



Curriculum Vitae

Abner P. Barnuevo
Block 12 Lot 1 Deca Homes 4, Bankal,
Lapu-lapu City, Cebu, Philippines

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EDUCATION

- 2018** **Doctor of Philosophy** (Science and Engineering)
Saitama University, Japan
- 2015** **Master of Science in Biology**
University of the Philippines Visayas, Miag-ao, Iloilo, Philippines
- 2005** **Bachelor of Science in Biology**
University of the Philippines Visayas, Miag-ao, Iloilo, Philippines

WORK EXPERIENCES

- September 2011 to present **Manager/Consultant** KPGreen Earth Corporate Social Responsibility, Kanepackage Group of Companies
- May 2011 to August 2011 **Research Assistant** (Arboreal Herpetofauna)
Collaboration of National Museum of the Philippines and National University of Singapore
- October 2006 – 2011 **Researcher** (Impacts oil spill to mangroves)
University of the Philippines Visayas

PEER REVIEWER

Wetlands Ecology and Management (around 40 papers)
Singapore Journal of Tropical Geography (1 paper)
Marine Pollution Bulletin (1 paper)

SCIENTIFIC PUBLICATIONS

- Asaeda, T. and **Barnuevo, A.** 2019. Oxidative stress as an indicator of niche-width preference of mangrove *Rhizophora stylosa*. *Forest Ecology and Management*, 432: 73-82.
- Barnuevo, A.** and Asaeda, T. 2018. Integrating the ecophysiology and biochemical stress indicators into the paradigm of mangrove ecology and a rehabilitation blueprint. *PLoS ONE* 13(8): e0202227. <https://doi.org/10.1371/journal.pone.0202227>.

- Asaeda, T., Jayasanka, S.M.D.H., Xia, L.P., and **Barnuevo, A.** 2018. Application of hydrogen peroxide as an environmental stress indicator for vegetation management. *Engineering*, 4(5), 610-616.
- Barnuevo, A.**, Asaeda, T., Sanjaya, K., Kanesaka, Y. and Fortes, M. 2017. Drawbacks of mangrove rehabilitation schemes: Lessons learned from the large-scale mangrove plantations. *Estuarine, Coastal and Shelf Science* 198, 432-437.
- Barnuevo, A.P.** and R.B. Sadaba. 2017. Comparative study of mangrove recruitment in oil deforested areas in Guimaras, Philippines. *Proceedings of the International Oil Spill Conference, Florida, USA, May 2017. International Oil Spill Conference* pp.2369-2388.
- Asaeda, T., **Barnuevo, A.**, Sanjaya, K., Fortes, M.D., Kanesaka, Y. and Wolanski, E. 2016. Mangrove plantation over a limestone reef – Good for the ecology? *Estuarine, Coastal and Shelf Science* 173, 57-64.
- Barnuevo, A.P.** and R.B. Sadaba. 2014. Recovery of mangrove deforested areas from M/T Solar I oil spill in Guimaras, Philippines. *Proceedings of the International Oil Spill Conference, Savannah, Georgia, May 3-7, 2014. International Oil Spill Conference* 2260-2272.
- Barnuevo, A.P.**, T. Asaeda, E. Tsuneizumi, H. Kanehira, and Y. Kanesaka. 2013. Streamlining corporate responsibility into effective mangrove rehabilitation and management scheme in the Philippines. p.274-281. Santoso, B. and Kusano, T. (eds.) *In: Proceedings of Regional Symposium on Mangrove Ecosystem Management in Southeast Asia: Mainstreaming Mangroves. Indonesian Ministry of Forestry. February 27 – March 1, 2013. Surabaya, Indonesia.* p. xvii + 363.
- Asaeda, T. **A.P. Barnuevo**, R. Maguyon, E. Tsuneizumi, and Y. Kanesaka. Effects of mono-specific plantation of *Rhizophora stylosa* on the mangrove community. p.32. *In: Dahdouh-Guebas, F. and B. Satyanarayana (eds.). 2012. Proceedings of the International Conference ‘Meeting on Mangrove ecology, functioning and Management – MMM3’, Galle, Sri Lanka, 2-6 July 2012. VLIZ Special Publication* 57, xxxix + 192 pp.
- Barnuevo, A.P.** 2011. Preliminary impact assessment of mangrove vegetation affected by coal mine effluents in Semirara Island, Antique, Philippines. *Phil. J. Nat. Sci.* 16: 27-36
- Sadaba, R.B. and **A.P. Barnuevo**. 2010. Status of mangroves within Taklong Island National Marine Reserve, Nueva Valencia, Guimaras, Philippines: a one-year post spill monitoring study. *Memoirs of Faculty of Fisheries, Kagoshima University Special Issue*, 9-17.
- Sadaba, R.B., **A.P. Barnuevo**, C. Madas, J. Biñas, and E. Hortillosa. 2009. Community characteristics of mangrove species in Guimaras after an oil spill. *Phil. J. Nat. Sci., Oil Spill Special Issue* 64-79.

