

# Curriculum Vitae

**Name: Mamoru Terayama**      **Entomologist, Science writer**

Sex: Male

Date of birth: 31 July 1958

Place of birth: Akita City, Japan

Marital status: Married, 2 children

Nationality: Japanese

**Academic degree: Doctor of Science (The University of Tokyo, Japan)**

**Doctoral dissertation:** Phylogenetic Systematics of Bethylinidae (Hymenoptera: Chrysidoidea), with a Taxonomic Revision of the Japanese Species and Descriptions of New Taxa from Asia, Australia, South America and Africa. vi + 692 pp. (Graduate School of Science (Biology), the University of Tokyo)

## **Overall Aim**

Understanding of the biodiversity and community biota

Taxonomy of Hymenoptera (wasps, bees and ants)

## **Expertise/tools**

Molecular biology, Physiology, Morphology, Taxonomy, Community Ecology, and

Macroecology (Global Ecology and Biogeography)

## **Current interests**

Applied studies of Argentine ants and fire ants using synthetic trail pheromone

Taxonomy of aculeate wasps and ants in East Asia

Measuring and Understanding of biodiversity, especially Latitudinal gradients of diversity of biota

Myrmecophilous animals

## **Summary of profile**

Mamoru Terayama is a lecturer at the University of Tokyo. He was born in 1958 in Akita City, Japan. His major research interests are phylogenetic systematics of insects (He described more than 400 new species of insects), community ecology, macroecology (global ecology and biogeography) and conservation biology. He has described a total of more than 400 new insect species. He received his Doctor of Science in the phylogenetic study on the bethylid wasps from the University of Tokyo. His books include *Identification guide to the Aculeata of the Nansei Islands, Japan* (Hokkaido University Press, 1999), *Ants of Japan* (Gakushu-kenkyu-sha, 2003), *Life sciences –human, nature and evolution-* (Daigaku-kyoiku-shippan, 2005), *The Argentine Ants: The Strongest Animal in History* (University of Tokyo Press, 2014), *Encyclopedia of Japanese ants* (Asakura-Shoten, 2014), and *A Guide to the Aculeate Wasps of Japan* (Tokai University Press, 2016), etc. He has also published several popular books and textbooks as a science writer (more than 40 books).

## **Personal history**

1958.7 Born in Akita City, Japan

1978.4-1982.3 Faculty of Agriculture, Meiji University

1982.4-1984.3 Graduate School of Agriculture, Utsunomiya University (Degree of Master of Agriculture (農修 407 号))

1984.4-1987.3/1993.4-1995.3 Graduate School of Arts and Sciences, the University of Tokyo (Degree of Doctor of Science (乙 12185 号))

### **Educational positions**

1999.4- present The University of Tokyo (Graduate School of Agricultural and Life Sciences/ Faculty of Agriculture: Lecturer: teach Systematic Entomology)

1987.4-1993.3 Toho Girls' Senior High School, Tokyo: Teacher of Biology

1994.4-1998.3 Ibaraki Christian University (Faculty of Literature : teach Biology)

1997.4-2002.3 Tokyo University of Polytechnics (Faculty of Technology: teach Biology)

1997.4-1999.3/ 2009.4-2010.3 Senshu University (Faculties of Law and Business Administration: teach Science of Life C and Life Science)

2001.4-2008.3 Kanto Gakuen University (Faculties of Law and Economics : teach Biology A, B, C, and Life Science A, B)

2004. 4-2007.3 The Meteorological College (teach Biology)

## **Editorial and society positions**

### **Societies**

1990.4-1994.3 Chief Editor: The Biogeographical Society of Japan

1992.4- present Councilor: The Biogeographical Society of Japan

1994.4-2000.3 Vice President: The Biogeographical Society of Japan

1993.4-1995.3/ 2006.4- present Chief Editor: The Myrmecological Society of Japan

1995.4- present Councilor: The Myrmecological Society of Japan

### **Government**

1994.9- 1997.8/ 2000.9- 2003.8 Member of Conservation of nature study committee of correspondence (part 6) in the Science and Technology Council of Japan (Scientific advisory organization of the government)

2003.4-2005.3 Expert commission member of Targeted taxa for the national census evaluation of the river and waterside committee: Ministry of Land, Infrastructure, Transport and Tourism

2003.4-2005.3/ 2014.4- present Expert commission member of Targeted taxa for the research on the dam and fountainhead committee : Ministry of Land, Infrastructure, Transport and Tourism

2007.4-2009.3 Expert commission member of the Argentine ant controlling committee: Ministry of the Environment

### **Private-sector companies**

1996.4-2000.3 Adviser/ Editor of the Annual Reports of Nature Research: Asian Consultant (Co., Ltd.) , Tokyo

2005.5- present Director: YMS Preparatory School for Medical Universities, Tokyo.

