

CURRICULUM VITAE

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Yousuke KAIFU

Professor

The University Museum, The University of Tokyo
Hongo 7-3-1, Bunkyo, Tokyo 113-0033, Japan



Degrees earned:

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| 1999 | DSc (Anthropology), The University of Tokyo |
| 1994 | MSc (Anthropology), The University of Tokyo |
| 1992 | BSc (Anthropology), The University of Tokyo |

Area of expertise and research interests

Palaeoanthropology, skeletal anthropology; Reconstructing human evolutionary history in Asia

Academic experiences and Awards:

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| 2024-present | President of The Anthropological Society of Nippon |
| 2023 | The Award of The Anthropological Society of Nippon |
| 2020 | Achievement Award, Japan Institute of Navigation |
| 2020-present | Professor, The University Museum, The University of Tokyo |
| 2019 | Yamagata Katsumi Award, Yamagata Maritime Institute |
| 2016 | Mont-bell Challenge Award, mont-bell Co.,Ltd. |
| 2015-20 | Head of the Division of Human Evolution, Department of Anthropology, National Museum of Nature and Science, Tokyo |
| 2013-present | Science Committee Member, Musée d'Anthropologie Préhistorique, Monaco |
| 2012 | Japan Society for the Promotion of Science Prize, Japan Society for the Promotion of Science |
| 2008-14 | Senior researcher, Department of Anthropology, National Museum of Nature and Science, Tokyo |
| 2007-20 | Associate professor, Graduate School of Biological Sciences, The University of Tokyo |
| 1995-07 | Researcher, Department of Anthropology, National Museum of Nature and Science, Tokyo |

Membership of academic societies:

Anthropological Society of Nippon / Asian Palaeolithic Association / Indo-Pacific Prehistory Association
Japanese Palaeolithic Research Association / Paleoanthropology Society / Primate Society of Japan
Society of Evolutionary Studies, Japan

Journal Editors:

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| 2007-2009 | Journal of Human Evolution (Associate Editor) |
| 2007-present | Anthropological Science (Associate Editor) |
| 2007-present | Journal of Oral Biosciences (Associate Editor) |

Selected Publications

Edited volumes:

Kaifu, Y., Izuho, M., Goebel, T., Sato, H., Ono, A. (Eds.). 2015. *Emergence and Diversity of Modern Human Behavior in Paleolithic Asia*. Texas A&M University Press, College Station. pp. 580.

Journal papers:

Kaifu, Y., Athreya, S., 2025. Diversity and evolution of archaic eastern Asian hominins: A synthetic model of the fossil and genetic records. *PaleoAnthropology* 2025, 370–397.

Baab, K.L., Kaifu, Y., Freidline, S.E., Rogers, M.J., Semaw, S., 2025. New reconstruction of DAN5 cranium (Gona, Ethiopia) supports complex emergence of *Homo erectus*. *Nat Commun* 16, 10878.

Hung, H.C., Deng, Z., Liu, Y., Ran, Z., Zhang, Y., Li, Z., Kaifu, Y., Huang, Q., Nguyen, K.T.K., Le, H.D., Xie, G., Nguyen, A.T., Yamagata, M., Simanjuntak, T., Noerwidi, S., Fauzi, M.R., Tolla, M., Wetipo, A., He, G., Sawada, J., Zhang, C., Bellwood, P., Matsumura, H., 2025. Earliest evidence of smoke-dried mummification: More than 10,000 years ago in southern China and Southeast Asia. *Proc Natl Acad Sci USA* 122, e2515103122.

Kaifu, Y., Lin, C.-H., Ikeya, N., Yamada, M., Iwase, A., Chang, Y.-L.K., Uchida, M., Hara, K., Amemiya, K., Sung, Y., Suzuki, K., Muramatsu, M., Tanaka, M., Hanai, S., Hawira, T., Uchida, S., Fujita, M., Miyazawa, Y., Nakamura, K., Wen, P.-L., Goto, A., 2025. Paleolithic seafaring in East Asia: An experimental test of the dugout canoe hypothesis. *Sci Adv* 11, eadv5507.

