Thousand Island Lake. **National Science Foundation of China**. (Role: 6/10)
- 2012–2014 Sensitivity researches on habitat fragmentation of birds and reptiles in Thousand Island Lake. **National Science Foundation of China**. (Role: 5/8)
- 2012–2014 Body size evolution and life history response of *Takydromus septentrionalis* on fragmented islands. **National Science Foundation of China**. (Role: 3/7)
- 2010–2012 Biodiversity census in Baishanzu National Nature Reserve (Plants, Mammals and Birds). **Baishanzu National Nature Reserve**. (Role: fieldwork)
- 2009–2011 Effects of habitat fragmentation on life history traits of birds in Thousand Island Lake. **National Science Foundation of China**. (Role: fieldwork)
- 2009–2010 Wildlife resource census in Wuxijiang Wetland Park, Zhejiang. **Forestry Administration of Qujiang District**. (Role: fieldwork)
- 2008–2011 Demonstration project of resource monitoring technology for forest birds. **Special Topic of National Key Technology R & D Program of China**. (Role: 3/5)
- 2008–2008 Wildlife resource census in Hongshuang Nature Reserve, Rui'an, Zhejiang. **Forestry Administration of Rui'an City**. (Role: fieldwork)
- 2007–2009 Effects of habitat fragmentation on species diversity and community compositions of birds in Thousand Island Lake. **National Science Foundation of China**. (Role: fieldwork)

PUBLICATIONS [†]in Chinese (with English abstract)

Journal Articles

7. Si X, Baselga A, Ding P (2015) Revealing beta-diversity patterns of breeding bird and lizard communities on inundated land-bridge islands by separating the turnover and nestedness components. *PLoS ONE* 10: e0127692.
6. Shen G, Pimm SL, Feng C, Ren G, Liu Y, Xu W, Li J, Si X, Xie Z (2015) Climate change challenges the current conservation strategy for the giant panda. *Biological Conservation* 190: 43–50.
5. Si X, Pimm SL, Russell GJ, Ding P (2014) Turnover of breeding bird communities on islands in an inundated lake. *Journal of Biogeography* 41: 2283–2292.
4. Si X, Kays R, Ding P (2014) How long is enough to detect terrestrial animals? Estimating the minimum trapping effort on camera traps. *PeerJ* 2: e374.
3. [†]Si X, Ding P (2014) Camera trap survey of population dynamics of mammals and birds in Gutianshan Forest Dynamics Plot, eastern China. *Biodiversity Science* 22: 819–822.

2. [†]Xu A, **Si X**, Wang Y, Ding P (2014) Camera traps and its minimum trapping effort for ground-dwelling mammals in fragmented habitats in the Thousand Island Lake, Zhejiang Province. *Biodiversity Science* 22: 764–772.
1. [†]**Si X**, Ding P (2011) History, status of monitoring land birds in Europe and American and counter-measures of China. *Biodiversity Science* 19: 303–310.

Other Professional Publications

3. [†]**Si X** (2014) *Species Turnover and Beta Diversity of Breeding Bird Communities in Fragmented Habitats*. PhD dissertation, Zhejiang University, Hangzhou.
2. **Si X**, Ding P (2014) Turnover of breeding birds on land-bridge islands. *Newsletter of China Ornithological Society* 23(1): 30.
1. [†]Zhang L, Bao Y, Li H, **Si X**, Hu S (2008) The functional groups and trophic levels of soil macrofauna in different vegetation types, Beishan Mountain, Jinhua. In: *Proceedings of the 8th National Symposium on the Conservation and Sustainable Use of Biodiversity in China, Jinhua, China* 2008: 257–267.

Popular Articles and Others

3. [†]**Si X** (2014) Dry Tortugas National Park — Home of the sooty tern. *China Nature* 2014(6): 76–81.
2. [†]**Si X** (2014) Apply for the China Scholarship Council fund. *China Postgraduates* 2014(9): 58–59.
1. [†]**Si X** (2014) How to track the latest references. *China Postgraduates* 2014(6): 32–33.

