

LEONARDO LEGASPI CO

(1953 - 2010)

Education

BS Botany, University of the Philippines. June 2008.

High School diploma, The Philippine Cultural High School, Caloocan Branch, 1971

Research Interest

Taxonomy of Philippine Vascular Plants, Forest Ecology, Medicinal Plants, native forest restoration, biodiversity conservation education

Professional Background

Lecturer: Institute of Biology, College of Science, University of the Philippines, Diliman, Quezon City. Teaching *Biology 115* (Taxonomy of Higher Vascular Plants).

Senior Botanist, Biodiversity Analysis, Synthesis and Monitoring Unit, Conservation International-Philippines from July 1996 - August 2009.

Principal Investigator, Palanan Forest Dynamics Plot Project, Northern Sierra Madre Natural Park, Palanan, Isabela, from January 2000 - November 14 2010.

This 16-hectare biodiversity research facility is a collaborative venture between Conservation International (CI), the Center for Tropical Forest Science of the Smithsonian Tropical Research Institute, Arnold Arboretum of Harvard University, and the Institute of Biology, University of the Philippines.

Field Botanist, Conservation International-Philippines from January 1991-December 1992.

Adjunct curator, Herbarium, Institute of Biology, College of Science, University of the Philippines from January 1990 - November 2010.

Researcher, Medicinal Plants of the Cordillera Region book project. CHESTCORE, Baguio City, from July 1981 - December 1989.

This project culminated in the publication of a resource book for community-based health programs in the Cordillera region (see under Publications heading below) in 1989.

Research Assistant, "Inventory of Endangered, Rare, Vanishing, and Economically Important Species of Philippine Flora and Fauna" Project, UP Natural Science Research Center-Ministry of Natural Resources (UPNSRC-MNR) from August 1976 - July 1981.

Membership in professional organizations

2008-2010. NGO sector representative, National Wild Flora Council (NWFC), Protect Areas and Wildlife Bureau-Department of Environment and Natural Resources (PAWB-DENR).

The NWFC is a technical body created by the DENR to assist itself in the formulation of policies and guidelines regarding sustainable use of plant resources in the Philippines.

2007-2010. President, Philippine Native Plant Conservation Society. Website: www.philippinenativeplants.org

2004-2010. Member, Philippine Plant Conservation Committee (PPCC), PAWB-DENR.

2003-2010. Member, Laksambuhay Conservation, Inc.

1997-2010. Member, Wildlife Conservation Society of the Philippines

Publications

BARCELONA JF, PELSER PB, BALETE DS, CO LL. 2009. Taxonomy, Ecology and Conservation Status of Philippine *Rafflesia* (Rafflesiaceae). *Blumea* 54 (1): 77-93.

BARCELONA JF, CO LL, BALETE DS, BARTOLOME NA. 2009. *Rafflesia aurantia* (Rafflesiaceae): a new species from northern Luzon, Philippines. *Garden's Bulletin Singapore* 61 (1): 17-28.

FERNANDO ES, CO LL, LAGUNZAD DA, GRUEZO WS, BARCELONA JF, MADULID DA, BAJA-LAPIS A, TEXON GI, MANILA AC, ZAMORA PM. 2008. Threatened Plants of the Philippines: A Preliminary Assessment. *Asia Life Sciences, Supplement 3*: 1-52.

CHAVE J, CONDIT R, MULLER-LANDAU HC, THOMAS SC, ASHTON PS, BUNYAVEJCHEWIN S, CO LL, DATTARAJA HS, DAVIES SJ, ESUFALI S, EWANGO CEN, FEELEY KJ, FOSTER RB, GUNATILLEKE N, GUNATILLEKE S, HALL P, HART TB, HERNANDEZ C, HUBBELL SP, ITOH A, KIRATIPRAYOON S, LAFRANKIE JV, DE LAO SL, MAKANAJR, SUPARDIMDN, KASSIMAR, SAMPER C, SUKUMAR R, SURESH HS, TAN S, THOMPSON J, TONGCO MDC, VALENCIAR, VALLEJO M, VILLAG, YAMAKURA T, ZIMMERMAN JK, LOSOS EC. 2008. Assessing Evidence for a Pervasive Alteration in Tropical Tree Communities. *PLoS Biology* 6 (3): e45. doi:10.1371/journal.pbio.0060045 (online free-access scientific journal).