Chang, Y.-L.K., Miyazawa, Y., Guo, X., Varlamov, S., Yang, H., Kaifu, Y., 2025. Traversing the Kuroshio: Paleolithic migration across one of the world's strongest ocean currents. *Sci Adv* 11, eadv5508.

Tsutaya, T., Sawafuji, R., Taurozzi, A.J., Fagernas, Z., Patramanis, I., Troche, G., Mackie, M., Gakuhari, T., Oota, H., Tsai, C.H., Olsen, J.V., Kaifu, Y., Chang, C.H., Cappellini, E., Welker, F., 2025. A male Denisovan mandible from Pleistocene Taiwan. *Science* 388, 176-180.

Kaifu, Y., Kurniawan, I., Mizushima, S., Sawada, J., Lague, M., Setiawan, R., Sutisna, I., Wibowo, U.P., Suwa, G., Kono, R.T., Sasaki, T., Brumm, A., van den Bergh, G.D., 2024. Early evolution of small body size in *Homo floresiensis*. *Nat. Commun.* 15, 6381.

Kaifu, Y., 2022. A synthetic model of Palaeolithic seafaring in the Ryukyu Islands, southwestern Japan. *World Archaeology* 54: 187-206.

Kaifu, Y., Kurniawan, I., Yurnaldi, D., Setiawan, R., Setiyabudi, E., Insani, H., Takai, M., Nishioka, Y., Takahashi, A., Aziz, F., Yoneda, M. (2022) Modern human teeth unearthed from below the ~ 128,000-year-old level at Punung, Java: A case highlighting the problem of recent intrusion in cave sediments. *Journal of Human Evolution* 163: 103122.

Kaifu, Y., Ishikawa, J., Muramatsu, M., Kokubugata, G., Goto, A. in press. Establishing the efficacy of reed-bundle rafts in the Paleolithic colonization of the Ryukyu Islands. *The Journal of Island & Coastal Archaeology*

Kaifu, Y., Kuo, T.-H., Kubota, Y., Jan, S. 2020. Palaeolithic voyage for invisible islands beyond the horizon. *Sci. Rep.* 10, 19785. <https://doi.org/10.1038/s41598-020-76831-7>.

Ihara, Y., Ikeya, K., Nobayashi, A., Kaifu, Y. 2020. A demographic test of accidental versus intentional island colonization by Pleistocene humans. *J. Hum. Evol.* 145:

Kaifu, Y., Lin, C.-H., Goto, A., Ikeya, N., Yamada, Y., Chiang, W.-C., Fujita, F., Hara, K., Hawira, T., Huang, K.-E., Huang, C.-H., Kubota, Y., Liu, C.-H., Miura, K., Miyazawa, Y., Monden, O., Muramatsu, M., Sung, Y., Suzuki, K., Tanaka, N., Tsang, C.-H., Uchida, S., Wen, P.-L. 2019. Palaeolithic seafaring in East Asia: An experimental test of the bamboo raft hypothesis. *Antiquity* 93:1424–1441.

Kaifu, Y. 2017. Archaic hominin populations in Asia before the arrival of modern humans: their phylogeny and implications for the “southern Denisovans”. *Current Anthropology* 58: S418–S433.

