

Related Publications using NOAA Coral Reef Watch Data, Products, and Research

2023

- Lachs, L., Donner, S.D., Mumby, P.J. *et al.* [Emergent increase in coral thermal tolerance reduces mass bleaching under climate change](https://doi.org/10.1038/s41467-023-40601-6). *Nat Commun* **14**, 4939 (2023). <https://doi.org/10.1038/s41467-023-40601-6>.
- Christine C. Baran, Rhea Mae A. Luciano, Christine S. Segumalian, Darryl Anthony M. Valino & Maria Vanessa Baria-Rodriguez (2023): [Genus and size-specific susceptibility of soft corals to 2020 bleaching event in the Philippines](https://doi.org/10.1080/17451000.2023.2198242), *Marine Biology Research*, doi:10.1080/17451000.2023.2198242.
- Mason, R. A. B., Bozec, Y.-M., & Mumby, P. J. (2023). [Demographic resilience may sustain significant coral populations in a 2°C-warmer world](https://doi.org/10.1111/gcb.16741). *Global Change Biology*, 00, 1– 9. <https://doi.org/10.1111/gcb.16741>.
- Ye, Z.-M.; Mayfield, A.B.; Fan, T.-Y. [Variable Responses to a Marine Heat Wave in Five Fringing Reefs of Southern Taiwan](https://doi.org/10.3390/app13095554). *Appl. Sci.* **2023**, *13*, 5554. <https://doi.org/10.3390/app13095554>.
- Maurya P, Balakrishnan M, Raj R, Naik L, Fernandes L, Dabholkar N, Prabhudesai S, Ravindran J, Agarwadekar Y, Navelkar G. [Augmented coral reef monitoring using a stationary reef monitoring system](https://doi.org/10.1016/j.ecoinf.2023.101972). *Ecol. Inform.* **74** (2023) 101972. <https://doi.org/10.1016/j.ecoinf.2023.101972>.
- Lachs, L., Humanes, A., Pygas, D.R. *et al.* [No apparent trade-offs associated with heat tolerance in a reef-building coral](https://doi.org/10.1038/s42003-023-04758-6). *Commun Biol* **6**, 400 (2023). <https://doi.org/10.1038/s42003-023-04758-6>.
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- González-Barrios, F. J., Estrada-Saldívar, N., Pérez-Cervantes, E., Secaira-Fajardo, F., & Álvarez-Filip, L. (2023). [Legacy effects of anthropogenic disturbances modulate dynamics in the world's coral reefs](https://doi.org/10.1111/gcb.16686). *Global Change Biology*, 29, 3285– 3303. <https://doi.org/10.1111/gcb.16686>
- Moriarty T, Leggat W, Heron SF, Steinberg R, Ainsworth TD (2023) [Bleaching, mortality and lengthy recovery on the coral reefs of Lord Howe Island. The 2019 marine heatwave suggests an uncertain future for high-latitude ecosystems](https://doi.org/10.1371/journal.pclm.0000080). *PLOS Clim* **2**(4): e0000080. <https://doi.org/10.1371/journal.pclm.0000080>.
- Binni, Q, Yu K, Zuo X. [Study of the bleaching alert capability of the CRW and CoRTAD coral bleaching heat stress products in China's coral reefs](https://doi.org/10.1016/j.marenvres.2023.105939). *Mar. Environ. Res.* **186** (2023) 105939. <https://doi.org/10.1016/j.marenvres.2023.105939>.

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- Liu, B.; Guan, L.; Chen, H. [Detecting 2020 Coral Bleaching Event in the Northwest Hainan Island Using CoralTemp SST and Sentinel-2B MSI Imagery](#). *Remote Sens.* **2021**, *13*, 4948. <https://doi.org/10.3390/rs13234948>.

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