

CURRICULUM VITAE

GEORGE CURT FIEDLER

Contact Information:

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Date of Birth: 27 November, 1963

Nationality: USA

Research Interests: Invertebrate zoology, taxonomy, conservation, phylogenetics, ecology & behavioral ecology.

Education/Training:

Postdoctoral Research Fellow, Japan Society for the Promotion of Science, Tropical Biosphere Research Center, University of the Ryukyus, Okinawa, Japan, Spring 2001 – Spring 2003. [Dr. Kazuhiko Sakai]

PhD Zoology, Zoology Department, University of Hawai'i at Manoa. Dissertation title: Reproductive Biology and Sex Determination of Two Caridean Shrimp Genera: *Hymenocera* and *Lysmata*, December, 2000. [Drs. Ernst Reese, Christopher Brown, S. Randy Haley]

M.S. Zoology, University of Hawai'i at Manoa, Zoology Department. Thesis Title: Larval Stages of the Harlequin Shrimp, *Hymenocera picta*. May, 1994. [Drs. Ernst Reese, George Losey, Julie Bailey-Brock].

B.S. in Biology (Honors) with a minor in Psychology from the Case Institute of Technology, Case Western Reserve University, August, 1986.

Positions:

Full Professor in Biology, UOG Marine Lab Research Associate, College of Natural and Applied Sciences, University of Guam, Mangilao, Guam, Fall 2012 to present.

Editor, Micronesica, University of Guam, Mangilao, Guam, January 2014 to present.

Associate Professor in Natural Sciences, University of Maryland University College, Asia Division, Tokyo, Japan, Fall 2003 to Summer 2012.

Graduate Teaching Assistant, University of Hawai'i at Manoa. (Zoology, Biology, and Entomology Departments), 1988-1990 & 1992-2000.

Instructor, Kansai Gai Dai Hawai'i College. Chemistry Lecturer (6th term), Spring 1994.

Research Assistant, Hawai'i Institute of Marine Biology. Research consists of assessment of Kaneohe Bay fisheries stocks for a portion of the MHI/MRI program, 1990-1992.

Field Technician, Hawai'i Cooperative Fisheries Research Unit. Research includes biological surveys of stream and estuary habitats for environmental assessment, Spring/Summer 1990.

Grants, Awards, Honors:

- *DAWR/USFWS CFDA Program Grant: Terrestrial Snail Inventory* (F17AF01204), 2019-present.
- *DOD NAVFAC-UOG CESU Biomonitor Support: UOG Plant and Invertebrate Surveys* (N40192-19-2-8000), 2019-Present.
- *DOD NAVFAC-UOG CESU Biomonitor Support: Various {Projects* (N40192-17-R-8005), 2017-2019.

- *Sundance/UOG, Mariana Eight Spot Butterfly Salvage and Translocation at P715 of the Live Fire Training Range Complex, Andersen Air Force Base, (N62742-15-R-1804), Oct 2017-Aug 2019.*
- *DOD NAVFAC-UOG CESU Conservation Management of the Mariana Eight Spot Butterfly (N40192-16-2-8002), 2016-2017.*
- *McIntire-Stennis Forestry Research Grant (Native Tree Snails), 2018-2023 FY 19.*
- *McIntire-Stennis Forestry Research Grant (Native Tree Snails), 2014-2018 FY 15-18.*
- *Research Associate, University of Guam Marine Laboratory, 2012 to present.*
- *Visiting Researcher, Tokyo Metropolitan University, 2003 - 2012.*
- *Nominated in 2006 & 2007 for Outstanding Faculty Award at UMUC Asia*
- *JSPS Research Fund, JSPS Fellow Research Support Grant (2001, 2002)*

Teaching Experience:

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| -General Chemistry (+ Lab) | -General Entomology (+ Lab) |
| -Ecology & Population Biology | -General Zoology (+ Lab) |
| -Environmental Science | -Scientific English |
| -Scientific Photography | -Introductory Oceanography |
| -Animal Behavior (+ Lab) | -Scientific Photography |

Relevant Publications & Reports:

- Kerr, A.M., G.C. Fiedler. (2019). Land Snails of Alupat Island, a fringing islet of Guam, Mariana Islands. *Micronesica*, 2019-2: 1-6.
- Demeulenaere, E., M. Putnam & G.C. Fiedler. (2018). Conservation Management of the Mariana Eight Spot Butterfly. Final report. 72 pp.
- Demeulenaere, E. & G.C. Fiedler. (2018). Threatened and Endangered Plant Surveys of Northwest Field. Final report. 78 pp.
- Kerr, A.M. and G.C. Fiedler. (2017). Land Snails of Dãno (Cocos Island), Mariana Islands. *Pacific Science*, 72(2): 1-16.
- Kerr, A.M. and Fiedler, G.C. (2016). Sinistral coiling in the arboreal snail *Partula gibba* Férussac, 1821 (Stylommatophora: Partulidae) from Guam, Mariana Islands. *American Malacological Bulletin*, 34(1): 1-5.
- Onaga, H., Fiedler, G.C., & Baeza, A. (2012). Protandric simultaneous hermaphroditism in *Parhippolyte misticia* (Clark, 1989) (Caridea: Hippolytidae): Implications for the evolution of mixed sexual systems in shrimp. *Journal of Crustacean Biology*, 32(3): 383-394.
- Fiedler, G.C., Rhyne, A., Segawa R., Aotsuka, T. & Schizas, N. (2010). The evolution of euhermaphroditism in caridean shrimps: a molecular perspective of sexual systems and systematics, *BMC Evolutionary Biology*, 10: 297.
- Okuno, J. and Fiedler, G.C. (2010). *Lysmata lipkei*, a new species of peppermint shrimp (Decapoda, Hippolytidae) from the warm temperate and subtropical waters of Japan In: C. H. J. M. Franssen, S. De Grave and P. K. L. Ng (eds.), *Studies on Malacostraca: Lipke Bijdeley Holthuis Memorial Volume, Crustaceana Monograph*, 14: 597-610.
- Hermansen, T.D., Arvedlund, M. & Fiedler, G.C. (2005). Calcium antagonists inhibit the discharge of cnidae in response to electrical stimulation in the giant tropical sea anemone *Heteractis crispa* Ehrenberger (Anthozoa), *Marine and Freshwater Behaviour and Physiology*, 38: 269-274.
- Fiedler, G.C. (2002). The Influence of social environment on Sex Determination in Harlequin Shrimp (*Hymenocera picta*: Decapoda, Gnathophyllidae), *Journal of Crustacean Biology*, 22: 750-761.
- Karplus, I., Fiedler, G.C., & Ramcharan, P. (1998). The intraspecific fighting behaviour of the Hawai`ian boxer crab, *Lybia edmondsoni* - Fighting with Dangerous Weapons?, *Symbiosis*, 24: 287-302.
- Fiedler, G.C. (1998). Functional, simultaneous hermaphroditism in female-phase *Lysmata amboinensis*, *Pacific Science*, 52: 161-1