

Curriculum Vitae – April 2023

Tomomi SAITO

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EDUCATION

BA. (Science of Fisheries) from Kyoto University, Kyoto. Passed in 1993.

Ph.D. (Science) from Tokyo University, Tokyo. Passed in 2002.

WORKING EXPERIENCE

“Technician” of Raising and Exhibition Section, Port of Nagoya Public Aquarium, 1994-2003.

“Senior Chief” of Sea Turtle Reproduction Section, Port of Nagoya Public Aquarium, 2004-2008.

“Section Manager” of Sea Turtle Reproduction Section, Port of Nagoya Public Aquarium, 2009-2011.

“Associate Professor”, Usa Marine Biological Institute, Kochi University, 2012-2021.

“Professor”, Usa Marine Biological Institute, Kochi University, 2022- present

UNIVERISTY COURSE LECTURES

Animal Ecology, Kochi University, 2012- present

Marine Biology, Kochi University, 2012- present
Basic training course of Marine Biology, Kochi University, 2012- present
Basic training course of Marine Biology, Kansei Gakuin University, 2012- present
Fisheries Biology, Kochi University, 2017- present
Introduction to Chelonian Biology, The Open University of Japan, 2023- present

MEMBERSHIP OF PROFESSIONAL ASSOCIATION

The Crustacean Society of Japan, Member, 1998- present
International journal editorial board member, 2015- present
The Zoological Society of Japan, Member, 2000- present
The Japanese Society of Systematic Zoology, Member, 2007- present
Secretary of general affairs, 2006-2009
45th Meeting Executive Committee Chairperson, 2009
Electoral Commissioner, 2010-2013
Japanese journal editorial board member, 2016-2019
Sea Turtle Association of Japan, Member, 2012- present
Board member, 2016- present
Herpetological Society of Japan, Member, 2016- present

SERVICE ON SCIENTIFIC COMMITTEES:

Domestic hawksbill turtle conservation and aquaculture research project, Expert member of hawksbill sea turtle aquaculture promotion committee, 2010
Aichi Prefecture Introduced Species Review, Committee, 2011
Kochi Prefecture Red Data Book (animal edition) revision project, Revision Committee, Reptiles and Amphibians Subcommittee Chairman, 2014-2020

Ministry of the Environment, Japan, Conservation Promoter for Endangered Species of Wild Fauna and Flora, 2015- present

Kochi Prefecture, Endangered Wildlife Conservation Specialist, 2015- present

IUCN, Marine Turtle Specialist Group, Member, 2023- present

RESEARCH INTEREST

Management and Conservation Biology, Wildlife Ecology, Freshwater and Marine Ecology, Herpetology, Biology of Sea Turtles, Crustacean Biology, Evolution and Marine Biodiversity, Coastal development, Hydrobiology, Science Education.

PROJECTS

1. National Museum of Natural History, Paris, "Phylogenetic study of shrimps of the Infra Order Stenopodidea". Co-researcher. 2003, 2006.
2. National Taiwan Ocean University, "Taxonomic study of shrimp in the family Stenopodidae". Co-researcher. 2010.
3. Okinawa Prefectural Government, "How will the nature of the island change if the bridge is built? -Survey of the current state of the biota of Irabujima and Shimojishima Islands". Co-researcher. 2012.
4. Okinawa Prefectural Government, "Biocultural Diversity Survey and Comprehensive Coral Reef Conservation Model Construction Project for Coral Reef Ecosystem Conservation in Irabu and Shimoji-shima Islands". Co-researcher. 2014.
5. STRETCH, "Unraveling the mysteries of North Pacific loggerhead sea turtle migrations". Co-researcher. 2021- present.

RESEARCH FUNDING AWARDS

1. Japan Association of Zoos and Aquariums, "Wildlife Conservation Fund". Co-Researcher. 2005.
2. Institute of Fisheries and Invertebrates, "Individual Research Grant". Representative. 2006.
3. Grant-in-Aid for Scientific Research, "Encouragement Research". Representative. 2007.
4. Narishige Science Promotion Fund. Representative. 2008-2009.

