

Diversity and distribution of octocorals and scleractinians in the Persian Gulf region

Samimi-Namin, K.

Citation

Samimi-Namin, K. (2016, September 28). *Diversity and distribution of octocorals and scleractinians in the Persian Gulf region*. Retrieved from https://hdl.handle.net/1887/43361

Version: Not Applicable (or Unknown)

License: License agreement concerning inclusion of doctoral thesis in the

Institutional Repository of the University of Leiden

Downloaded from: https://hdl.handle.net/1887/43361

Note: To cite this publication please use the final published version (if applicable).

Cover Page



Universiteit Leiden



The handle http://hdl.handle.net/1887/43361 holds various files of this Leiden University dissertation

Author: Samimi-Namin, Kaveh

Title: Diversity and distribution of octocorals and scleractinians in the Persian Gulf

region

Issue Date: 2016-09-28

Acknowledgements

The writing of this thesis has benefited from many comments and contributions from friends and colleagues who have been specifically named and thanked in the acknowledgements given at the end of each chapter.

However, I would also like to thank institutions, colleagues and friends who have supported me both in respect of this study, as well as by providing me with valuable advice and guidance that has shaped my perspective and outlook over recent years.

I would like to express my appreciation and thanks to the staff of Naturalis Biodiversity Center who supplied assistance and encouragement, especially friends and colleagues of Marine Zoology department. I received much support from my thesis supervisor Prof. Edi Gittenberger, and my co-supervisors, Drs Leen P. van Ofwegen and Bert W. Hoeksema, who bared with me over the past years and who made it possible for me to visit Naturalis over the years.

Dr. Phil Alderslade provided invaluable advice, constructive comment and criticism on different parts of this study over many years, for which he has my sincere appreciation and thanks.

All staff members of Five Oceans Environmental Services LLC have provided valuable support over the years for which I am most grateful. Dr Simon Wilson generously edited the non-scientific parts of this thesis.

I would also like to express my special appreciation and thanks to Drs Bernhard Riegl, Charles Sheppard, Michel Claereboudt, Mike Risk, Werner Piller, Francesca Benzoni, Simon Wilson, and Hamid Rezai for their encouragement and for helping me to grow as a research scientist.

A special thanks to my family, particularly to my beloved wife, who were always there for me at times when I most needed emotional and personal support over the past years.

This study would have not been possible without the support and research grants provided from several national and international institutes which have already been acknowledged thoroughly at the end of each chapter.

Curriculum Vitae

Kaveh Samimi-Namin was born on 24th of February, 1982 in Tehran, Iran. He grew up and received his early education in Tehran. After receiving his high school diploma in science, he enrolled in a marine biology undergraduate course at Gorgan University of Agriculture, in one of the northern provinces of Iran where his passion for taxonomy and zoology developed further.

After completing of his undergraduate course and receiving his Bachelor's degree in Marine Biology in 2004, he started his Master of Science in Marine Biology at Khoram-Shahr University, in the south of Iran. In October 2007, he completed his M.Sc. on octocoral community structure of one of the Iranian Islands of the Persian Gulf in collaboration with Naturalis Biodiversity Center (NBC), Leiden, Netherlands. It was during this period that Kaveh started collaborating with NBC as a research associate that deepened his interest in coral communities in general and octocoral taxonomy in particular. He had a chance to exchange ideas and collaborate with many prominent scientists around the world who shared his passion for corals. In December 2008, he was formally accepted as a PhD candidate at the Institute for Biology at Leiden University (IBL) and NBC.

In order to support himself and his family during this time he decided to work part time while also pursuing his academic studies. He spent some time at Iranian National Institute for Oceanography as a part time researcher and then worked as a consultant marine ecologist in several national and international projects. After few years, he worked as a marine ecologist consultant in Oman where he continued to pursue his scientific curiosity and continued his journey exploring, investigating, and learning about coral biodiversity and its ecology.

Some of the key results obtained during this period are represented in this thesis, while others were published separately. None of these results would have been possible without the support, advice and guidance received from numerous colleagues, friends, and researches around the world for which I am most grateful.

