

Maria Aileen Leah G. Guzman
Assistant Professor



Contact Information:

Department of Environmental Science
Phone: +(632)-426-6001 loc. 5657
E-mail: mguzman@ateneo.edu

Educational Background:

B.S. Environmental Science	AdMU
M.Sc. Geo-information Science & Earth Observation in Water Resources – Env. Systems Analysis & Management	Univ. of Twente/ITC
Master of Public Administration in Environmental Policy	Maxwell School of Citizenship & Public Affairs Syracuse, NY
Ph.D. Environmental Science in Risk Assessment & Systems Ecology	SUNY-ESF, Syracuse, NY

Research Interests:

Risk Assessment & Disaster Management, Systems Ecology, Applications of Remote Sensing (RS) & Geographic Information Systems (GIS), Sustainable Development, Renewable Energy, Energy Return of Investment (EROI), Water & Land Resources, Ecological & Energy Systems Modelling, Bio-Physical Economic Modelling

Selected Publications and Talks:

Balogh, S., C. Hall, **A. Guzman**, D. Balcarce and A. Hamilton (2012). The Potential of Onondaga County to feed its own population and that of Syracuse, NY: Past, present and future. *In Global Economic and Environmental Aspects of Biofuels*. Ed. D. Pimentel. CRC Press, USA.

Guzman, A. and L. Schmitt (2007). Putting Development in Perspective: Colonial and Neocolonial Dynamics in the Philippines. *In Making World Development Work: Scientific Alternatives to Neoclassical Economic Theory*. Eds. G. Leclerc and C. Hall. Univ. of New Mexico Press, USA.

Vicente, M., **A. Guzman-Estiva**, and G. Galgana. (2006). Urban Poverty Morphology Remote Sensing and GIS: Sensitizing Public Management. *Philippine Journal of Public Administration*, 50(1-4):183-201.

Estiva, J.A.N. & **M.A.L.G. Guzman** (2005). Wind Energy and Development in the Philippines. *World Resources Review*. Vol. 17. No. 3. pp. 429-436. New York City.

Guzman, A. & J. Reyes, editors (2003). *Watershed Management: Saving Forests, Storing Water for the Future*. Pasig City: Philippines. Philippines-Canada Local Government Support Program.

Guzman, A. & J. Reyes, editors (2003). *Solid Waste Management: Options and Solutions at the Local Level*. Pasig City: Philippines. Philippines-Canada Local Government Support Program.

Guzman, A. & J. Reyes, editors (2003). *Coastal Resource Management: Maximizing Opportunities and Overcoming Obstacles*. Pasig City: Philippines. Philippines-Canada Local Government Support Program.