

# REPORT DOCUMENTATION PAGE

Form Approved  
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Washington Headquarters Service, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188) Washington, DC 20503.

PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ADDRESS.

1. REPORT DATE (DD-MM-YYYY)		2. REPORT DATE 31-05-2002		3. DATES COVERED (From - To) Final Report 01/03/2001 - 30/09/2002	
4. TITLE AND SUBTITLE Conference support				5a. CONTRACT NUMBER N00014-01-WX-20862	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S) Yoko Furukawa, Ph.D.				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Naval Research Laboratory, Code 7431, Stennis Space Center, MS 39529				8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) Office of Naval Research, 800 N. Quinby St., Arlington, VA 22217-5000				10. SPONSOR/MONITOR'S ACRONYM(S)	
				11. SPONSORING/MONITORING AGENCY REPORT NUMBER	
12. DISTRIBUTION AVAILABILITY STATEMENT Distribution unlimited					
13. SUPPLEMENTARY NOTES					
20020610 067					
14. ABSTRACT ONR funds were used to support a symposium titled "Biogeochemical Consequences of the Dynamic Interactions between Benthic Infauna, Microbes, and Aquatic Sediments" held during American Chemical Society National Meeting, San Diego, California, April 1 - 5, 2001.					
15. SUBJECT TERMS Animal-sediment interactions, macrofauna, bacteria, sediments					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT UL	18. NUMBER OF PAGES 1	19a. NAME OF RESPONSIBLE PERSON Dr. Yoko Furukawa
a. REPORT Unclassified	b. ABSTRACT Unclassified	c. THIS PAGE Unclassified			19b. TELEPHONE NUMBER (Include area code) 228-688-5474

## FINAL REPORT

Grant #: N00014-01-WX-20862

Technical Point of Contact: Dr. Yoko Furukawa

Institution: Naval Research Laboratory

Grant Title: Conference Support for a symposium titled "Biogeochemical Consequences of the Dynamic Interactions between Benthic Infauna, Microbes, and Aquatic Sediments"

Award Period: 1 March 2001 – 30 September 2001

A symposium titled "Biogeochemical Consequences of the Dynamic Interactions between Benthic Infauna, Microbes, and Aquatic Sediments" took place during American Chemical Society National Meeting, San Diego, California, April 1 – 5, 2002. ONR supported the travel of twelve student- and post-doc level scientists.

Total of 18 papers were presented during the three half-day oral sessions, by biogeochemists, marine biologists, and microbiologists from seven different countries. The topics were diverse: they dealt with variety of aquatic sedimentary environments, macrofaunal species, organic compounds, nutrient species, and microbial ecology. However, there was one thing all papers had in common: the papers all focused on the *inter*-actions among macrofauna, microorganisms, and sedimentary chemicals. As a result, this symposium is a significant contribution to the discipline of sedimentary biogeochemistry, because the quantitative descriptions of dynamic interactions between such elements are the next challenge in the comprehensive description of sedimentary chemical mass transfer.

Six selected papers from this symposium have been published in *Geochemical Transactions*, which is a peer-reviewed journal sponsored by American Chemical Society Division of Geochemistry. The URL for the special issue is:  
<http://www.rsc.org/is/journals/current/geochem/interactions.htm>