5. Grant-in-Aid for Scientific Research, "Research start-up support". Representative. 2012-2013.
6. Japan Association of Zoos and Aquariums, "Wildlife Conservation Fund". Representative. 2015-2016.
7. Mitsui & Co. Environment Fund 2015 Research Grant. Representative. 2016-2018.
8. Grant-in-Aid for Scientific Research, ``Basic C''. Representative. 2016-2018.
9. Tosashimizu City Geopark academic research support project. Representative. 2018.
10. Grant-in-Aid for Scientific Research, "Basic C". Representative. 2019-2022.
11. Grant-in-Aid for Scientific Research, ``Basic C''. Co-researcher. 2019-2021.
12. Grant-in-Aid for Scientific Research, ``Basic B''. Co-researcher. 2020-2024.
13. Grant-in-Aid for Scientific Research, "Basic C". Representative. 2023-present.

PUBLICATIONS

1. Okamura, K., and **Saito, T.** 2023. First record of *Atyopsis spinipes* (Newport, 1847) (Decapoda: Atyidae) from Shikoku Island, Japan. Bulletin of the Shikoku Institute of Natural History16: 30-32 (In Japanese with English abstract).
2. **Saito, T.**, and Fujita, Y. 2022. A new shrimp of the genus *Odontozona* Holthuis, 1946 (Decapoda: Stenopodidea: Stenopodidae) from a submarine cave of the Ryukyu Islands, Indo-West Pacific. Zootaxa 5175 (4): 439–452.
3. Kaneshiro, Y., and **Saito, T.** 2022. List of Amphibians and Reptiles from Kochi Prefecture. Bulletin of the Shikoku Institute of Natural History15: 74-76 (In Japanese).
4. Muñoz, C., **Saito, T.**, and Vermeiren, P. 2021. Cohort structure and individual resource specialization in loggerhead turtles, long-lived marine species with ontogenetic migrations. Marine Ecology Progress Series 671: 175-190.
5. Kaneshiro, Y., Yachimori, S., Tanioka, H., Watabe, T., Yoshikawa, T., **Saito, T.**, Mino, A., Sakamoto, M., and Kasagi, K. 2021. Distribution of amphibians and reptiles in Kochi Prefecture. Bulletin of the Shikoku Institute of Natural History 14: 83-148 (In Japanese with English Abstract).
6. Briscoe D.K., Turner-Tomasewicz C., Seminoff, J. A., Parker, D. M., Balazs G., Polovina J., Kurita M., Okamoto H., **Saito T.**, Rice M., and Crowder L.B. 2021. Dynamic thermal corridor

may connect endangered loggerhead sea turtles across the Pacific Ocean. *Frontiers in Marine Science* 8: 630590.

7. Hatakenaka, T., Miyake, K., Takada, K., Sasai, T., Fukada, S., Kayou, M., Obuchi, T., Maeda, K., Makabe, M., Kawazu, I., and **Saito, T.** 2021. Influence of retention conditions and duration on the swim frenzy in green sea turtle hatchlings. *Kuroshio Science* 14(2): 103-112 (In Japanese with English abstract).
8. Fujimoto, R., Kosaka, S., Miyake, K., Kobayashi, Y., Takada, K., Kumazawa, Y., and **Saito, T.** 2020. Effect of retention conditions and duration on the swim frenzy of hatchling loggerhead turtles. *Herpetological Conservation and Biology* 15(3): 579-587.
9. Konishi, K., and **Saito, T.** 2019. Re-description of the first zoea of deep-sea spider crab *Platymaia alcocki* (Brachyura: Majoidea: Inachidae) from laboratory-hatched materials. *Aquatic Animals* AA2019-3.
10. Kobayashi, Y., Fujimoto, R., Kosaka, S., Miyake, K., Tanaka, K., and **Saito, T.** 2019. Environmental factors affecting beach selection by nesting loggerhead turtles in Kochi Prefecture. *Kuroshio Science* 12(2): 156-173 (In Japanese with English abstract).
11. **Saito, T.**, Wada, M., Fujimoto, R., Kobayashi, S., and Kumazawa, Y. 2019. Effects of sand type on hatch, emergence, and locomotor performance in loggerhead turtle hatchlings. *Journal of Experimental Marine Biology and Ecology* 511: 54-59.
12. Kobayashi, S., Aokura, N., Fujimoto, R., Mori, K., Kumazawa, Y., Ando, Y., Matsuda, T., Nitto, H., Arai, K., Watanabe, G., and **Saito, T.** 2018. Incubation and water temperatures influence the performances of loggerhead sea turtle hatchlings during the dispersal phase. *Scientific Reports* 8: 11911
13. **Saito, T.**, and Fujita, Y. 2018. A new species of the stenopodidean shrimp genus *Odontozona* Holthuis, 1946 (Crustacea: Decapoda: Stenopodidea: Stenopodiidae) from the Ryukyu Islands, Indo-West Pacific. *Zootaxa* 4450(4): 458-472.
14. Takagi, M., Fujimoto, R., Waseda, S., and **Saito, T.** 2018. Occurrence of ghost crabs (Ocypode, Ocypodinae, Ocypodidae, Brachyura) on the sandy beaches of Kochi Prefecture. *Kuroshio Science* 11(2): 128-139 (In Japanese with English abstract).
15. Waseda, S., **Saito, T.**, Yachimori, S., and Genkai-Kato, M. 2018. Effects of seawall improvement on animals preying on loggerhead turtle eggs. *Kuroshio Science* 11(2): 140-145 (In Japanese with English abstract).
16. Fujimoto, R., Wada, M., Kobayashi, S., Kumazawa, Y., and **Saito, T.** 2018. Temporal change of frenzy swimming in loggerhead turtle hatchlings. *Kuroshio Science* 11(2): 152-162 (In Japanese with English abstract).

