

PERSONAL INFORMATION

Chao Chen



 Honey bee genetics and breeding
Institute of Apicultural Research 2 Yuanmingyuan Xilu
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Sex Male | Date of birth 12/1/1984 | Nationality Chinese

WORK EXPERIENCE

Replace with dates (from - to)

Executive Chief Scientist Insect Pollinator resources and breeding innovation team, Institute of Apicultural Research, Chinese Academy of Agricultural Sciences	January 2024 - Present
Professor Institute of Apicultural Research, Chinese Academy of Agricultural Sciences	January 2023 – Present
Associate Professor Institute of Apicultural Research, Chinese Academy of Agricultural Sciences	January 2018 – December 2022
Consultant Food and Agriculture Organization of the United Nations	September 2019 – March 2020
Assistant Professor Institute of Apicultural Research, Chinese Academy of Agricultural Sciences	July 2016 – December 2017
Postdoctoral Fellow Institute of Apicultural Research, Chinese Academy of Agricultural Sciences	December 2013 – June 2016

EDUCATION AND TRAINING

Replace with dates (from - to)

Doctor of Philosophy in Biology Department of Animal Sciences, Oregon State University	September 2008 – September 2013
Master student in Genetics College of Marine Life Sciences, Ocean University of China	September 2006 – July 2008
Bachelor of Science in Biological Sciences College of Marine Life Sciences, Ocean University of China	September 2002 – July 2006

PERSONAL SKILLS

Mother tongue(s) Chinese

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

Replace with name of language certificate. Enter level if known.

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

Replace with name of ICT-certificate(s)

Driving licence

Replace with driving licence category/-ies. Example:
 B

ADDITIONAL INFORMATION

Publications (Peer-reviewed)

1. Chen C, Wang H, Liu Z, Chen X, Tang J, Meng F, Shi W. (2018). Population genomics provide insights into the evolution and adaptation of the eastern honey bee (*Apis cerana*). *Mol Biol Evol* 35:2260–2271. {IF=14.797}
2. Chen C, Liu Z, Pan Q, Chen X, Wang H, Guo H, Liu S, Lu H, Tian S, Li R, et al. (2016). Genomic analyses reveal demographic history and temperate adaptation of the newly discovered honey bee subspecies *Apis mellifera sinixinyuan* n. ssp. *Mol Biol Evol* 33:1337–1348. {IF5=14.558}
3. Uzunov A, Chen C, Gabel M, Kovačić M. (2024) Queen ringing vs. queen caging for summer brood interruption. *Journal of Apicultural Research*, 1–4.
4. Uzunov A, Chen C. (2023). Queen ringing – An alternative method for inducing breed interruption. *Bee World* 100, 67–70.
5. Ji C, Shi W, Tang J, Ji T, Gao J, Liu F, Shan J, Chen X, and Chen C*. (2023). Morphometrical analyses revealed high diversity of the eastern honey bee (*Apis cerana*) in mountains and islands in China. *Journal of Apicultural Research* 62:647–655. {IF=1.9}
6. Chen C*, Parejo M*, Momeni J, Langa J, Nielsen RO, Shi W, SMARTBEES WP3 DIVERSITY CONTRIBUTORS, Vingborg R, Kryger P, Bouga M, et al. (2022). Population structure and diversity in European honey bees (*Apis mellifera* L.) –An empirical comparison of pool and individual whole-genome sequencing. *Genes* 13:182. {IF=3.5}
7. Tang J, Ji C, Shi W, Su S, Xue Y, Xu J, Chen X, Zhao Y, and Chen C*. (2023). Survey results of honey bee colony losses in winter in China (2009–2021). *Insects* 14, 554. {IF=3.0}
8. Uzunov A, and Chen C. (2023). Queen Ringing – An alternative method for inducing brood interruption. *Bee World* 0, 1–4.
9. Halvorson K, Baumung R, Leroy G, Chen C, Boettcher P. (2021). Protection of honeybees and other pollinators: one global study. *Apidologie* 52:535–547. {IF=2.722}
10. Tang J, Ma C, Shi W, Chen X, Liu Z, Wang H, Chen C*. (2020). A National survey of managed honey bee colony winter losses (*Apis mellifera*) in China (2013–2017). *Diversity* 12, 318. {IF=2.465}
11. Meng F, Liu Z, Han H, Finkelbergs D, Jiang Y, Zhu M, Wang Y, Sun Z, Chen C, Guo Y, et al. (2020). Chromosome-level genome assembly of *Aldrichina grahami*, a forensically important blowfly. *Gigascience* 9. {IF=6.524}
12. Coulibaly K, Majeed M, Chen C, Yeo K, Shi W, Ma C-S. (2019). Insights into the Maternal Ancestry of Côte d'Ivoire Honeybees Using the Intergenic Region COI-COII. *Insects* 10:90. {IF=2.22}
13. Chen X, Shi W, Chen C. 2019. Differential circular RNAs expression in ovary during oviposition in honey bees. *Genomics* 111:598–606. {IF=6.205}
14. Meng F, Ren L, Wang Z, Deng J, Guo Y, Chen C, Finkelbergs D, Cai J. (2017). Identification of forensically important blow flies (Diptera: Calliphoridae) in China based on COI. *J. Med. Entomol.* 54:1193–1200.
15. Chen X, Ma C, Chen C, Lu Q, Shi W, Liu Z, Wang H, Guo H. (2017). Integration of lncRNA–miRNA–mRNA reveals novel insights into oviposition regulation in honey bees. *PeerJ* 5:e3881.
16. Chen C, Liu Z, Luo Y, Xu Z, Wang S, Zhang X, Dai R, Gao J, Chen X, Guo H, et al. (2017). Managed honeybee colony losses of the Eastern honeybee (*Apis cerana*) in China (2011–2014). *Apidologie* 48:692–702.
17. Liu Z, Chen C, Niu Q, Qi W, Yuan C, Su S, Liu S, Zhang Y, Zhang X, Ji T, et al. (2016). Survey results of honey bee (*Apis mellifera*) colony losses in China (2010–2013). *Journal of Apicultural Research* 55:29–37.

Books

1. Good beekeeping practices for sustainable apiculture, 2021, FAO
2. Beekeeping contributes to achieve the Sustainable Development Goals, 2020, Apimondia

Seminars

- SMARTBEES: Workshop on bioinformatics, 4th-7th of July 2018, Getaria-Bilbao, Basque Country, Spain
- SMARTBEES: Workshop on honey bee genomic analysis, 23rd-25th of July, 2019, Kirchhain, Germany

Honours and awards

1. Youth Science and Technology Innovation Award of CAAS, 2021.
2. Shennong China Agricultural Science and Technology Award, the second prize, 2019, contribute as a team member.
3. Beijing Science and Technology Award, the third prize, 2015, contribute as a team member.

Advisory Contribution

- Standardization Working Group 5 on Apiculture of National Technical Committee 274 on Animal Husbandry of Standardization Administration of China Member (June 2021 to present)
- Technical working group on bees for the 3rd General Survey of Animal Genetic Resources of China. Member (March 2021 to present)

