



## NZOAC Newsletter – August 2021

Mark your calendars: GOA-ON's 2021 [OA week](#) will be held 13 - 17 September! This virtual event will include webinars, Q&A sessions, and community discussions. If you would like to be involved or have ideas for presentations or discussion sessions, contact GOA-ON at [secretariat@goa-on.org](mailto:secretariat@goa-on.org). [IMBeR](#) has also announced the dates of the 2021 West Pacific Symposium: 22-25 November (abstract deadline 15 September). From the Southern Ocean to the Subarctic, this [free, virtual event](#) centres around the marine biosphere and its biogeochemistry in the West Pacific Ocean.

Congratulations to NZOAC member (and past chair) Professor Abby Smith, who received the [Miriam Dell Award for Excellence in Science Mentoring](#) at the recent [Association for Women in the Sciences Conference](#). The Miriam Dell Award recognises “outstanding mentoring efforts to retain females in science, mathematics or technology”. Abby has mentored over 50 early career researchers, including many NZOAC members.

### Ocean acidification in New Zealand

- NZOAC members in Dunedin are invited to join Otago's Future Ocean Research Theme, who welcome Emily Frost (AUT) for a seminar on *Assessing embryo fate development as a means of selective climate adaptation in marine invertebrates* (4 August, 4 pm, Marine Science seminar room).
- The Otago Daily Times highlighted the [ocean acidification activities](#) on offer at the recent New Zealand International Science Festival.

### Acidification, fisheries, and aquaculture

- Through case studies of eleven countries (including New Zealand), researchers at Dalhousie University assess the implementation of [climate change adaptation into fisheries management policy](#) and legislation.
- A recent [modelling study](#) by researchers at the University of British Columbia focused on the fisheries catch potential of 210 major shellfish fisheries species. Their results suggest that ocean acidification is amplifying the negative effects of other ocean stressors (e.g., warming and deoxygenation).

### Resources

- [The Ocean Foundation](#) and [Chris Sabine](#) have prepared a series of Youtube [videos](#) to demonstrate how to sample and measure ocean acidification using the *GOA-ON in a Box* kit.
- The COP26 Universities Network have prepared a briefing explaining [Why the Ocean Matters in Climate Negotiations](#).

### Upcoming webinars

- [Response of the Sydney rock oyster microbiome to rapidly warming and acidifying Australian estuaries](#), Elliot Scanes (University of Technology Sydney), **10 August 2021**.
- [Behavior Change for Climate Action for the Oceans and Beyond](#); Caroly Shumway, (Center for Behavior and Climate), **26 August 2021**.
- [Ocean acidification effects on Eastern oysters, surf clams, and Atlantic sea scallops: Commonalities and differences?](#), Shannon Meseck (NOAA NMFS Northeast Fisheries Science Center), **30 September 2021**.
- [Turning the tide of parachute science](#), Paris Stefanoudis (University of Oxford) and Sheena Talma (Nekton Foundation), **20 October 2021**.

### Recent webinars (now available for streaming)

- [Regional changes in Southern Ocean biogeochemistry due to projected carbon uptake](#), Eric Mortenson, CSIRO, Hobart.
- All talks from the USA's [Ocean Carbon and Biogeochemistry](#) (OCB) program's 2021 Summer Workshop are available on their [Youtube channel](#).

### Articles from our members

- [Cross-generational response of a tropical sea urchin to global change and a selection event in a 43-month mesocosm study](#), Uthicke, S., Patel, F., Petrik, C., Watson, S.-A., Karelitz, S.E., Lamare, M.D., *Global Change Biology*.
- [Southern Ocean cloud and aerosol data: A compilation of measurements from the 2018 Southern Ocean Ross Sea Marine Ecosystems and Environment voyage](#), Kremser, S., Harvey, M., Kuma, P., Hartery, S., Saint-Macary, A., McGregor, J., Schuddeboom, A., Von Hobe, M., Lennartz, S.T., Geddes, A., Querel, R., McDonald, A., Peltola, M., Sellegri, K., Silber, I., Law, C.S., Flynn, C.J., Marriner, A., Hill, T.C.J., Demott, P.J., Hume, C.C., Plank, G., Graham, G., Parsons, S., *Earth System Science Data*.
- [Testing the climate intervention potential of ocean afforestation using the Great Atlantic Sargassum Belt](#), Bach, L.T., Tamsitt, V., Gower, J., Hurd, C.L., Raven, J.A., Boyd, P.W., *Nature Communications*.
- [Predator–prey behavioural interactions between the asterinid seastars \*Meridiastra calcar\* and \*Parvulastra exigua\* sympatric on the rocky shores of southeast Australia](#), McLaren, E.J., Byrne, M., *Marine Biology*.

### ECOPs (early career ocean professionals) and outreach happenings

- **ECOP spotlight:** Tēnā koutou, ko **Jenn Jury** toku ingōa. I have been involved in the NZOAC since beginning my part-time PhD in 2017, investigating the effects of OA on the bioenergetics of the early life-stages of *Perna canaliculus*. I was student representative on the NZOAC council in 2019 and 2020. My primary outreach has been at schools with our tamariki who will inherit these issues so if we can engage them, their bright and creative minds will be one step ahead in understanding and managing climate change impacts.
- **Article:** [Supporting early career researchers: insights from interdisciplinary marine scientists](#). Early career researchers (ECRs) are expected to have skills in several domains. This study examines opportunities for ECOPs to build interdisciplinary research capacity.