17. Fukuda, T., Itsuka, T., Donai, K., Kurita, M., **Saito, T.**, Okamoto, H., Kinoshita, K., Katayama, M., Nitto, H., Uchida, T., Onuma, M., Sone, H., Inoue-Murayama, M., and Kiyono, T. 2018. Expression of human mutant cyclin dependent kinase 4, Cyclin D and telomerase extends the life span but does not immortalize fibroblasts derived from loggerhead sea turtle (*Caretta caretta*). *Scientific Reports* 8: 9229.
18. **Saito, T.**, Kurita, M., Okamoto, H., Kakizoe, Y., Parker, D., Briscoe, D., Rice, M., Polovina, J., and Balazs, G. 2018. Satellite tracking immature loggerhead turtles in temperate and subarctic ocean habitats around the Sea of Japan. *Micronesica* 2018-03: 1-20.
19. Kobayashi, S., Wada, M., Fujimoto, R., Kumazawa, Y., Arai, K., Watanabe, G., and **Saito, T.** 2017. The effects of nest incubation temperature on embryos and hatchlings of the loggerhead sea turtle: Implications of sex difference for survival rates during early life stages. *Journal of Experimental Marine Biology and Ecology* 486: 274-281.
20. Wada, M., Fujimoto, R., Ooyama, J., Kobayashi, S., Kumazawa, Y., and **Saito, T.** 2017. Nesting ecology of female loggerhead turtles (*Caretta caretta*) and sand particle size of the nesting sites at Nii and Nino Beaches, Niyodo River mouth, Kochi Prefecture. *Kuroshio Science* 10(2): 136-147 (In Japanese with English abstract).
21. **Saito, T.**, Okuno, J., and Anker, A. 2017. Two new species of the stenopodidean shrimp genus *Odontozona* Holthuis, 1946 (Decapoda: Stenopodidae) from the Indo-West Pacific. *Crustacean Research* 46: 25-55.
22. Watanabe, M., Yachimori, S., **Saito, T.**, and Genkai-Kato, M. 2017. Predators of eggs of loggerhead turtles at Ikumi Beach, Toyo Town, Kochi Prefecture. *Bulletin of the Shikoku Institute of Natural History* 10: 9-15 (In Japanese with English abstract).
23. Komai, T., De Grave, S., and **Saito, T.** 2016. Two new species of the stenopodidean shrimp genus *Spongiocaris* Bruce & Baba, 1973 (Crustacea: Decapoda: Spongicolidae) from the Indo-West Pacific. *Zootaxa* 4111(4): 421-447.
24. Okada, T., Henmi, Y., Mino, A., Itani, G., **Saito, T.**, and Machida, Y. 2016. Record of *Clorida japonica* (Crustacea: Stomatopoda: Squillidae) from Tosa Bay, Kochi Prefecture, Japan. *NANKISEIBUTSU* 58(2): 206-207 (In Japanese with English abstract).
25. Briscoe D, Parker D, Balazs G, Okamoto H, Kurita M, **Saito, T.**, Rice M, Polovina J, and Crowder L. 2016. Active dispersal in loggerhead sea turtles (*Caretta caretta*) during the 'lost years'. *Proceedings of the Royal Society B* 283: 20160690.
26. Briscoe, D., Parker, D., Bograd, S., Hazen, E., Scales, K., Balazs, G., Kurita, M., **Saito, T.**, Okamoto, H., Rice, M., Polovina, J., and Crowder, L. 2016. Multi-year tracking reveals extensive pelagic phase of juvenile loggerhead sea turtles in the North Pacific. *Movement Ecology* 4(23)

