Philippine Men and Women of Science

A compilation of bio-bibliographical information on men and women in the field of science and technology

VOLUME 26

Science and Technology Information Institute
Information Resources and Analysis Division
Department of Science and Technology
Philippine Men and Women of Science
(Formerly Philippine Men of Science)

A compilation of bio-bibliographical information of men and women in the field of science and technology

Volume 26
June 2013

Information Resources and Analysis Division
Science and Technology Information Institute
Department of Science and Technology
Bicutan, Taguig City, Philippines
THE PHILIPPINE MEN AND WOMEN OF SCIENCE Volume 26, June 2013
issue is published by the Science and Technology Information Institute –
Department of Science and Technology (STII-DOST), General Santos Ave.,
Bicutan, Taguig City, Philippines

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Scientists Database, the online version can be accessed at http://webdb.stii.dost.gov.ph

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Preface

The Philippine Men and Women of Science is one of the in-house publications generated from the Scientists Database, being maintained by the Science and Technology Institute (STII), the information arm of the Department of Science and Technology (DOST). It contains bio-bibliographical information of the living scientists who have excelled in their careers with their scientific and technical contributions published in various scientific and technical journals here and abroad.

This compilation aims to provide a useful and effective baseline information needed by researchers, planners, policy makers and the general public who may need the expertise of these scientists.

The publisher is very grateful to all the scientists who have extended their wholehearted and invaluable cooperation in this undertaking as it is hoped that this information will be of help in our national development effort.
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Synthesis and design of molecular imprinted polymer (MIP)sorbents for cis/trans fatty acid extraction and separation

Synthesis of Ruthenium phthalocyanine with various axial ligands: promising malfunctional molecular conductors

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### Name
Alfonso M. Albano

### Gender
Male

### Civil Status
Single

### Organizational Affiliations
Marion Reilly Professor Emeritus and Research Professor (ret), Department of Physics BRYN MAWR College,

### Education
- Ph.D. in Physics, State University of New York, Stony Brook, New York 1969
- M.S. in Physics, University of Iowa, USA 1964
- B.S. in Physics, University of the Philippines, Diliman, Quezon City 1959

### Fields of Specialization
- Physics (Non-linear Dynamics)
- Elementary Particles Physics
- Statistical Mechanics
- Non-equilibrium Thermodynamics

### Employment
- Editor, Physica D, -
- Member of the Editorial Board, Physical Review E, -

### Association Membership
- Member, Philippine-American Academy of Science and Engineering
- Member, Sigma Xi, Sigma Pi Sigma, Phi Kappa Phi
- Member, American Association of Physics Teachers
- Member, American Physical Society

### Honors / Awards
- Christian F. and Mary S.Lindback Foundation Award for Distinguished Teaching, 1996
- Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring, Bryn Mawr College Physics Department 1998
- Mary Patterson McPherson Award for Excellence, 2005
Trainings

Workshop on Nonlinear Dynamics and Time Series Analysis, Mindanao State University – Iligan Institute of Technology, Philippines 2008 S

5th Jagna International Workshop, Jagna, Bohol (Philippines) 2008 Ja 3-5

International Conference on Nonlinear Dynamics and, Bangalore, India 1998 F 1-5

International Workshop on Measures of Spatiotemporal Dynamics, Co-sponsored by U.S. Navy NAWC, Bryn Mawr 1995 Je 11-13

3rd International Congress of Behavioral Medicine, Amsterdam, The Netherlands 1994 Ji 8

2nd Annual Conference on the Nonlinear Dynamical Analysis of the EEG, University of Houston, Texas, USA 1992 Ap


Southeastern Pennsylvania Section Meeting, American Association of Physics Teachers, 1991 Ap 2

International Workshop on Quantitative Measures of Complexity and Chaos, a NATO Advanced Topic Works, Bryn Mawr 1989 Je 22-24

Science as Exploration: Developing inquiry-based methods. A summer workshop for Philadelphia School,

Workshop on Nonlinear Dynamics and Time Series Analysis, Mindanao State University – Iligan Institute of Technology

Researches

Completed

Development and refinement of algorithms for the calculation of quantitative measures of complex spatial and temporal behavior and for the identification and classification of complex systems

Computational characterization of electroencephalographic signals,"

Determination of Embedding Windows by Higher-Order Correlations

Unstable Behavior in Lasers and Other Optical Systems

Dynamical Systems Theory Applied to Electromyographic Signal Processing

High Gain Laser Amplifiers (September 1979-80)

Papers Presented


Albano, A.M. (1996 Jl 30). Nonlinear dynamics and biomedical engineering, College of Engineering and Agricultural Technology, University of the Philippines at Los Baños.

Albano, A.M. (1996 Jl 21). Fluid dynamical simulation strategies that may be applicable to the lahar problem, Centre for Fluid Dynamics, University of the Philippines at Los Baños.


Albano, A.M. (199 S 29). Chaos and Fractals in Medicine, Philadelphia College of Pharmacy and Science.


Albano, A.M., Brodfuehrer, P.D., Tapyrik, L., Sunder, S. (). Variance and spatial mutual information patterns distinguish swimming response of the leech to intracellular stimulation, Shanghai International Symposium on Nonlinear Science and Applications.

**Publications**

**2009**


**2008**

Brodfuehrer, P.D., McCormick, K., Lauren Tapyrik, L., Albano, A.M., Graybeal, C. Activation of two forms of locomotion by a previously identified trigger interneuron for swimming in the medicinal leech. Invertebrate Neuroscience, 2008, 8:31-39.


