

Philippine Journal of Science

Volume 146 No. 4

Philippine Journal of Science (Philipp J Sci) is a scientific journal published by the Department of Science and Technology (DOST) and managed by Science and Technology Information Institute (STII).

Editorial Board

Editor-in-Chief

Dr. Caesar A. Saloma

Professor, National Institute of Physics, College of Science
University of the Philippines Diliman, Quezon City, Philippines

Dr. Dolores A. Ramirez

Professor Emeritus
Institute of Plant Breeding, College of Agriculture
University of the Philippines Los Baños, College
Laguna, Philippines

Dr. Fabian M. Dayrit

Dean, School of Science and Engineering
Ateneo de Manila University
Loyola Heights, Quezon City, Philippines

Dr. Queena Lee-Chua

Professor
Department of Mathematics
Ateneo de Manila University
Loyola Heights, Quezon City, Philippines

Dr. Florencia G. Claveria

Department of Biology
De La Salle University-Manila
2401 Taft Avenue, Manila, Philippines

Dr. Consolacion Y. Ragasa

Department of Chemistry
De La Salle University-Manila
2401 Taft Avenue, Manila, Philippines

Dr. William G. Padolina

President
National Academy of Science and Technology
DOST Complex, Bicutan, Taguig City

Dr. Rosalia CM. Simmen

Department of Physiology and Biophysics
University of Arkansas for Medical Sciences and
Arkansas Children's Nutrition Center
Arkansas Children's Hospital Research Institute
1120 Marshall Street
Little Rock, Arkansas 72202, USA

Dr. Ronaldo P. Ferraris

Department of Pharmacology and Physiology
New Jersey Medical School
185 S. Orange Avenue
Newark, NJ 07103-2714, USA

Dr. Josefino C. Comiso

Laboratory for Hydrospheric Processes, Code 971
National Aeronautics and Space Administration
Goddard Space Flight Center
Greenbelt, MD 20771, USA