- CO LL, LAFRANKIE JV, LAGUNZAD DA, PASION KAC, CONSUNJI HT, BARTOLOME NA, YAP SL, MOLINA JE, TONGCO MDC, FERRERAS UF, DAVIES SJ, ASHTON PS. 2006. *Forest Trees of Palanan, Philippines: A study in population ecology*, 313 pp. Center for Integrative and Development Studies, University of the Philippines.
- MULLER-LANDAU, HC, RS CONDIT, KE HARMS, CO MARKS, S THOMAS, S BUNYAVEJCHEWIN, G CHUYONG, LL CO, S DAVIES, R FOSTER, CVS GUNATILLEKE, IAUN GUNATILLEKE, T HART, SPHUBBELL, A ITOH, AR KASSIM, D KENFACK, JV LAFRANKIE, D LAGUNZAD, HS LEE, E LOSOS, J MAKANA, T OHKUBO, C SAMPER, R SUKUMAR, IF SUN, MN NUR SUPARDI, S TAN, D THOMAS, J THOMPSON, R VALENCIA, MI VALLEJO, G VILLA MUÑOZ, T YAMAKURA, JK ZIMMERMAN, HS DATTARAJA, S ESUFALI, P HALL, FANGLIANG HE, C HERNANDEZ, S KIRATIPRAYOON, HS SURESH, C WILLS, AND PS ASHTON. 2006. Comparing tropical forest tree size distributions with the predictions of metabolic ecology and equilibrium models. *Ecology Letters* 9: 589-682.
- CONDIT, R, P ASHTON, H BALSLEV, N BROKAW, S BUNYAVEJCHEWIN, G CHUYONG, LL CO, HS DATTARAJA, S DAVIES, S ESUFALI, CEN EWANGO, R FOSTER, N GUNATILLEKE, S GUNATILLEKE, C HERNANDEZ, S HUBBELL, R JOHN, D KENFACK, S KIRATIPRAYOON, P HALL, T HART, A ITOH, J LAFRANKIE, I LIENGOLA, D LAGUNZAD, S LAO, E LOSOS, E MAGARD, J MAKANA, N MANOKARAN, H NAVARRETE, S MOHAMED NUR, T OHKUBO, R PEREZ, C SEMPER, L HUA SENG, R SUKUMAR, JC SVENNING, S TAN, D THOMAS, J THOMPSON, M VALLEJO, G VILLA MUÑOZ, R VALENCIA, T YAMAKURA, AND J ZIMMERMAN. 2005. Tropical Tree α -diversity: Results from a Worldwide Network of Large Plots. *Biologiske Skrifter* 55: 565-582.
- TONGCO MDC, LAGUNZAD DA, CO LL, TABBADA RA. 2004. Minimum Area for Rapid Estimates of Tree Diversity in a Permanent Plot in Palanan, Isabela, Philippines. *Agham Mindanaw* 2: 27-35.
- CO LL, LAGUNZAD DA, LAFRANKIE JV, DAVIES SJ, BARTOLOME NA, MOLINA JE, YAP SL, GARCIA HG, BAUTISTA JP, ARAÑO R, GUMPAL EC. 2004. Palanan Forest Dynamics Plot. In: EC Losos & EG Leigh, Jr (eds). *Tropical Forest Diversity and Dynamism: Findings from a large-scale plot Network*. The University of Chicago Press.
- BROOKS T, ABUEL M, CO LL, COROZA O, DUYA LV, DUYA A, LANGHAMMER P, MALLARI A, MORALES C, PALOMAR N, RODRIGUEZ R, TABARANZA B, TRONO R. 2004. Targets and Priorities for Biodiversity Conservation Globally and in the Philippines. *Agham Mindanaw* 2: 1-10.
- CO LL, BARTOLOME N, MOLINA J, YAP S. 2003. *Pictorial Guide to the Tree and Shrub Flora of the Palanan Forest Dynamics Plot and Vicinity, Northern Sierra Madre Natural Park*. Unpaginated.
- CO LL, MADULID DA, ARGENT G. 2002. *A New Species of Vaccinium (Ericaceae) from the Philippines*. *Edinburgh Journal of Botany* 59 (3): 373-376 +1 fig.
- ZAMORA PM, GC RIVERO, CO LL. 2001. *Annotated Bibliography on Philippine Biodiversity: Filicopsida (Ferns)*. University of the Philippines Center for Integrative and Development Studies. 120 pp.
- WILSON PG, CO LL. 1998. *Xanthostemon fruticosus (Myrtaceae): A New Species from the Philippines*. *Sida* 18 (1): 283-286 + 1 fig.
- COLL, BC TAN. 1992. Botanical exploration in Palanan Wilderness, Isabela Province, The Philippines: First Report. *Flora Malesiana Bulletin* 11 (1): 49-53.
- COLL. 1989. *Common medicinal plants of the Cordillera Region (Northern Luzon, Philippines)*. CHESTCORE, Baguio City, 489 pp.
- ZAMORA PM, CO LL. 1980. *New Species of Ferns (Filicopsida) from Palawan, Philippines*. University of the Philippines Natural and Applied Science Bulletin 32: 43-52.
- ZAMORA, PM, CO LL. 1986. *Endemic Ferns, Economic Ferns, Gymnosperms*. In: *Guide to Philippine Flora and Fauna, vol. II. Endemic Ferns*, 210 pp.
- CO LL (ed.). 1977. *A Manual on Some Philippine Medicinal Plants*. illustrated, UP Botanical Society, 193 pp..
- Eponymy:** Plants named in honour of Mr. Leonardo Co
Rafflesia leonardi Barcelona & Pelser, *Blumea* 53 (2008) 223, Fig. 1, plate 1.
- Mycaranthes leonardoii* Ferreras & W Suarez, *Australian Orchid Review* 73 (2008) 3, 22.
- Gomphandra coi* Schori, *Kew Bulletin* 67 (2012) 720.
- Diplycosia coi* Argent (this issue)
- Medinilla dallciana* Fernando & Balete (this issue)
- Cayratia coi* J. Wen & Boggan (this issue)