

Curriculum Vitae
Kandaga Pujiana
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a. Professional Preparation

Bachelor of Science in Oceanography, Bandung Institute of Technology, Bandung, 2001
Master of Science in Oceanography and Atmospheric Science, Bandung Institute of Technology, Bandung, 2005
Master of Arts in Ocean and Climate Physics, Columbia University, New York, 2007
Master of Philosophy in Ocean and Climate Physics, Columbia University, New York, 2011
Doctor of Philosophy in Ocean and Climate Physics, Columbia University, New York, 2012

b. Appointments

NRC Research Associateship, NOAA Pacific Marine Environmental Laboratory, March 2017-present
Adjunct Assistant Research Scientist, Lamont-Doherty Earth Observatory, September 2016-present
Assistant Professor, Bandung Institute of Technology-Indonesia, April 2012-present
Postdoctoral investigator, Oregon State University, September 2013-November 2016
Postdoctoral investigator, Lamont-Doherty Earth Observatory, October 2012-August 2013
Graduate Research and Teaching Assistant, Columbia University, 2005-2012

c. Publications.

Pujiana, K., Moum, J. N., Smyth, W.D. The role of subsurface turbulence in redistributing upper ocean heat, freshwater and momentum in response to the Madden-Julian Oscillation in the equatorial Indian Ocean. *Journal of Physical Oceanography* (in review).

Pujiana, K., Napitu, A. M., Gordon, A. L. Intraseasonal relaxation of the Indonesian Throughflow. *Journal of Physical Oceanography* (in review).

Moum, J. N., Pujiana, K., Lien, R. C., Smyth, W., 2016. Oceanic Feedback to Pulses of the Madden-Julian Oscillation in the Equatorial Indian Ocean. *Nature Communications*, 7, 13203 EP, doi: 10.1038/ncomms13203.

Warner, S., Becherer, J., Pujiana, K., Shroyer, E., Ravichandran, M., Moum, J. N., 2016. Monsoon Mixing Cycle in the Bay of Bengal: A Year Long Subsurface Mixing Record. *Oceanography* 29(2):158–169, <http://dx.doi.org/10.5670/oceanog.2016.48>.

Pujiana, K., Moum, J.N., Smyth, W.D., Warner, S. J., 2015. Distinguishing Ichthyogenic Turbulence from Geophysical Turbulence. *Journal of Geophysical Research-Oceans*, 120, 3792-3804. doi:10.1002/2014JC010659.

Napitu, A. M., Gordon, A. L., Pujiana, K., 2015. Intraseasonal Sea Surface Temperature Variability across the Indonesian Seas. *Journal of Climate*, 28, 8710-8727, doi: <http://dx.doi.org/10.1175/JCLI-D-14-00758.1>.

Sprintall, J., Gordon, A. L., Koch-Larrouy, A., Lee, T., Potemra, J. T., Pujiana, K., Wijffels, S.E. (2014). *Nature Geoscience*, 7, 487-492. doi:10.1038/ngeo2188.

Pujiana, K., Gordon, A. L., Sprintall, J. 2013. Intraseasonal Kelvin Waves in Makassar Strait. *Journal of Geophysical Research-Oceans*, 118, 2023–2034, doi: 10.1002/jgrc.20069.

Pujiana, K. 2012. Makassar Strait Intraseasonal Variability. *Columbia University Academic Commons*, <http://hdl.handle.net/10022/AC:P:14434>

- Pujiana, K., Gordon, A. L., Metzger, E. J., Ffield, A., 2012. The Makassar Strait Pycnocline at 20-40 days, *Dynamics of Atmospheres and Oceans*, 53-54, 17-35, doi:10.1016/j.dynatmoce.2012.01.001.
- Napitu, A.M., Pujiana, K., Priyono, B, 2010. Investigation of the Coastally Trapped Waves at South of the Indonesian Archipelago. *Marine Research Indonesia*. 35, 1-7.
- Pujiana, K., Gordon, A. L., Sprintall, J., Susanto, R.D., 2009. Intraseasonal Variability in the Makassar Strait Thermocline, *Journal of Marine Research*, 67, 757-777. doi:10.1357/002224009792006115.
- Hadi, S., Ningsih, N. S., Pujiana, K., 2005. A modelling study of wave field characteristics in Java Sea, *Marine Research Indonesia*. 10, 169-176.

d. Presentations

- Pujiana, K., 2016. Ocean Surface Layer Response Under Madden-Julian Oscillation Convective Systems in the Equatorial Indian Ocean. Abstract P03p-246 presented at 2016 Ocean Sciences Meeting, AGU/ASLO/TOS, New Orleans, LA, 21-27 Feb.
- Pujiana, K., 2015. Ocean Mixing due to MJO wind bursts. Abstract OS53C-04 presented at 2015 Fall Meeting, AGU, San Francisco, Calif., 14-18 Dec.
- Pujiana, K., Moum, J. N., 2014. Surface Layer Response to the Equatorial Jet During an MJO event. Abstract 17427 presented at 2014 Ocean Sciences Meeting, AGU/ASLO/TOS, Honolulu, Hawaii, 23-28 Dec.
- Pujiana, K., Gordon, A.L., Sprintall, J., 2012. Intraseasonal Kelvin Waves in the Indonesian Throughflow Passages. Abstract OS41B-1720 presented at 2012 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.
- Pujiana, K., Gordon, A.L., Metzger, E., Ffield, A., 2011. Intraseasonal eddies in the Makassar Strait Thermocline. Abstract OS43B-1542 presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec.

e. Synergistic Activities

- Organizing committee for a *Climate and Ocean- Variability, Predictability, and Change [CLIVAR] capacity building workshop*, Bandung-Indonesia, 2014
- Associate of *Committee on Space Research [COSPAR]*, 2014-present
- Chief Scientist for a *Columbia University-NOAA funded research cruise*, Makassar Strait-Indonesia, 2013
- Guest Editor of *Journal of Marine Research Indonesia*, 2012-present
- Reviewer of *Journal of Geophysical Research-Oceans*, 2012-present

f. Research Cruises

- Scientist, Coastal River-Dominated Ecosystem project, R/V Pelican, Gulf of Mexico, April 2016.
- Scientist, Portable mixing instrumentation development project, R/V Elakha, Oregon Coast, September 2015.
- Chief Scientist, Monitoring of the Indonesian Throughflow, R/V Baruna Jaya 7, Makassar Strait, August 2013.
- Student, Philippine Seas Exploration, R/V Melville, Philippine Seas, July 2007.
- Student, Monitoring of the Indonesian Throughflow, R/V Baruna Jaya 1, Makassar Strait, August 2005.
- Student, Monitoring of the Indonesian Throughflow, R/V Baruna Jaya 8, Timor Sea, June 2005.