Sadaba, R.B., **A.P. Barnuevo**, C. Madas, J. Biñas, and E. Hortillosa. 2009. Assessment of the short-term structural damage in the Guimaras mangroves by M/T Solar oil spill. *Phil. J. Nat. Sci., Oil Spill Special Issue* 55-63.

CONFERENCES

International

12th International Symposium on Ecohydraulics

Nihon University, Tokyo, Japan

19-24 August 2018

2nd ASEAN Mangrove Congress

Department of Environment and Natural Resources

Manila, Philippines

4-8 September 2017

International Congress of Conservation Biology

Society for Conservation Biology

Montpellier, France

2-6 August 2015

International Oil Spill Conference 2014

Savannah International Trade and Convention

Savannah, Georgia, USA

5-8 May 2014

Regional Symposium in Mangrove Ecosystem Management in SE Asia: Mainstreaming Mangrove

Ministry of Forestry Indonesia and Japan International Cooperation Agency

Surabaya, Indonesia

27 February to 1 March 2013

1st ASEAN Mangrove Research and Development Congress

Department of Environment and Natural Resources

Century Park Hotel, Manila, Philippines

3-7 December 2012

Third International Meeting on Mangrove ecology, functioning and Management

Vrije Universiteit Brussel, Univeristy Libre de Bruxelles

Galle, Sri Lanka

2-6 July 2012

Local

The National-Seagrass-Mangrove Bioshield Conference

Marine Science Institute, University of the Philippines, Diliman

U.P. Diliman, Quezon City, Philippines
26-27 May 2016

12th National Symposium in Marine Science

Philippine Association of Marine Sciences
University of the Philippines Visayas Tacloban College, Tacloban City, Leyte, Philippines
24-26 October 2013

1st Protected Area Management Summit

Department of Environment and Natural Resources Region 7
Panglao Island, Bohol, Philippines
10-12 July 2013

10th National Marine in Symposium

Philippines Association of Marine Science
Eden Nature Resort, Toril, Davao City, Philippines
October 22-24, 2009

3rd UPV Graduate Research Conference

University of the Philippines Visayas
Iloilo City, Philippines
December 5, 2009

2nd National Conference on Solar I Oil Spill

Oil Spill Research Program, University of the Philippines Visayas
UPV Auditorium, Iloilo City, Philippines
November 27-28, 2008

Bioremediation, Ecotoxicology & Survey of Eco'l Impacts by Oil

The Core University Program: University of the Philippines Visayas and Kagoshima
University Faculty of Fisheries, Kagoshima, Japan
GCEB Audio Visual Room, UPV Iloilo City Philippines
September 8, 2008

2nd UPV Graduate Research Conference

University of the Philippines Visayas
Iloilo City, Philippines
December 15, 2007

Biology Teachers Association Regional Conference Region 6

Biology Teachers Association
Sampaguita Gardens, New Washington, Kalibo, Aklan, Philippines
December 1-2, 2006

TRAININGS AND CERTIFICATES

Guthrie Jensen (Philippines)	Developing Presence, Confidence and Influence January 2019
World Bank Institute (Online course)	E-course Carbon Monitoring of Clean Development Mechanism (CDM) Afforestation/Reforestation Project September 2013
SCUBA Diver	Professional Association of Diving Instructors (Open Water Diver) 2012
Russell E. Train Fellow (United Kingdom)	Darwin Scholarship Programme September 2011
UNU-INWEH-UNESCO (India)	Mangroves Biodiversity Course (India) October 2010
Career Service Professional (Philippines)	Civil Service Commission of the Philippines December 2005

PERSONAL PROFILE

Name	:	Abner P. Barnuevo
Date of birth	:	October 3, 1983
Work address	:	KPGroup Philippines, Inc. 510 iMEZ Bldg., MEZ2, Pueblo Verde, Basak, Lapu-lapu City, Cebu, Philippines
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