- Fujita, M., Yamasaki, S., Katagiri, C., Oshiro, I., Sano, K., Kurozumi, T., Sugawarae, H., Kunikita, D., Matsuzaki, H., Kano, A., Okumura, T., Sone, T., Fujita, H., Kobayashii, S., Naruse, T., Kondo, M., Matsu'ura, S., Suwa, G., Kaifu, Y. 2016. Advanced maritime adaptation in the western Pacific coastal region extends back to 35,000–30,000 years before present. *Proceedings of the National Academy of Sciences, USA* 113: 11184–11189.
- Van den Bergh, G.D., Kaifu, Y., Kurniawan, I., Kono, R.T., Brumm, A., Setiyabudi, E., Aziz, F., Morwood, M.J. 2016. Homo floresiensis-like fossils from the early Middle Pleistocene of Flores. *Nature* 534:245-248.
- Kaifu, Y., Kono, R. T., Sutikna, T., Saptomo, E. W., Jatmiko, Due Awe, R. 2015. Unique dental morphology of Homo floresiensis and its evolutionary implications. *PLoS ONE* 10(11): e0141614. doi: 10.1371/journal.pone.0141614
- Kaifu, Y., Kurniawan, I., Kubo, D., Sudiabudi, E., Putro, G.P., Prasanti, E., Aziz, F., Baba, H. 2015. Homo erectus calvaria from Ngawi (Java) and its evolutionary implications. *Anthrpol. Sci.* 123: 161-176.
- Kaifu, Y., Kono, R.T., Sutikna, T., Saptomo, W.E., Jatmiko, Due Awe, R., Baba, H. 2015. Descriptions of the dental remains of Homo floresiensis. *Anthropol. Sci.* 123: 129-145.
- Chang, C.-H., Kaifu, Y., Takai, M., Kono, R.T., Grün, R., Matsu'ura, S., Kinsley, L., Lin, L.-K. 2015. The First archaic Homo from Taiwan. *Nat. Commun.* 6:6037 doi: 10.1038/ncomms7037.
- Kubo, D., Kono, R.T., Kaifu, Y. 2013. Brain size of Homo floresiensis and its evolutionary implications. *Proc. Royal Soc. B.* 280: 1471-2954.
- Kaifu, Y., Fujita, M., 2012. Fossil record of early modern humans in East Asia. *Quat. Int.* 248: 2-11.
- Kaifu, Y., Baba, H., Sutikna, T., Morwood, Kubo, D., M., Saptomo, E.W., Jatmiko, Due Awe, R., Duniatono, 2011. Craniofacial morphology of Homo floresiensis: description, taxonomic affinities, and evolutionary implication. *J. Hum. Evol.* 61:644-682.
- Kaifu, Y., Fujita, M., Kono, R.T., Baba, H., 2011. Late Pleistocene modern human mandibles from the Minatogawa Fissure site, Okinawa, Japan: morphological affinities and implications for modern human dispersals in East Asia. *Anthropol. Sci.* 109: 137-157.
- Kaifu, Y., Zaim, Y., Baba, H., Kurniawan, I., Kubo, D., Rizal, Y., Arif, J., Aziz, F., 2011. New reconstruction and morphological description of a Homo erectus cranium - Skull IX (Tjg-1993.05) from Sangiran, Central Java. *J. Hum. Evol.* 61: 270-294.
- Kaifu, Y., Baba, H., Kurniawan, I., Sutikna, T., Saptomo, E.W., Jatmiko, Due, R.A., Kaneko, T., Aziz, F., Djubiantono, T., 2009. “Pathological” deformation in the skull of LB1, the type specimen of Homo floresiensis. *Am J Phys Anthropol.* 140: 177-185.
- Kaifu, Y., Aziz, F., Indriati, E, Jacob, T., Kurniawan, I., and Baba, H., 2008. Cranial morphology of Javanese Homo erectus: New evidence for continuous evolution, specialization, and terminal extinction. *J. Hum. Evol.* 55:551-580.
- Kaifu, Y. 2006. Advanced dental reduction in Javanese Homo erectus. *Anthropol. Sci.* 114: 35-43.
- Kaifu, Y., Baba, H., Aziz, F., Indriati, E, Schrenk, F., and Jacob, T., 2005. Taxonomic affinities and evolutionary history of the Early Pleistocene hominids of Java: Dento-gnathic evidence. *Am. J. Phys. Anthropol.* 128: 709-726.
- Kaifu, Y., Aziz, F., and Baba, H., 2005. Hominid mandibular remains from Sangiran: 1952-1986 collection. *Am. J. Phys. Anthropol.* 128: 497-519.
- Kaifu, Y., Kasai, K., Townsend, G.C., and Richards, L.C., 2003. Tooth wear and the “design” of the human dentition: A perspective from evolutionary medicine. *Yrb. Phys. Anthropol.*, 46: 47-61.
- Baba, H., Aziz, F., Kaifu, Y., Suwa, G., Kono, R.T, and Jacob, T., 2003. Homo erectus cranium from Pleistocene of Java. *Science*, 299: 1384-1388.
- Kaifu, Y., 2000. Tooth wear and compensatory modification of the anterior dentoalveolar complex in humans. *Am. J. Phys. Anthropol.* 111: 369-392.
- Kaifu, Y., 2000. Was extensive tooth wear normal in our ancestors? A preliminary examination in the