### Conferences, events, and workshops

- [8th International Conference on Fisheries and Aquaculture 2021 \(ICFA 2021\)](#), (virtual), **19-20 August 2021**.
- [In New Zealand - Physiomar 2021 Conference](#). Nelson, New Zealand, **7-10 September 2021**.
- [OCEANS 2021](#) (virtual and in-person), San Diego-Porto, USA, **20-23 September 2021**.
- **ECOP - International Conference for YOUNG Marine Researchers (ICYMARE)** (virtual), **21-24 September 2021**.
- [Evolving and Sustaining Ocean Best Practices Workshop V](#), (virtual or hybrid, TBC), **20 September - 1 October 2021**.
- [IMBIZO 6: Marine Biosphere Research: Buoyant Solutions for Ocean Sustainability](#), (virtual), **18-22 October, 2021**.
- [World Climate Research Program \(WCRP\) Workshop on Extremes in Climate Prediction Ensembles \(ExCPEnS\)](#), (virtual), **25-28 October, 2021**.
- [IMBeR West Pacific Symposium](#) (free, virtual event), **22-25 November 2021**.
- [The 5th International Symposium on the Ocean in a High CO2 World](#) has been postponed until **13-16 September 2022**.
- **NZOAC - 15th NZOAC Conference**, Nelson, New Zealand, **2-3 November 2022 (TBC)**.
- [In New Zealand Australasian Coasts & Ports Conference 2021](#). Christchurch, New Zealand, **30 November- 3 December 2021**. Registration is open.

### International opportunities

- [Contribute a Satellite Activity](#) to one of the next Ocean Decade Laboratories taking place in 2021 and 2022. Submit any ideas for a "Clean Ocean" until **2 August 2021**, respectively. Laboratories for the other Decade Challenges are being advertised in the coming months.
- [Request for Proposals: Ocean-Based Carbon Dioxide Removal Analogues](#). Submission deadline for pre-proposals **11 August 2021**.

## Jobs

- [Aquaculture Health Technician](#) with Clean Seas Seafood Limited in South Australia.
- [Fisheries Management Advisor](#) with the Pacific Islands Forum Fisheries Agency (FFA) in Honiara, Solomon Islands.
- [Fisheries Observer Supervisor](#) with the Ministry for Primary Industries (MPI) in Wellington, **New Zealand**.
- [Fisheries Scientist](#) with the National Institute for Water and Atmospheric Research (NIWA) in Auckland, **New Zealand**.
- [Hydrological Scientist](#) with the National Institute for Water and Atmospheric Research (NIWA) in Christchurch, **New Zealand**.
- [Marine Education Lead](#) with the Minderoo Foundation in Melbourne, Australia. [Postdoc - Marine Ecology](#) at Miami University in Miami, FL, USA.
- [Postdoc - Integrated Multi-trophic Aquaculture with Hubbs-SeaWorld Research Institute](#) in San Diego, CA, USA.
- [Postdoc - San Francisco Bay River Plume](#) with Rutgers University, Dept. of Marine & Coastal Science in New Brunswick, NJ, USA.
- [Postdoc - Marine Symbiosis](#) with the University of New Hampshire in Durham NH, USA.
- [Postdoc - Microbial Ecology](#) with the University of Southern California, Marine and Environmental Biology Section within the Dept. of Biological Sciences in Los Angeles, CA, USA.
- [Postdoc - Microbial Ecology](#) with Clark University in Worcester, MA, USA.
- [Postdoc - Fisheries Conservation](#) with the University of Washington in Seattle, WA, USA.
- [Postdoc - Fisheries Simulation Modelling](#) with Saltwater, Inc. in Anchorage, AK, USA.
- [Postdoc - Environmental Regulation Cephalopod RNA editing](#) with the University of Chicago Marine Biological Laboratory (MBL) in Woods Hole, MA, USA.
- [Postdoc - Modeling Interactions among Wind Energy and Shellfish Fisheries](#) with Rutgers University at the Haskin Shellfish Research Laboratory in Port Norris, NJ, USA.
- [Professor and Head of School of Natural Sciences](#) at Massey University in Palmerston North, New Zealand.
- [Project Scientist - Coral Reef Ecology](#) with CSIRO in Brisbane, Australia.
- [Research Associate - Seafood Production](#) with Plant & Food Research in Nelson, **New Zealand**.
- [Research Fellow/Associate Lecturer in Marine/Geospatial Science](#) with Queensland University of Technology (QUT) in Brisbane, Australia.
- [Research Lead - Fisheries Sustainability](#) with the Minderoo Foundation in Perth, Australia.
- [Senior Broodstock Technician](#) with Ornatas in Northern Queensland Australia.
- [Senior Lecturer - Aquaculture \(Macroalgae\)](#) with James Cook University in Northern Queensland Australia.
- [Senior Lecturer - Benthic Biogeochemistry](#) with the Scottish Association for Marine Science (SAMS) in Oban, Scotland.
- [Senior Lecturer - Environmental Management](#) at Murdoch University in Perth, Australia.
- [Senior Scientist - Freshwater Ecologist](#) with the Otago Regional Council in Dunedin, **New Zealand**.
- [Summer Internship - Technology Innovation](#) with Babcock International Group in Auckland, **New Zealand**.
- [Summer Scholarship - Seagrass Restoration](#) with Cawthron in Nelson, New Zealand.

If you have news, opportunities, resources, or a published article you'd like included in the next newsletter, let us know by replying to this e-mail.

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Cheers,

Christina McGraw, Habibeh Hashemi, Jesse Vance, Rebecca Zitoun, and the NZOAC Council