PRESENTATIONS

Oral Presentations

14. **Si X**, Ding P (2014) Turnover of breeding bird communities in Thousand Island Lake. *The 17th National Conference of the China Zoological Society*, Guangzhou, China
13. **Si X**, Ding P (2014) Minimum trapping efforts on camera traps. *The 10th National Conference on Wildlife Ecology and Resource Conservation*, Guilin, China
12. **Si X**, Ding P (2014) Biodiversity monitoring using camera traps. *The 6th Symposium of Biodiversity Conservation and Sustainable Development in Zhejiang*, Zhoushan, China
11. **Si X**, Pimm SL, Russell GJ, Ding P (2014) Turnover of breeding bird communities on islands of an inundated lake. Institute of Botany, Chinese Academy of Sciences, Beijing, China. (Invited talk)
10. **Si X**, Ding P (2014) Turnover of breeding bird communities on land-bridge islands. *The 3rd Forum of Zhejiang Scholars on Zoology*, Lishui, China
9. **Si X**, Ding P (2014) Species turnover of bird communities on land-bridge islands in Thousand Island Lake, eastern China. *The 6th EAFES International Congress*, Haikou, China
8. **Si X**, Pimm SL, Russell GJ, Ding P (2013) Determinants of colonization-extinction dynamics of breeding bird communities on land-bridge islands. *The 12th China Ornithological Congress and the 9th Kingfisher Forum of Chinese Young Ornithologists Workshop*, Hangzhou, China
7. **Si X** (2012) Biodiversity research in the Thousand Island Lake region. *The Pimm Group at Duke University*, Durham, North Carolina, USA

6. **Si X** (2012) Introduction to camera traps. *Undergraduate Summer Zoology Field Practice*, Thousand Island Lake, China
5. **Si X**, Ding P (2011) Minimum trapping effort of monitoring ground-activity animals using camera traps: a case study in Gutianshan National Nature Reserve. *The 7th Kingfisher Forum of Chinese Young Ornithologists Workshop*, Lanzhou, China
4. **Si X**, Ding P (2010) Monitoring ground-activity birds using camera trapping in Gutianshan 24-ha plot. *The 9th National Symposium on the Conservation and Sustainable Use of Biodiversity in China*, Xiamen, China
3. **Si X**, Ding P (2010) Bird monitoring in Gutianshan 24-ha plot: using spot mapping and infrared cameras. *The 2010 International Forum on Biodiversity Monitoring*, Nanjing, China
2. **Si X**, Shen G, Ding P (2009) Basic results of monitoring bird communities in Gutianshan 24-ha plot. *The 3rd Cross-strait Symposium on Forest Dynamic Plots*, Zhaoqing, China
1. **Si X**, Ding P (2009) Bird community structures in Gutianshan dynamic monitoring plot. *The 5th Kingfisher Forum of Chinese Young Ornithologists Workshop*, Harbin, China

Poster Presentations

6. **Si X**, Baselga A, Ding P (2015) Partitioning beta diversity into turnover and nestedness components in assemblages of breeding birds and lizards on inundated land-bridge islands. *The 7th Biennial Conference of the International Biogeography Society*, Bayreuth, Germany. (with lightning talk)
5. **Si X**, Pimm SL, Russell GJ, Ding P (2014) Breeding bird turnover on land-bridge islands. *The 10th National Conference on Wildlife Ecology and Resource Conservation*, Guilin, China
4. **Si X**, Pimm SL, Russell GJ, Ding P (2014) Breeding bird turnover on land-bridge islands. *The 26th International Ornithological Congress*, Tokyo, Japan
3. **Si X**, Ding P (2014) Wildlife monitoring using camera traps in Gutianshan National Nature Reserve, Zhejiang. *The 1st Symposium of Wildlife Biodiversity Monitoring on Camera Traps*, Beijing, China
2. **Si X**, Ding P (2012) How long is enough to monitor ground-dwelling animals? A case study of minimum trapping effort in Gutianshan National Nature Reserve, eastern China. *The 1st Student Forum on Sci-Tech Innovation of College of Life Sciences at Zhejiang University*, Hangzhou, China
1. **Si X**, Ding P (2012) How long is enough to monitor ground-dwelling animals? A case study of minimum trapping effort in Gutianshan National Nature Reserve, eastern China. *The 13th Student Conference on Conservation Science*, Cambridge, UK

TEACHING EXPERIENCE

- **Teaching Assistant.** *Undergraduate Summer Zoology Field Practice*, Tianmushan Biosphere Reserve, China: 2009, 2010, 2012, 2014

SPECIALIZED TRAINING

- 2014 **The 2nd International Training Course on Frontier in Animal Ecology and Conservation Biology.** Organized by SCB-China, ISZS and IOZ CAS, 2014.11.22–12.01, Beijing, China
- 2014 **Functional and Phylogenetic Diversity.** Nathan Swensson (Michigan State University), 2014.09.28–29, Beijing, China

- 2013 **Metapopulation Capacity Analyses (Mathematica v9)**. Gareth Russell (New Jersey Institute of Technology), 2013.01.28–30, Durham, North Carolina, USA
- 2013 **Survival Rate Analyses and Banding Training of the Sooty Tern *Onychoprion fuscatus***. Stuart Pimm (Duke University), 2013.3.11–14, Dry Tortugas, Florida, USA
- 2010 **Wildness First Aid**. Lloyd Figgins (EarthWatch Institute), 2010.10.07–10, Kaihua, China
- 2009 **Spatial Analysis Biostatistics**. Pierre Legendre (Université de Montréal), 2009.10.01–05, Beijing, China
- 2009 **Linear Regression**. Pierre Legendre (Université de Montréal), 2009.09.10–15, Beijing, China
- 2009 **Mathematical Statistics, R Programming Language and Multivariate Statistical Analyses**. Jiangshan Lai, Jinlong Zhang (Institute of Botany, Chinese Academic of Science), Yanping Chen (Renmin University of China), 2009.09.05–09, Beijing, China