genus *Homo*. *Anthropol. Sci.*, 108: 371-385.

Kaifu, Y., 1999. Changes in the pattern of tooth wear from prehistoric to recent periods in Japan. *Am. J. Phys. Anthropol.* 109: 485-499.

Kaifu, Y., 1997. Changes in mandibular morphology from the Jomon to modern periods in eastern Japan. *Am. J. Phys. Anthropol.* 104: 227-243.

Book chapters:

Kaifu, Y. Izuho, M., Goebel, T. 2015. Modern human dispersal and behavior in Palaeolithic Asia: Summary and Discussion. In: Kaifu, Y. Izuho, M., Goebel, T., Sato, H., Ono, A. (Eds.), *Emergence and Diversity of Modern Human Behavior in Paleolithic Asia*. pp. 535-566. Texas A&M University Press, College Station.

Kaifu, Y., Fujita, M., Yoneda, M., Yamasaki, S. 2015. Pleistocene seafaring and colonization of the Ryukyu Islands, southwestern Japan. In: Kaifu, Y. Izuho, M., Goebel, T., Sato, H., Ono, A. (Eds.), *Emergence and Diversity of Modern Human Behavior in Paleolithic Asia*. pp. 345-361. Texas A&M University Press, College Station.

Izuho, M., Kaifu, Y., 2015. The appearance and characteristics of the Early Upper Paleolithic in the Japanese Archipelago. In: Kaifu, Y. Izuho, M., Goebel, T., Sato, H., Ono, A. (Eds.), *Emergence and Diversity of Modern Human Behavior in Paleolithic Asia*. pp. 289-313. Texas A&M University Press, College Station.

Kaifu, Y., Setiyabudi, E., Kurniawan, I., Baba, H., Aziz, F. 2013. Evolution of Indonesian *Homo erectus* in the Early Pleistocene: significance of Sangiran 17. In: Aziz, F., Baba, H. (Eds.), *Homo erectus in Indonesia. Recent Progress of the Study and Current Understanding*. Centre for Geological Survey, Bandung. pp. 65-91.

Kurniawan, I., Setiyabudi, E., Kaifu, Y., Aziz, F., Baba, H. 2013. Evolution of Indonesian *Homo erectus* through the Middle Pleistocene: significance of Sambungmacan 4. In: Aziz, F., Baba, H. (Eds.), *Homo erectus in Indonesia. Recent Progress of the Study and Current Understanding*. Centre for Geological Survey, Bandung. pp. 93-102.

Kaifu, Y., Baba, H., Aziz, F. 2013. Conclusions: current status of Indonesian *Homo erectus*. In: Aziz, F., Baba, H. (Eds.), *Homo erectus in Indonesia. Recent Progress of the Study and Current Understanding*. Centre for Geological Survey, Bandung. pp. 103-106.

Kaifu, Y., Indriati, E., Aziz, F., Kurniawan, I., Jacob, T., Baba, H., 2010. Cranial morphology and variation of the earliest Indonesian hominins. In: Norton, C.J., Braun, D.R. (Eds.), *Asian Paleoanthropology: From Africa to China and Beyond*. Springer, Dordrecht. pp. 143-157.