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I. EDUCATION

PhD Geology, Rice University, Houston, Texas, 1993
MS Geology, University of the Philippines Diliman, 1988
BS Geology, University of the Philippines Diliman, 1993

II. TEACHING: Courses Taught

GEOGRAPHY 210: Marine Geography
MARINE SCIENCE 1: Oceans and Us
MARINE SCIENCE 230: Geological Oceanography
MARINE SCIENCE 397: Special Topics (Coastal Geomorphology)

III. PUBLICATIONS

Shen, C-C., **Siringan, F.P.**, Lin, K., Dai, C-F., Gong, S-Y. 2010. Sea-level rise and coral-reef development of northwestern Luzon since 9.9 ka. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 292: 465–473. doi:10.1016/j.palaeo.2010.04.007.

Hosono, T., Su, C-C., **Siringan, F.P.**, Amano, A., Onodera, S. Effects of environmental regulations on heavy metal pollution decline in core sediments from Manila Bay. *Metal Pollution Bulletin*, 60: 780-785. doi:10.1016/j.marpolbul.2010.03.005.

Stevenson, J., **Siringan, F.P.**, Finn, J., Madulid, D., and Heijnis, H., 2010. Paoay Lake, northern Luzon, the Philippines: a record of Holocene environmental change. *Global Change Biology*. doi: 10.1111/j.1365-2486.2009.02039.x.

Sta. Maria, E.J., **Siringan, F. P.**, Bulos, A.dM., and Sombrito, E.Z. 2009. Estimating sediment accumulation rates in Manila Bay, a marine pollution hot spot in the Seas of East Asia. *Marine Pollution Bulletin*. 59, pp.164-174.

Chang, K-H., Amano, A., Miller, T.W., Isobe, T., Maneja, R., **Siringan, F. P.**, Imai, H., and Nakano, S., 2009. Pollution study in Manila Bay: eutrophication and its impact on plankton community. In: *Interdisciplinary Studies on Environmental Chemistry — Environmental Research in Asia*. Obayahi, Y. et al., (Eds), TERRAPUB, pp. 261–267.

David, C. P. C., Sta. Maria, Y. Y., **Siringan, F. P.**, Reotita, J. M., Zamora, P. B., Villanoy, C. L., Sombrito, E. Z., Azanza, R. V. 2008. Coastal pollution due to increasing nutrient flux in aquaculture sites. *Environmental Geology*. DOI 10.1007/s00254-008-1516-5.

Umezawa, Y., Hosono, T., Onodera, S., **Siringan, F.**, Buapeng, S., Delinom, R., Yosimizu, C., Tayasu, I., Nagata, T. and Taniguchi, M. 2008. Sources of nitrate and ammonium contamination in groundwater under developing Asian megacities. *Science of the Total Environment*. 404, pp. 361-376.

Taniguchi, M., Burnett, W. C., Dulaiova, H., **Siringan, F.**, Foronda, J., Wattayakorn, G., Rungsupha, S., Kontar, E. A., and Ishitobi, T. 2008. Groundwater Discharge as an Important Land-Sea Pathway into Manila Bay, Philippines. *Journal of Coastal Research*. 24 (1A), pp. 15-24.

Gaillard J.-C., Delfin Jr. F.G., Dizon E.Z., Paz V.J, Ramos E.G., Remotigue C.T., Rodolfo K.S., **Siringan F.P.**, Soria J.L.A., Umbal J.V., 2007. A multidisciplinary approach to reconstructing the Buag eruption of Mount Pinatubo, Philippines. In Grattan J., Torrence R. (eds.), *Living under the shadow: The cultural impacts of volcanic eruptions*. Left Coast Press, Inc., 225-252 pp.

Lagmay, A.M.F., **Siringan, F.P.**, Rodolfo, K.S., Uy, H., Remotigue, C., Zamora, P., Lapus, M., Rodolfo, R., and Ong, J. 2007. Geology and hazard implications of the Maraunot notch in the Pinatubo Caldera, Philippines. *Bulletin of Volcanology*. 69(7), pp.797-809.

Suzuki, A., Gagan, M.K., Kan, H., Edward, A., Siringan, F.P., Yoneda, M., Kawahata, H. Coral records of the 1990s in the tropical northwest pacific: ENSO, mass coral bleaching, and global warming. In: Elsevier Oceanography Series, 73: Global climate change and response of carbon cycle in the equatorial Pacific and Indian Oceans and adjacent landmasses. Elsevier. Kawahata, H., & Awaya, Y. (eds.), 211-238 pp.

Rodolfo, K.S., and **F.P. Siringan**, 2006. Global sea-level rise is recognised, but flooding from anthropogenic land subsidence is ignored around northern Manila Bay, Philippines. *Disasters. Special Issue on Climate Change and Disasters*. 30 (1), pp. 118-139.

Jacinto, G.S., Velasquez, I.B., San Diego-McGlone, M.L., Villanoy, C.L., and **Siringan, F.P.** 2006. *Manila Bay- Environmental Challenges and Opportunities*. In: *The Environment in Asia Pacific Harbours*. Wolanski, E. (ed.), Springer, 497 pp.

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Rodolfo, K.S., **Siringan, F.P.**, Remotigue, C.T., and Lamug, C.B. Worsening floods around northern Manila Bay, Philippines: research-based analysis from physical and social science perspectives. *Philippine Sociological Reviews*, vol.51, pp. 1-16.

Siringan, F.P., and Rodolfo, K.S., 2003. Relative sea-level changes and worsening floods in the western Pampanga delta: Causes and some possible mitigation measures. *Science Diliman* , vol. 15, no.2, pp. 1-12.