

## CV of Moriaki Yasuhara □

### 1. Academic Qualification

- (1) Mar. 2003 PhD. Geosciences, Osaka City University
- (2) Mar. 2001 MS. Geosciences, Osaka City University
- (3) Mar. 1999 BS. Geosciences, Osaka City University

### 2. Positions Held □ Chronological Order □

- (1) Jan 2017-Present Associate Professor of School of Biological Sciences and Swire Institute of Marine Science, The University of Hong Kong
- (2) Jan 2011-Jan 2017 Assistant Professor of School of Biological Sciences, Department of Earth Sciences, and Swire Institute of Marine Science, The University of Hong Kong
- (3) Sep 2013 Temminck Fellow, Naturalis Biodiversity Center, Netherlands
- (4) Oct 2008-Sep 2010 Smithsonian Marine Science Network Postdoctoral Fellow
- (5) Oct. 2007-Oct. 2008 Smithsonian Postdoctoral Fellow
- (6) Oct. 2005-Oct. 2007 JSPS Postdoctoral Fellow at US Geological Survey

### 3. Research Areas Related to Ocean Science, Technology and/or Policy

Paleontologist/ Paleoecologist/ Macroecologist/ Biogeographer/ Evolutionary biologist/ Marine biologist/ Micropaleontologist/ Paleoceanographer/ Quaternary geologist

### 4. Funded Research Projects as Principal Investigator (PI), Co-PI or Co-Investigator (Co-I) over the Past 5 Years (Maximum 5 Projects):

- (1) Hopping or Whack-A-Mole? Cenozoic dynamics of marine biodiversity hotspots
- (2) Arctic paleoceanography: ostracode proxy for brine formation and methane seepage
- (3) Northwestern Pacific biodiversity hotspot: investigating biodiversity and biogeographic patterns and their controlling factors
- (4) Environment, ecosystems, and evolution in the deep ocean: A coupled approach using foraminifera and ostracodes.
- (5) Revealing historical profile of marine ecological degradation in Hong Kong using paleoecological approaches

## 5. Five Key Publications over the Past 5 Years □\*Corresponding author□

- (1) Chiu, W. T. R., **Yasuhara, M.\***, Cronin, T. M., Hunt, G., Gemery, L., Wei, C. L., 2019. Marine latitudinal diversity gradients, niche conservatism and out of the tropics and Arctic: Climatic sensitivity of small organisms. *Journal of Biogeography*. doi:10.1111/jbi.13793
- (2) **Yasuhara, M.\***, deMenocal, P. B., Dwyer, G. S., Cronin, T. M., Okahashi, H., Huang, H. H. M., 2019. North Atlantic intermediate water variability over the past 20,000 years. *Geology*: 47, 659–663. doi:10.1130/G46161.1
- (3) Jöst, A. B., **Yasuhara, M.\***, Wei, C. L., Okahashi, H., Ostmann, A., Martínez Arbizu, P., Mamo, B.§, Svavarsson, J., Brix, S., 2019. North Atlantic Gateway: Test bed of deep□sea macroecological patterns. *Journal of Biogeography*: 46, 2056–2066. doi:10.1111/jbi.13632
- (4) Hong, Y.\* , **Yasuhara, M.\***, Iwatani, H., Mamo, M., 2019 Baseline for ostracod-based northwestern Pacific and Indo-Pacific shallow-marine paleoenvironmental reconstructions: ecological modeling of species distributions. *Biogeosciences*: 16, 585-604. doi:10.5194/bg-16-585-2019
- (5) Cheung, R. C. W.\* , **Yasuhara, M.\***, Mamo, B.\* , Katsuki, K., Seto, K., Takata, H., Yang, D. Y., Nakanishi, T., Yamada, K., Iwatani, H.§, 2018. Decadal□ to centennial□ scale East Asian summer monsoon variability over the past millennium: an oceanic perspective. *Geophysical Research Letters*: 45 (15), 7711–7718. doi:10.1029/2018GL077978

## 6. Awards and Recognition

- (1) The 20th Biwako Prize for Ecology (2019), The Ecological Society of Japan
- (2) The Academic Award, 2018, The Paleontological Society of Japan
- (3) Outstanding Young Researcher Award (OYRA) 2014-2015, The University of Hong Kong
- (4) Research Output Prize 2013, The University of Hong Kong