



## Solving Complex Ocean Challenges Through Interdisciplinary Research: Advances from Early Career Marine Scientists

### About this Research Topic

Anthropogenic impacts on the world's oceans are accelerating at an unprecedented rate, threatening the sustainability of the goods and services the oceans provide, with downstream impacts on societal well-being and livelihoods. Embedded within complex social-ecological systems, oceans show uncertain, unpredictable, and interconnected challenges that cannot be solved through traditional single disciplinary approaches. To this end, there has been growing recognition for the need of interdisciplinary marine science to push towards sustainable, productive, and healthy oceans at a time of global change. Early Career Researchers (ECRs) are at the forefront of this new research agenda. This special issue is designed to showcase the diversity of research undertaken by early career marine scientists.

This Research Topic invites Original Research articles and Perspective pieces focused on interdisciplinary marine science by early career researchers. We encourage submissions that relate to:

- Understanding and quantifying the state and variability of marine ecosystems;
- Improving scenarios, predictions and projections of future ocean-human systems at multiple scales;
- Improving and achieving sustainable ocean governance; and
- Perspectives on the role of early career researchers in solving ocean challenges

Criteria: The first author must be an early career researcher – considered to be a student or within 8 years of completing a PhD or Masters degree. This cut-off is flexible in that it allows for career breaks (e.g. family leave; health reasons; dramatic shifts in research area) and submissions should provide a brief explanation if they request an exception.

The Topic Editors Stephanie Brodie, Christopher Cvitanovic, Maria Grazia Pennino, Jon Lopez and André Fraïner declare that they are members of the IMBeR (Integrated Marine Biosphere Research) network and IMECaN (Interdisciplinary Marine Early Career Network) and are collaborating with the IMBeR research community.

Keywords: early career research, interdisciplinary, marine science, sustainability, social-ecological, ocean governance

Important Note: All contributions to this Research Topic must be within the scope of the section and journal to which they are submitted, as defined in their mission statements. Frontiers reserves the right to guide an out-of-scope manuscript to a more suitable section or journal at any stage of peer review.