27. Komaki, Y., Yachimori, S., **Saito, T.**, and Genkai-Kato, M. 2016. Protection of loggerhead turtle eggs from predation by foxes at Ikumi Beach in Toyo Town, Kochi Prefecture. *Kuroshio Science* 9(2): 164-173 (In Japanese with English abstract).
28. **Saito, T.**, Kurita, M., Okamoto, H., Uchida, I., Parker, D., and Balazs, G. 2015. Tracking male loggerhead turtle migrations around southwestern Japan using satellite telemetry. *Chelonian Conservation and Biology* 14(1): 82-87.
29. **Saito, T.**, and Anker, A. 2014. Two new species and new records of *Microprosthem* Stimpson, 1860 (Crustacea: Decapoda: Stenopodidea: Spongicolidae) from the Indo-West Pacific. *Zootaxa* 3857 (2): 183–206.
30. Kusuda, S., Yasukawa, Y., Shibata, H., **Saito, T.**, Doi, O., Ohya, Y. and Yoshizaki, N. 2013. Diversity in the matrix structure of eggshells in the Testudines (Reptilia). *Zoological Science*, 30(5): 366-374.
31. **Saito, T.** 2013. Shrimps inhabiting in the deep-sea sponge hosts. *Cancer* 22: 51-55 (In Japanese).
32. Kakizoe, Y., Sakaoka, K., Akune, Y., Kanou, Y., **Saito, T.** and Uchida, I. 2013. Change of plasma chemistry values in captive breeding loggerhead turtles (*Caretta caretta*). *ISRN Zoology*, Article ID 514576, 7 pages.
33. Saito, N., **Saito, T.**, and Okamoto, H. 2013. A record of cirolanid isopods, *Cirolana harfordi japonica* (Crustacea), found in a stranded green turtle, *Chelonia mydas*, on Omaezaki Beach, Japan. *UMIGAME NEWSLETTER OF JAPAN* 94: 8-12.
34. **Saito, T.**, and Anker, A. 2012. A new species of the genus *Microprosthem* Stimpson, 1860 (Stenopodidea: Spongicolidae) from the Society Islands, French Polynesia. Pp. 163-173. In *Crustaceana Monographs* 17, Studies on Eumalacostraca: a Homage to Masatsune Takeda (ed. Komatsu, H., Okuno, J., & Fukuoka, K.), Brill, Leiden.
35. Konishi, K. and **Saito, T.** 2012. Remarkable zoeas of two species of deep-sea spider crabs (Brachyura, Majoidea, Epialtidae, Pisinae). Pp. 285-301. In *Crustaceana Monographs* 17, Studies on Eumalacostraca: a Homage to Masatsune Takeda (ed. Komatsu, H., Okuno, J., & Fukuoka, K.), Brill, Leiden.
36. Fukuda, T., Kurita, J., **Saito, T.**, Yuasa, K., Kurita, M., Donai, K., Nitto, H., Soichi, M., Nishimori, K., Uchida, T., Isogai, E., Onuma, M., Sone, H., Ohseko, N., and Inoue-Murayama, M. 2012. Efficient establishment of primary fibroblast cultures from the hawksbill sea turtle (*Eretmochelys imbricata*). *In Vitro Cellular and Developmental Biology-Animal*, 48: 660-665.

