

# Weiyi Wang

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## EDUCATION

### PhD Candidate

**Oct 2022-Present**

Conservation of forest birds: Safeguarding bird biodiversity in forest landscapes

(Supervisor: Ass. Prof. Sue Baker; Prof. Menna Jones)

**University of Tasmania, Australia**

### MRes in Ecology and Environmental Biology (with Merit)

**Sept 2018-Sept 2019**

Quantifying the Urban Gradient to Understand Variation in Blue Tit (*Cyanistes*

*caeruleus*) Reproductive Behaviour and Fitness (Supervisor: Dr. Davide Dominoni)

**University of Glasgow, United Kingdom**

### Bachelor's Degree in Bio-science

**Sept 2014-Jul 2018**

The Impact of Road Construction on Wild Animal-A Case Study of HanHuang Highway

(Supervisor: Prof. Shuhai Bu)

**Northwest Agriculture and Forestry University, China**

## PROFESSIONAL EXPERIENCES

### Research Assistant - ConservationEE Lab, Peking University

**Oct 2019 – Oct 2023**

(Supervisor: Dr. Fangyuan Hua)

### **Project manager**

**Mar 2020 -Oct 2023**

Research on globally divergent impacts of agriculture-induced deforestation on avian communities and their underlying factors

Research on providing critical scientific knowledge to inform ecological restoration in and around Wanglang national reserve, China

**Apr 2020 – Apr 2021**

### **Field assistant**

**Apr 2020 – Apr 2021**

Research on bird community response to different land use types at Hengduan Mountain range, Sichuan, China

Wood Snipe (*Gallinago nemoricola*) breeding ecology study, Sichuan, China

**May – Jun 2021**

### **Team member**

**Oct – Dec 2021**

Research on global ecosystem survey and biodiversity trade-off under different forest restoration approach.

## PUBLICATIONS&GRANTS AND CONFERENCES

### Publications

F. Hua, **W. Wang**, S. Nakagawa, et al. Ecological filtering shapes the impacts of agricultural deforestation on biodiversity. **Nature Ecology & Evolution** 8, 251–266 (2024). DOI: 10.1038/s41559-023-02280-w

F. Hua, L. Bruijnzeel, P. Meli, P.A. Martin, J. Zhang, S. Nakagawa, X. Miao, **W. Wang**, C. McEvoy, J. Luis, Peña-Arancibia, P. H. S. Brancalion, P. Smith, D.P. Edwards, A. Balmford, The biodiversity and ecosystem service contributions and trade-offs of contrasting forest restoration approaches, **Science** 376,839-844(2022). DOI:10.1126/science.abl4649

### Grants

Rufford Small Grants for Nature Conservation ( £ 6000) | Rufford Foundation (UK), 2020: Providing Critical Scientific Knowledge to Inform Ecological Restoration in and Around the Giant Panda National Park, a Case Study in Wanglang, China

Holsworth Wildlife Research Endowment (\$17,500) | Ecological Society of Australia (Australia), 2023: Conservation of forest birds: Safeguarding bird diversity in forest landscapes

## Conference

W. Wang, X. Miao, S. Liu, F. Hua, Globally divergent impacts of agriculture-induced deforestation on avian communities and their underlying factors, **Presentation** at The 16<sup>th</sup> Chinese Ornithological Conference, 7. Apr 2022, (online), China

C. Branston, B. Helm, K. Griffiths, W. Wang, D. Dominoni, Environmental variation along an urban-rural gradient and the effect on blue and great tit life history parameters, **Poster** presented at British Ecology Society Annual Meeting, 12. Dec 2019, Belfast, UK

## **INTERNSHIPS AND VOLUNTEER**

### Internships

#### **Team member – Cloud Mountain Conservation**

**Dec 2018-Oct 2019**

Species identification in camera traps images

**Jul 2017-Apr 2018**

#### **Team core member – College of life science, Northwest A&F University**

Environmental Evaluation Prior to Construction of Hanhuang Highway

**Jul 2015**

#### **Team core member – Chinese Academy of Science, Kunming,**

Study about high-throughput DNA sequencing and environmental DNA

### Volunteer

#### **Southern University of Science and Technology, Guangdong, China**

**Nov 2019**

Participated in Non-breeding season shorebird survey and banding in Leizhou, China

#### **Animal Dialogue, research and educational think-tank, China**

**Mar 2019 – Oct 2023**

Editor and Communication intern

#### **Loch Lomond Bird of Prey Centre, Glasgow, UK**

**Jan – Jun 2019**

Participated in sanitation and hygiene management for owls and public education on birds of prey.

#### **Nepal government regional agriculture training center, Pokhara, Nepal**

**Mar 2018**

Participated in organic coffee plantation

## **SKILLS**

### Language Skills

Chinese native speaker

English fluent: IELTS 7.5, GRE 307

### Experimental and field Skills

Field work experience, especially in bird survey, with certification on bird banding – good command

Taxidermy: making specimen of insects – basic knowledge

Basic knowledge on Biochemistry and molecular laboratory skills, such as PCR, Western Blotting, DNA extraction and purification

Proficient in Zoology, Botany and Microbiology experiment techniques, such as micro-technique, anatomy and cell culturing

### Software Skills

R programming (lme4, nlme, MuMIn, ggplot2, MCMCglmm) – good command

QGIS – good command

MS Office – good command

Adobe photoshop, Lightroom, Premiere – good command

**Referee**

Sue Baker

Associate Professor of Forest Sustainability Science

ARC Future Fellow in forest ecology and conservation biology

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Shaun Suitor

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