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PRESIDENT'S COLUMN

June 20, 2016

Dear DEG member,

All levels of practical or commercial science build on critical foundations of research that are both sufficiently detailed to investigate all ranges of uncertainty and scalable to allow the results to be used on other datasets without the detailed level of original sampling. Both of the papers in this issue of *Environmental Geosciences* are those types of foundational papers that are key to building practical uses in their respective fields. Ahmmed et.al. in “Chemical effects of carbon dioxide sequestration in the Upper Morrow Sandstone in the Farnsworth, Texas, hydrocarbon unit” sample and model in great detail the chemical sequestration of CO₂ on the basis of mineralogy and chemistry. Understanding the relationship between topographic substratum relief and benthic biodiversity is important for sampling offshore hardgrounds but not well understood. Sammarco et.al. in “A statistical approach to assessing relief on mesophotic banks: Bank comparisons and geographic patterns” document an extremely detailed study from the Gulf of Mexico that is readily upscaled to other projects. I hope you will find subjects, methodology and/or data in these excellent papers to enlighten your research.



Jeffrey B. Aldrich

President

Division of Environmental Geosciences

Introduction

The June 2016 Issue of *Environmental Geosciences* features two studies of very different subjects in both the on-shore and off-shore regions of the southern United States. Bulbul Ahmmed of the University of Missouri and his colleagues investigate the effects of carbon dioxide sequestration in the Upper Morrow Sandstone of Farnsworth, Texas, specifically studying the effects of pore-water composition and mineralogy from injection to between evaluate the potential of the unit for long-term storage. Paula Sammarco of the Louisiana Universities Marine Consortium and his colleagues evaluate substrate relief of the hard-bottom offshore banks in the Gulf of Mexico to draw conclusions between relief and the benthic biodiversity of the sea-floor and drilling sites.

A handwritten signature in black ink, reading "Michele L. Cooney". The signature is written in a cursive style with a long, sweeping tail on the final letter.

Michele L. Cooney
Editor

INSTRUCTIONS TO ENVIRONMENTAL GEOSCIENCES AUTHORS

ARTICLES

Articles are papers of major extent and contain detailed geo-environmental data that support original interpretations or methods. Article length is not exceed 50 double-spaced (includes text, references section, and figures/tables) PDF pages.

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Discussions and Replies pertain to articles published in Environmental Geosciences, are brief, to the point, and are not to exceed four (4) manuscript pages, including figures and tables. Longer text is subject to approval by the DEG Editor-in-Chief.

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- Limit the use of acronyms.
- Cite figures in numerical order.
- Cite all references and include complete information for each citation in "References Cited" section.
- Limit the length of the abstract to no more than 250 words.
- Follow the North American Stratigraphic Code (available from the AAPG Bookstore).

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Organize manuscripts as follows.

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- Scale bars must be included on photomicrographs. If a slide is submitted, indicate the scale on a print of the slide and we will impose the scale on the image electronically.

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