37. Saito, T., and Okuno, J. 2011. Two new species of the genus *Microprosthemma* Stimpson, 1860 (Stenopodidea: Spongicolidae) from the Ryukyu Islands. Bulletin of the National Museum of Nature and Science, Series A (Zoology), Supplement 5: 83–99.
38. Saito, T., Balazs, G., Rice, M., Lee, T. A., and Soichi, M. 2011. Saving the Singapore Hawksbill. Asian Diver No. 113, Issue 2, The Big Blue Book: 88-89.
39. Saito, N., and Saito, T.. 2011. New record of *Aegiochus spongiophila* (Semper) (Isopoda: Aegidae), inhabiting the hexactinellid sponge *Euplectella oweni* Herklots & Marshall from off Makurazaki, southern Kyushu, Japan. Crustacean Research, 40: 33-40.
40. Kakizoe, Y., Fujiwara, M., Akune, Y., Kanou, Y., Saito, T., and Uchida, I. 2010. Cyclical changes of plasma sex steroids in captive breeding loggerhead turtles (*Caretta caretta*). Journal of Zoo and Wildlife Medicine 41(4): 643-648.
41. Saito, T., and Fujita, Y. 2009. A new species of the genus *Odontozona* (Decapoda: Stenopodidea: Stenopodidae) associated with a comatulid crinoid from the Ryukyu Islands. Bulletin of the National Museum of Nature and Science, Series A (Zoology), Supplement 3: 123-135.
42. Saito, T., Okuno, J., and Chan, T.-Y. 2009. A new species of *Stenopus* from the Indo-west Pacific, with a redefinition of the genus (Crustacea: Decapoda: Stenopodidae). Ruffles Bulletin of Zoology, Supplement 20: 107-118.
43. Hatase, H., Sudo, R., Watanabe, K., Kasugai, T., Saito, T., Okamoto, H., Uchida, I., and Tsukamoto, K. 2009. Shorter telomere length with age in the loggerhead turtle: a new hope for live sea turtle age estimation. Genes & Genetic Systems 83(5): 423-426.
44. Saito, T., and Komatsu, H. 2009. Two new species of *Richardina* A. Milne Edwards, 1881 (Crustacea: Decapoda: Stenopodidea: Stenopodidae), representing the first occurrences of the genus from the Pacific. Zootaxa 2154: 30–46.
45. Saito, T.. 2008. An overview of taxonomy of the family Spongicolidae (Crustacea: Decapoda: Stenopodidea). TAXA, Proceedings of the Japanese Society of Systematic Zoology 24: 33-46 (In Japanese with English abstract).
46. Saito, T., and Komai, T. 2008. A review of species of the genera *Spongicola* de Haan, 1844 and *Paraspongicola* de Saint Laurent & Cleva, 1981 (Crustacea, Decapoda, Stenopodidea, Spongicolidae). Zoosystema 30(1): 87-147.
47. Komai, T., and Saito, T.. 2006. A new genus and two new species of Spongicolidae (Crustacea: Decapoda: Stenopodidea) from the south-west Pacific. Tropical Deep-sea Benthos 24. Mémoires du Muséum national d'Hisotoire naturelle 193: 265-284.