### **Awards**

1993.4 Award of the Biogeographical Society of Japan in 1992

2017.3 Insect Science Most cited Paper Award of 2016 (Chinese Academy of Science)

### **Scientific papers**

More than 140 papers were published in following refereed journals until 2016:

### **International or Quasi-international Journals**

*Systematic Entomology, Naturwissenschaften, Insectes Sociaux, Biological Invasions, Journal of Economic Entomology, Pest Management Science, Journal of Natural History, Entomological Science, Sociobiology, Zoological Science, Zootaxa, Zookeys, Psyche: A Journal of Entomology*

### **Domestic Journals**

**Japan:** *Species Diversity, Japanese Journal of Systematic Entomology, Biogeography, Bulletin of the Biogeographical Society of Japan, Proceedings of the Japanese Society of the Systematic Zoology, Japanese Journal of Entomology, Memoirs of the Myrmecological Society of Japan, Journal of the Myrmecological Society, New Entomologists, Transactions of the Shikoku Entomological Society, House and Household Insect Pest (H.H.I.P.), Edaphologia, Rostris, Journal of the Hymenopterological Society of Japan, Kontyu, Japanese Journal of Conservation Ecology*

**USA:** *Florida Entomologists, Journal of New York Entomological Society, Journal of Entomological Science, Oriental Insects*

**France:** *Nouvelle Revue d'Entomologie*

**Belgium:** *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique*

**Australia:** *Australian Journal of Entomology*

**China:** *Acta Zootaxonomica Sinica, Entomotaxonomia, Acta Entomologica Sinica*

**Taiwan:** *Chinese Journal of Entomology*

### **Others: University Bulletins and Academic reports of Museums, etc.**

Academic Reports, Fac. Eng. Tokyo Polytech. Univ.(東京工芸大学工学部紀要) ; Bull. Inst. Nat. Sci., Senshu Univ. (専修大学自然科学紀要) ; Liberal Arts, Bull. Kanto Gakuen Univ. (関東学園大学紀要) ; Annual of the Center of North Saitama Area Studies, Rissyo Univ. (立正大学北埼玉地域研究センター年報) ; Ogasawara Research (小笠原研究年報, 東京都立大学) ; Bull. Toho Gakuen (桐朋学園女子部研究紀要) ; Bull. Kanagawa Prefect. Mus. (Nat. Sci.) (神奈川県立生命の星・地球博物館研究報告) ; Bull. Nat. Sci. Mus. (国立科学博物館専報) ; Miscellaneous Reports of the Institute for Nature Study (自然教育園報告, 国立科学博物館) ; Mem. Kagoshima Univ. Res. Center S. Pac. (鹿児島大学南海研センター紀要) ; Nat. Hist. Res., Special Issue (千葉県立博物館特別報告) ; Nature and Human Activities (兵庫県立人と自然の博物館欧文報告) ; Bull. Ibaraki Nature Museum (茨城県自然博物館研究報告)

## Summarize of achievements List

Refer to attached sheet for the detailed achievements list.

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I. Books	45 (in English 3, in Spanish 1, Japanese • English hybrid version 1)
II. Original research papers	143
III. Reviews	3
IV. Research papers, Research reports	37
V. Academic conference Presentations	
(Japan)	80
(International congress)	17
VI. Short communications	150
VII. Other articles (general writing, book review etc.)	
	41
VIII. Translation articles	2
IX. Data base	6
<b>Total</b>	<b>521 articles</b>
X. Patent	2 (Domestic patent 1, American patent 1)
XI. Outreach activities	
Invitation lecture	34 (Lecture in English 4)
Television, radio appears	57 (Television 53, radio 4)
Newspapers, weekly publications, etc.	64

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Oct. 31, 2017

**Mamoru Terayama, Dr. Sci**

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