Priyanka Banerjee

CONTACT INFORMATION

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EDUCATION

CSIR-National Institute of Oceanography, Goa, India

Ph.D., Marine Sciences, November 2015.

Dissertation: "Spatio-temporal variability of mineral dust over the Arabian Sea and its impact on primary production"

University of Calcutta, Calcutta, India
Master of Science, Geography, 2010.
Bachelor of Science, Geography, 2008.

ACADEMIC EXPERIENCE

Divecha Centre for Climate Change, Indian Institute of Science
Department of Science and Technology (DST), Government of India, INSPIRE Faculty Fellow, April 2019-

Centre for Atmospheric and Oceanic Sciences, Indian Institute of Science
Project Scientist, April 2016 – April 2019

RESEARCH AREA

Aerosol transport and its long-term variability, impact of aerosol depositions on ocean biogeochemistry.

CURRENT PROJECT

Constraining **DU**st **CY**cle and its **CL**imate implications over the northern **I**ndian **O**cean **(DUCYCLIO)**

PUBLICATIONS

1. **Banerjee, P.** and S. Prasanna Kumar (2014), Dust depositions leading to phytoplankton blooms in the Arabian Sea, SOLAS Newsletter, 16, 13-14.
2. **Banerjee, P**. and S. Prasanna Kumar (2014), Dust-induced episodic phytoplankton blooms in the Arabian Sea during winter monsoon, Journal of Geophysical Research (Oceans), 119, 7123-7138, doi:10.1002/2014JC010304.

3. Prasanna Kumar, S., N. Ramaiah and R. A. Sreepada (2015), Ecosystem Characterisation of Indian Coast with special focus on West Coast, CSIR-NIO, Goa, India, BOBLME Thematic Report, BOBLME-2015-Ecology-17. (Contributing author).
4. **Banerjee, P** and S. Prasanna Kumar (2016), ENSO modulation of interannual variability of dust aerosols over the northwest Indian Ocean, Journal of Climate, 29, 1287–1303, doi: http://dx.doi.org/10.1175/JCLI-D-15-0039.1.
5. Singh, A., et al. (2016), Perspectives on future Indian Ocean research from early career scientists, Current Science, 111 (11), 1741-1742.
6. Narvekar, J., J. R. D'Mello, S. Prasanna Kumar, **P. Banerjee**, V. Sharma, and P. Shenai-Tirodkar (2017), Winter-time variability of the eastern Arabian Sea: A comparison between 2003 and 2013, Geophysical Research Letters, 44, 6269–6277, doi:10.1002/2017GL072965.
7. **Banerjee, P**., S.K. Satheesh, K.K. Moorthy, R.S. Nanjundiah, and V.S. Nair (2019), Long-Range Transport of Mineral Dust to the Northeast Indian Ocean: Regional versus Remote Sources and the Implications, Journal of Climate, 32, 1525–1549, https://doi.org/10.1175/JCLI-D-18-0403.1.

8. **Banerjee, P**., S.K. Satheesh, and K.K. Moorthy (2021), The unusual severe dust storm of May 2018 over Northern India: Genesis, propagation, and associated conditions, Journal of Geophysical Research: Atmospheres, 126, e2020JD032369, https://doi.org/10.1029/2020JD032369

9. **Banerjee, P.,** S.K. Satheesh, and K.K. Moorthy (2021), Is the Atlantic Ocean driving the recent variability in South Asian dust?, Atmos. Chem. Phys. Discuss. [preprint], in review. https://doi.org/10.5194/acp-2020-1305