48. **Saito, T.**, Tsuchida, S., and Yamamoto, T. 2006. *Spongicoloides iheyaensis*, a new species of deep-sea sponge-associated shrimp from the Iheya Ridge, Ryukyu Islands, southern Japan (Decapoda: Stenopodidea: Spongicolidae). *Journal of Crustacean Biology* 26(2): 224-233.
49. **Saito, T.**, and Takeda, M. 2003. Phylogeny of the family Spongicolidae (Crustacea: Stenopodidea): evolutionary trend from shallow-water freeliving to deep-water sponge-associated habitat. *Journal of the Marine Biological Association of the United Kingdom* 83: 119-131.
50. Sato, A., **Saito, T.**, and Amemiya, S. 2003. Crown regeneration in two living sea lilies *Metacrinus interruptus* and *Saracrinus nobilis*. *Proceedings of the 11th International Echinoderm Conference*.
51. Okuno, J., **Saito, T.**, Kawamoto, T., Hirayama, S., and Nomura, K. 2003. Record of a boxer shrimp, *Stenopus pyrsonotus* Goy and Devaney, 1980 (Crustacea: Decapoda: Stenopodidae) from East Asian Waters, with notes on intraspecific variations. *Journal of Natural History Museum and Institute, Chiba* 7(2): 79-84 (In Japanese with English abstract).
52. **Saito, T.**, Uchida, I., and Takeda, M. 2002. Skeletal growth of the deep-sea hexactinellid sponge *Euplectella oweni*, and host selection by the symbiotic shrimp *Spongicola japonica* (Crustacea: Decapoda: Spongicolidae). *Journal of Zoology* 258: 521-529.
53. **Saito, T.**, and Konishi, K. 2002. Description of the first stage zoea of the symmetrical hermit crab *Pylocheles mortensenii* (Boas, 1926) (Anomura, Paguridea, Pylochelidae). *Crustaceana* 75(3/4): 621-628.
54. **Saito, T.** 2002. Development of external sexual characters in the deep-sea sponge-associated shrimp *Spongicola japonica* Kubo (Crustacea: Decapoda: Spongicolidae). *Journal of Natural History* 36(7): 819-829.
55. **Saito, T.**, Uchida, I., and Takeda, M. 2001. Pair formation in *Spongicola japonica* (Crustacea: Stenopodidea: Spongicolidae), a shrimp associated with deep-sea hexactinellid sponges. *Journal of the Marine Biological Association of United Kingdom* 81: 789-797.
56. **Saito, T.**, and Koya, Y. 2001. Gonadal maturation and embryonic development in the deep-sea sponge-associated shrimp, *Spongicola japonica* Kubo (Crustacea: Decapoda: Stenopodidea). *Zoological Science* 18(4): 567-576.
57. Konishi, K., and **Saito, T.** 2000. Larvae of the deep-sea squat lobsters, *Agononida incerta* (Henderson, 1888) and *Munida striola* Macpherson and Baba, 1993 with notes on larval morphology of the family (Crustacea: Anomura: Galatheidae). *Zoological Science* 17(7): 1021-1029.

58. Kasugai, T., Matsuda, T., and **Saito, T.** 2000. Record of the carangid fish *Trachinotus blochii* (Lacepède) (Pisces: Carangidae) from the west coast of Chita Peninsula, Japan. *NANKISEIBUTSU* 42(1): 65-66 (In Japanese).
59. **Saito, T.**, and Konishi, K. 1999. Direct development in the sponge-associated deep-sea shrimp, *Spongicola japonica* (Decapoda: Spongicolidae). *Journal of Crustacean Biology* 19(1): 46-52.
60. Kasugai, T., and **Saito, T.** 1999. Two species of young snappers (Lutjanidae) collected from Zostera bed at southern coast of Chita Peninsula, Japan. *NANKISEIBUTSU* 41(1): 65-66 (In Japanese).
61. **Saito, T.**, Nakajima, K., and Konishi, K. 1998. First zoea of a rare deep-sea shrimp *Vexillipar repandum* Chace, 1988 (Crustacea, Decapoda, Caridea, Alpheidae), with special reference to larval characters of the family. *Publications of Seto Marine Biological Laboratory* 38(3/4): 147-153.

BOOK CHAPTER

1. Multimedia Encyclopedia Navi Invertebrates (supervised by Teruaki Nishikawa). 2007. AstroArts Co., Ltd. Co-editor.
2. OCEAN, Japanese version (original version: supervised by Fabien Cousteau and others, Dorling Kindersley Publishers Ltd). 2007. Neko Publishing Co., Ltd. Co-editor.
3. Blue Data Book of Aichi Prefecture, Introduced flora and fauna in Aichi Prefecture. 2012. Aichi Prefecture. Co-editor.
4. Red Data Book (animal edition) of Kochi Prefecture. 2018. Kochi Prefecture. Co-editor.
5. Featured Species Guide of Kochi Prefecture. 2018. Kochi Prefecture. Co-editor.
6. Blue Data Book of Aichi Prefecture, Introduced flora and fauna in Aichi Prefecture, revised version. 2021. Aichi Prefecture. Co-editor.