PARTICIPATION IN SCIENTIFIC CONFERENCES (SELECTED)

- 2015 Biennial Conference of the International Biogeography Society, Bayreuth, Germany
- 2014 International Ornithological Congress, Tokyo, Japan
- 2014 EAFES International Congress, Haikou, China
- 2013 International Congress on Conservation Biology, Baltimore, Maryland, USA
- 2012 Student Conference on Conservation Science, Cambridge, UK
- 2011 Symposium for Theoretical Ecology and Biodiversity, Guangzhou, China
- 2010 The 2010 International Forum on Biodiversity Monitoring, Nanjing, China
- National Conference of the China Zoological Society: 2014(Guangzhou)
 - National Conference on Wildlife Ecology and Resource Conservation: 2011(Jinhua), 2014(Guilin)
 - China Ornithological Congress: 2009(Harbin), 2011(Lanzhou), 2013(Hangzhou)
 - Cross-strait Symposium on Forest Dynamic Plots: 2009(Zhaoqing), 2010(Xiamen)
 - National Symposium on the Conservation and Sustainable Use of Biodiversity in China: 2008(Jinhua), 2010(Xiamen)
 - Kingfisher Forum of Chinese Young Ornithologists Workshop: 2008(Beijing), 2009(Harbin), 2011(Lanzhou), 2013(Hangzhou)

PROFESSIONAL AFFILIATIONS

- Member International Biogeography Society, Society for Conservation Biology, International Society of Zoological Sciences, China Ornithological Society, Ecological Society of Zhejiang Province, Zhejiang Zoological Society

ACADEMIC SERVICE, PROFESSIONAL DEVELOPMENT AND PUBLIC OUTREACH

- 2014–2015 **Conference Coordinator**. International Workshop of Habitat Fragmentation and Biodiversity Conservation in the Thousand Island Lake, Chun'an, Hangzhou, China
Attendees: Richard T. Corlett, Raphael K. Didham, Robert D. Holt, Marcel Holyoak, William F. Laurance, Stuart L. Pimm, Scott K. Robinson, Sabrina E. Russo, David S. Wilcove, Jianguo Wu, etc.

- 2013 **Assistant Conference Organizer.** The 9th Kingfisher Forum of Chinese Young Ornithologists Workshop, Hangzhou, China
- 2013 **Volunteer.** Sooty Tern (*Onychoprion fuscatus*) Project of US National Park Service, Dry Tortugas, Florida, USA
- 2011 **Invited Guest.** Chuyang Forum of Zhejiang Normal University, Jinhua, China
- 2011 **Invited Report.** Yiting High School, Yiwu, China
- 2008 **Beijing Olympic Torch Escort.** Beijing Olympic Torch Relay Center, Shaoxing, China
- 2006–2007 **Deputy Director.** The Secretariat of Student Council of Chuyang Honors College at Zhejiang Normal University, Jinhua, China
- 2004 **Student Representative.** The 2004 Graduation Ceremony of Yiting High School, Yiwu, China

COMPUTER SKILLS

Statistical R, Mathematica, WinBUGS
 Others L^AT_EX, Adobe Photoshop, MS Office Suite, EndNote, OS X iWork

LANGUAGES AND OTHERS

Language English (Fluent), Mandarin (Excellent), Wu Chinese (Native)
 Field skill Wilderness First Aid (Level 2)
 Running Marathon (4:51:44)

PROFESSIONAL REFERENCES

Ping Ding, Professor, Dean of Department of Biology
 Zhejiang University, College of Life Sciences
 Email: dingping@zju.edu.cn Tel: +86(571)8820-6468
 Web: <http://mypage.zju.edu.cn/personnelCard/pingding>

Stuart L. Pimm, Doris Duke Professor of Conservation
 Duke University, Nicholas School of the Environment
 Email: stuartpimm@me.com Tel: +1(919)613-8141
 Web: <http://nicholas.duke.edu/people/faculty/pimm>

Scott K. Robinson, Ordway Professor of Ecosystem Conservation
 Florida University, Florida Museum of Natural History
 Email: srobinson@flmnh.ufl.edu Tel: +1(352)273-1965
 Web: <https://www.flmnh.ufl.edu/ordwaylab>

Kenneth J. Feeley, Assistant Professor of Biology
 Florida International University, Department of Biological Sciences
 Email: kfeeley@fiu.edu Tel: +1(305)348-7316
 Web: <http://www2.fiu.edu/~kfeeley>

Last updated: June 6, 2015