Publications in this thesis

- Samimi-Namin K, Rezai H, Kabiri K, Zohari Z (2009) Unique coral community in the Persian Gulf. Coral Reefs 28: 27.
- Samimi-Namin K, van Ofwegen LP (2009) Some shallow water octocorals (Coelenterata: Anthozoa) of the Persian Gulf. Zootaxa 2058: 1-52.
- Samimi-Namin K, van Ofwegen LP (2009) The second observation of a live *Trimuricea* species (Octocorallia: Plexauridae). Coral Reefs 28: 517. doi:10.1007/s00338-009-0471-2.
- Samimi-Namin K, Risk MJ, Hoeksema BW, Zohari Z, Rezai H (2010) Coral mortality and serpulid infestations associated with red tide, in the Persian Gulf. Coral Reefs 29: 509.
- Samimi-Namin K, van Ofwegen LP (2010) An overview of *Bebryce* (Cnidaria, Octocorallia, Plexauridae) species with tiny rosettes, with the description of a new species from the Gulf of Oman. Zoosystema 32: 479-493.
- Sheppard C, Al-Husiani M, Al-Jamali F, Al-Yamani F, Baldwin R, Bishop J, Benzoni F, Dutrieux E, Dulvy NK, Durvasula SRV, Jones DA, Loughland R, Medio D, Nithyanandan M, Pilling GM, Polikarpov I, Price ARG, Purkis S, Riegl B, Saburova M, **Samimi-Namin K**, Taylor O, Wilson S, Zainal K (**2010**) The Gulf: A young sea in decline. Marine Pollution Bulletin 60: 13-38. doi:10.1016/j.marpolbul.2009.10.017.
- Samimi-Namin K, van Ofwegen LP, Wilson SC, Claereboudt MR (2011) The First in situ and Shallow-Water Observation of the Genus *Pseudothelogorgia* (Octocorallia: Keroeididae). Zoological Studies 50: 265.
- Riegl BM, Bruckner AW, Samimi-Namin K, Purkis SJ (2012) Diseases, Harmful Algae Blooms (HABs) and Their Effects on Gulf Coral Populations and Communities. In: Riegl BM, Purkis SJ (eds) Coral reefs of the Gulf: adaptation to climatic extremes. Springer The Netherlands, pp 107-125.
- Al-Cibahy AS, Al-Khalifa K, Böer B, **Samimi-Namin K (2012)** Conservation of Marine Ecosystems with a Special View to Coral Reefs in the Gulf. In: Riegl BM, purkis SJ (eds) Coral reefs of the Gulf: adaptation to climatic extremes. Springer, The Netherlands, pp 337-348.
- Riegl BM, Benzoni F, Samimi-Namin K, Sheppard C (2012) The Hermatypic Scleractinian (Hard) Coral Fauna of the Gulf. In: Riegl BM, Purkis SJ (eds) Coral reefs of the Gulf: adaptation to climatic extremes. Springer, The Netherlands, pp 187-224.
- Samimi-Namin K, Riegl B (2012) Raised reef on Larak suggests *Acropora* dominance on the Persian Gulf coral reefs since the Pleistocene. Coral Reefs 31: 763.
- Samimi-Namin K, van Ofwegen L (2012) The Octocoral Fauna of the Gulf. In: Riegl BM, Purkis SJ (eds) Coral reefs of the Gulf: adaptation to climatic extremes. Springer Netherlands, pp 225-252.
- Kabiri K, Pradhan B, Samimi-Namin K, Moradi M (2013) Detecting coral bleaching, using QuickBird multitemporal data: A feasibility study at Kish Island, the Persian Gulf. Estuarine, Coastal and Shelf Science 117: 273-281.
- Feary DA, Burt JA, Bauman AG, Al Hazeem S, Abdel-Moati MA, Al-Khalifa KA, Anderson DM, Amos C, Baker A, Bartholomew A, Bento R, Cavalcante GH, Chen CA, Coles SL, Dab K, Fowler AM, George D, Grandcourt E, Hill R, John DM, Jones DA, Keshavmurthy S, Mahmoud H, Moradi Och Tapeh M, Mostafavi PG, Naser H, Pichon M, Purkis S, Riegl B, Samimi-Namin K, Sheppard C, Vajed Samiei J, Voolstra CR, Wiedenmann J (2013) Critical research needs for identifying future changes in Gulf coral reef ecosystems. Marine Pollution Bulletin 72: 406-416.
- Samimi-Namin K, van Ofwegen LP (2016) A revision of Trimuricea Gordon, 1926 (Cnidaria: Octocorallia: Plexauridae) with the description of six new species. Zootaxa 4105: 1-44. doi:10.11646/zootaxa.4105.1.1.
- Samimi-Namin K, van Ofwegen L (2016) Overview of the genus Briareum (Cnidaria, Octocorallia, Briareidae) in the Indo-Pacific, with the description of a new species. Zookeys 557: 1-44. doi:10.3897/zookeys.557.6298.

Other publications

- Sheppard C, Al-Husiani M, Al-Jamali F, Al-Yamani F, Baldwin R, Bishop J, Benzoni F, Dutrieux E, Dulvy NK, Durvasula SRV, Jones DA, Loughland R, Medio D, Nithyanandan M, Pilling GM, Polikarpov I, Price ARG, Purkis SJ, Riegl BM, Saburova M, **Samimi-Namin K**, Taylor O, Wilson S, Zainal K (2012) Environmental Concerns for the Future of Gulf Coral Reefs. In: Riegl BM, Purkis SJ (eds) Coral reefs of the Gulf: adaptation to climatic extremes. Springer, The Netherlands, pp 349-373.
- Kabiri K, Pradhan B, Shafri HZM, Mansor SB, Samimi-Namin K (2013) A Novel Approach to Estimate Diffuse Attenuation Coefficients for QuickBird Satellite Images: A Case Study at Kish Island, the Persian Gulf. Journal of the Indian Society of Remote Sensing 41: 797-806.
- Carins SC, **Samimi-Namin K (2015)** A new species of *Stylaster* (Cnidaria: Hydrozoa: Stylasteridae) from the Arabian Sea, off Oman. Proceedings of the Biological Society of Washington (under review).
- Burt JA, Coles S, van Lavieren H, Taylor O, Looker E, Samimi-Namin K (2016) Oman's coral reefs: A unique ecosystem challenged by natural and man-related stresses and in need of conservation. Marine pollution bulletin 105: 498-506.