

- Task; Create research articles with proper scientific approach with facts and figure. (Must fulfill the topic of discussion provided below).

The paper should include an introduction, a background of the problem, a review of relevant literature, information about any methodologies or techniques used to investigate the problem, and any findings or conclusions from the research, with scholarly references to back up any claims. On average, this paper should be roughly 17-20 pages in length.

Topic of the Article

- ❖ Environmental and Climate Sciences – Environmental Studies “The mission of the Bureau of Ocean Energy Management (BOEM) is to manage the exploration and development of the nation's offshore resources in a way that appropriately balances economic development, energy independence and environmental protection through oil and gas leases, and renewable energy development. The decision-making behind the management of the nation's offshore resources is supported through environmental reviews and associated studies. The Alaska Outer Continental Shelf Region of BOEM is offering a cooperative agreement opportunity to perform an investigation of the Arctic ecosystem by providing additional characterizations of the Chukchi and western Beaufort Regions, ecological linkages between the two seas, and identify factors forcing ecosystem response. The goal of this study is to document and correlate fish and invertebrate species presence, abundance, distribution, and habitat in the Chukchi and Western Beaufort Sea OCS lease areas during the open-water season (and shoulder seasons when suitable).”

Aquatic: Based on the request for proposal described above, develop a general proposal to model and assess the risk of offshore oil exploration activities, for example, along the US Atlantic coast. Design modeling research to study mitigation options for potential impacts. For example, through designation of new Marine Protected Areas (MPAs). Demonstrate an understanding of the spatial/temporal optimization methods, ecological models to assess impacts, and knowledge from energy and physical sciences that might be needed to carry out this research.

— or —

Terrestrial: The sage grouse, a wide-ranging species, has been proposed for listing under the Endangered Species Act. This species faces threats, including encroachment of woody shrubs, including junipers and other invasive species, and disturbance by oil and gas exploration and development. Develop a proposal to assess the impacts of oil and gas industry and the potential benefits of harvesting or burning treatment of woody biomass in the western US on Bureau of Land Management lands.

❖ Reference you can start with.

- Brittingham, M. C., K. O. Maloney, A. M. Farag, D. D. Harper, and Z. H. Bowen. 2014. "Ecological Risks of Shale Oil and Gas Development to Wildlife, Aquatic Resources and their Habitats." *Environmental Science & Technology* 48 (19):11034-11047. doi: 10.1021/es5020482.
- Doherty, K. E., D. E. Naugle, B. L. Walker, and J. M. Graham. 2008. "Greater sage-grouse winter habitat selection and energy development." *Journal of Wildlife Management* 72 (1):187-195. doi: 10.2193/2006-454.
- Walker, B. L., D. E. Naugle, and K. E. Doherty. 2007. "Greater sage-grouse population response to energy development and habitat loss." *Journal of Wildlife Management* 71 (8):2644-2654. doi: 10.2193/2006-529.
- Yates, K. L., D. S. Schoeman, and C. J. Klein. 2015. "Ocean zoning for conservation, fisheries and marine renewable energy: Assessing trade-offs and co-location opportunities." *Journal of Environmental Management* 152:201- 209. doi: 10.1016/j.jenvman.2015.01.045.

❖ **Deadline.**

- ❖ A pre-proposal (2-3 pages) June 1, 2024.
- ❖ final paper/proposal should be submitted no later than July 15, 2024.
- ❖ Perfect PowerPoint to present this research paper. Aug 2, 2024.

❖ **serious offense subject to disciplinary action that may include dismissal from the project.**

Some examples of plagiarism are:

- Using without proper documentation (quotation marks and a citation) written or spoken words, phrases, or sentences from any source. • Summarizing without proper documentation (usually a citation) ideas from another source (unless such information is recognized as common knowledge).
- Borrowing facts, statistics, graphs, pictorial representations, or phrases without acknowledging the source (unless such information is recognized as common knowledge).
- Submitting work, either in whole or in part, created by a professional service and used without attribution (e.g., paper, speech, bibliography, or photograph).

❖ **MUST READ T&C**

Hello there! I have a special task that requires a strong background in both science and writing. I will explain what's needed: I need a research article that's about 17-20 pages long. It should include proper references and figures. I want the writing to be very clear and follow proper scientific methods. Along with the article, I also need a PowerPoint presentation related to the research. Before you give me a price for this task, please carefully look over all the details. During this project, there might be a lot of revisions. Some parts of the documents might need to be changed, and a group of higher-up delegates will review everything. You will need to follow their suggestions and improvements. It is important to meet the deadlines I have given. If everything goes well, we can discuss further details after you have given me a detailed quote. Please note that payment will be made in parts, not all upfront. To help us decide if you are the right person for this task, please send us your most recent scientific writing work in a Word document. We will review it and let you know if we think you, are a good fit.

Thank you!