



# JOURNAL OF COASTAL RESEARCH

An International Forum for the Littoral Sciences

## Supporting Scientific Organizations

- International Union for Quaternary Research (INQUA): Commission on Quaternary Shorelines, The Holocene Commission, and The Neotectonics Commission.
- International Geological Correlation Program (IGCP) (supported by the International Union of Geological Sciences and UNESCO): Project No. 274 — Quaternary Coastal Evolution: Case Studies, Models and Regional Patterns.
- The International Geographical Union (IGU): Commission on the Coastal Environment.
- International Institute for Aerial Survey and Earth Sciences (ITC) [Enschede, The Netherlands].
- International Association for Biological Oceanography (IABO).
- International Association of Meiobenthologists (IAM).
- International Post-Graduate Training Courses on Fundamental and Applied Quaternary Geology (IFAQ) [Brussels, Belgium].

## Aims and Scope of the Journal

Journal of Coastal Research, an International Forum for the Littoral Sciences, is dedicated to all aspects of coastal research. These include geology, biology, geomorphology (physical geography), climate, littoral oceanography, hydrography, coastal hydraulics, environmental (resource) management, engineering, and remote sensing. Although each field functions effectively within its own purview, the cross-disciplinary nature of coastal studies requires familiarity with other fields as well. Hence, the scope of topics is necessarily broad in order to address the complexity of coastal biophysical and socio-economic interactions. Because of the wide range of interrelated topics, the journal invites original contributions and manuscripts dealing with theory, methodology, techniques, and field or applied topic studies on interdisciplinary coastal issues.

The journal encourages the dissemination of knowledge and understanding of the coastal zone by promoting cooperation and communication between specialists in different disciplines. Natural scientists, for example, are encouraged to collaborate with professionals in other fields to prepare contributions relating to the coastal zone that foster increased appreciation of coastal environments and processes. By means of this journal, with its scholarly and professional papers, systematic review articles, book and symposia reviews, communications and news, and special topical issues, an international forum for the development of integrated coastal research is provided.

## Subscription Information

**Editorial, Advertising and Publishing Office:** Dr. Charles W. Finkl, Jr., Editor-in-Chief, 4310 NE 25th Avenue, Fort Lauderdale, Florida 33308 USA. Telephone and FAX: (305) 565-1051. All certified or registered mail should be sent to Dr. Charles W. Finkl, Jr., Editor-in-Chief, Journal of Coastal Research, Department of Geology, Florida Atlantic University, Boca Raton, FL 33431 USA.

**Advertising and Promotion Office:** Ralph DeSoignie, 1041 New Hampshire Street, Lawrence, KS 66044. Telephone: (913) 843-1235. FAX: (913) 843-1274.

**Subscriptions Office:** Karen Hickey, P.O. Box 1897, Lawrence, KS 66044 USA. Telephone: (913) 843-1235. FAX: (913) 843-1274.

**Published Quarterly** in January, March, June, and September. *Annual Subscription Rate* (1993): \$US 48.00 (Student), \$US 58.00 (Personal), \$US 125.00 (Institution). Subscribers outside of the USA please add \$US 10.00 for surface postage or \$US 45.00 for airmail postage and handling. Back issues (from Volume 3 onwards) are available at current subscription rates.

**THE JOURNAL OF COASTAL RESEARCH** is surveyed in *Aquatic Sciences and Fisheries Abstracts*; *Civil Engineering Hydraulics Abstracts*; *Current Awareness in Biological Sciences*; *Current Contents/Agriculture*; *Biology & Environmental Sciences*; *Ecology Abstracts*; *FLUIDEX* (British Hydromechanics Research Association); *Focus on: Global Change*; *GeoAbstracts* (Geographical Abstracts: Physical Geography); *Ecological Abstracts*; *Geological Abstracts*; *GEOBASE*; *GeoScience Contents*; *Institute of Scientific Information (USSR)*; *Marine Science Contents Tables*; *Meteorological and Geostrophysical Abstracts*; *Oceanic Abstracts*; *Oceanographic Literature Review*; *Physics Abstracts*; *Pollution Abstracts*; *Selected Water Resources Abstracts* (U.S. Geological Survey); *Wetland Values Database* (U.S. Fish & Wildlife Service); and *SciSearch*.

# JOURNAL OF COASTAL RESEARCH

## SUBSCRIPTION INFORMATION

The JOURNAL OF COASTAL RESEARCH (JCR), official publication of the Coastal Education & Research Foundation (a non-profit corporation), acts as a basic world publication for coastal research. The journal publishes original contributions that deal with theory, methodology, techniques, and field or applied studies on interdisciplinary topics. All aspects of coastal research are considered in the fields of biology, geology, oceanography, environmental (resource) management, engineering, and planning, among others. JCR is surveyed in: *Aquatic Sciences and Fisheries Abstracts; Current Contents in Biological Sciences; Civil Engineering Hydraulics Abstracts; Current Contents/ Agriculture, Biology and Environmental Sciences; Ecology Abstracts; FLUIDEX (British Hydromechanics Research Association); Geobase Abstracts; USSR Institute of Scientific Information; FAO Marine Science Contents Tables; Oceanographic Abstracts; Oceanographic Literature Review; Physics Abstracts, and Pollution Abstracts.*

JCR is published quarterly in English with abstracts in French, German, and Spanish.

ISSN No. 0749-0208.

### FOUNDATION MEMBERSHIP BENEFITS

- Our scientific journal
- Participation and sharing with a distinguished international group of scholars and scientists
- Foundation newsletter
- Notices of meetings
- State-of-the-art reviews
- Reports of meetings
- Technical communications
- Book reviews
- News from affiliated societies
- Coastal calendar of events

Please enroll me as a member in the Coastal Education & Research Foundation [CERF]. My payment is enclosed for the category marked below.

1993 Volume 9, Numbers 1-4 inclusive

- Regular membership and subscription (1 year) \$48.00/\$58.00 foreign\*
- Student\* membership and subscription (1 year) \$43.00/\$53.00 foreign\*

\*Surface postage is included in the membership and subscription rates.

PLEASE MAKE CHECK PAYABLE TO: CERF

**FOR LIBRARIES, SCHOOLS & ORGANIZATIONS**  
 (Subscriptions when not for personal use)  
 SUBSCRIPTION (U.S.A.—LIBRARY) \$125.00  
 SUBSCRIPTION (OTHER COUNTRIES) \$135.00  
 (ADVANCE PAYMENT IN US DOLLARS REQUIRED)

Checks should be in U.S. funds on U.S. or Canadian bank

NAME OF APPLICANT \_\_\_\_\_

ADDRESS FOR MAIL \_\_\_\_\_

City \_\_\_\_\_ State or Province \_\_\_\_\_ Zip Code \_\_\_\_\_ Country \_\_\_\_\_

Position or Title \_\_\_\_\_ Phone \_\_\_\_\_

\*Student Status Certified by \_\_\_\_\_ Dept. Head \_\_\_\_\_

MAIL TO: 

JOURNAL OF COASTAL RESEARCH  
 P.O. BOX 1897  
 LAWRENCE, KS 66044, USA