Name: Dionisio G. Alvindia  
Gender: Male  
Civil Status: Single  

Organization Affiliations:  
Affiliate Professor, Central Luzon State University (CLSU), Science City of Munoz, Nueva Ecija  

Education:  
Ph.D., Tokyo University of Agriculture, Tokyo, Japan 2003  

Fields of Specialization:  
Postharvest Pathology and  
Mycology  
Agriculture  

Association Membership:  
Member, National Research Council of the Philippines  

Honors / Awards:  
Postdoctoral Fellowship, Foreign Researchers 2006 Je - 2008 My  
Best Paper (Research Cat.) Non-chem. Approaches for Managing Postharvest Diseases of Tropical Fruits, PhilMech 2011  
AFMA Best R&D Paper (Bronze Award), AFMA 2011  

Trainings:  
International Conference on Agriculture and Agro-Industry 2010: Food, Health and Trade, Mae Fah Luang University, Chiang Rai, Thailand 2010 N 19-20  
The 3rd Asian Conference on Plant Pathology, Yogyakarta, Indonesia 2007 Ag 20-14  
9th International Working Conference on Stored Product Protection, Sao Paulo, Brasil 2006 O 15  
International Society for Southeast Asian Agricultural Sciences (ISSAAS), University Putra Malaysia, Selangor, Malaysia 2006 D 9-11  
Annual Meeting of Phytopathological Society of Japan, Tokyo, Japan 2003 Ap  

Researches:  
Completed  
Non-chemical Approaches in Managing Postharvest Diseases of Tropical Fruits (Mango), 2011  
Effect of surfactant on the protective value of inorganic salt to control crown rot of banana
Biological control of crown rot of banana with epiphytic fungi

The aerial and fruit surface populations of fungi in non-chemical banana production in the Philippines

Microbiota of Cacao

Papers Presented


the Philippines, DABIA III, Tokyo, Japan.

Publications


Name: Manuel C. Belino  
Gender: Male  
Civil Status: Single  

Organizational Affiliations  
Dean, School of Mechanical Engineering, Mapua Institute of Technology, Muralla Street; Intramuros Manila  
Dean and Full Professor, Mapua Institute of Technology, Muralla St., Intramuros, Manila  

Education  
Doctor of Education, De La Salle University, Manila 1998  

Fields of Specialization  
Engineering Education  
Mechanical Engineering  
Education  

Association Membership  
Member, National Research Council of the Philippines (NRCP)  

Honors / Awards  
Elected as Scholarship Trustee, American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) 2011  
Outstanding Faculty Advisor 2011 for District G (Asia-Pacific), American Society of Mechanical Engineers (ASME) 2011  
Student Activities Achievement Award, American Society of Heating, Refrigerating and Airconditioning Engineers (ASHRAE) 2008  
Finalist- Metrobank Foundation, Inc., Search for Outstanding Teacher 2004  

Trainings  
International Leadership Summit in Mechanical/ Multi-Disciplinary Engineering Education, Hong Kong 2011 S 27-29  
59th PSME National Convention, SMX Convention Center, Pasay City 2011 O 26  
11th Asia Pacific Conference on the Built Environment Green Energy for Environment, Jakarta, Indonesia 2011 O  
2nd National Tri-Level Conference of Teachers and Educators, Manila Hotel 2008 O 8-10  
2nd PIMEE Mechanical Engineering Education Conference, University of Sto. Tomas, Manila 2008 N 27-28  
International Research Conference, University of San Carlos, Cebu City 2008 Mr 13-15  
17th Annual Association for Practical and Professional Ethics (APPE) Annual
Meeting Mini-Conference, San Antonio, Texas, USA 2008 F 21-24

Researches

Completed
Development of Underfloor Air Distribution System
Assessment of Chemical and Biological Contaminants and Improvement of Air Quality in Air-conditioned Urban Buses
Comparative Analysis of Energy Efficiency of WACU and PACU
Investigation of the Interior Air Quality of LRT Trains
Development of an Indoor Environmental Quality Simulation Laboratory at the School of Mechanical Engineering of Mapua Institute of Technology

On-going
Assessment of Air Quality in Airconditioned Buildings and Urban Proponent Buses. De La Salle University, University Research Coordination Office.
Development of a Thermal Ice Storage for Airconditioning Laboratory Apparatus
Indoor Air Quality Assessment of Selected Shopping Malls in Metro Manila
Baseline Data of the MBTI Personality Profile of Freshman Engineering Students in the Philippines

Papers Presented
Belino, M.C. (2008 O 8-10). In-door Air Quality Investigation of Classrooms In Selected Grade Schools in Metro Manila, 2nd National Tri-Level Conference of Teachers and Educators, Manila Hotel.
Belino, M.C. (2008 Mr 13-15). Making the First Year of the Engineering Program
Interesting and Exciting through an Engineering Orientation Course, International Research Conference, University of San Carlos, Cebu City.

Belino, M.C. (2008 F 21-24). It’s Not Too Late to Teach Ethics to Engineering Graduate Students, 17th Annual Association for Practical and Professional Ethics (APPE) Annual Meeting Mini-Conference, San Antonio, Texas, USA.


Publications


2011 Belino, M.C. Establishing Student Chapters of National and International Professional Societies in Mechanical Engineering: Benefits and Opportunities for Students and Faculty. Proceedings of the 3rd Regional Conference on Mechanical and Aerospace Technology with ISSN 2094-8387, Traders Hotel, Manila, Philippines, 2011 Mr 4-5.


2011 Belino M.C. Towards an Outcomes- Based Mechanical Engineering Education in the Philippines and the Mapua Institute of Technology School of Mechanical Engineering Initiatives. mm. Proceedings of the 3rd Regional Conference on Mechanical and Aerospace Technology with ISSN 2094-8387, Traders Hotel, Manila, Philippines, 2011 Mr 4-5.

2011 Belino, M.C. Implications of MBTI Personality Profile of Mechanical Engineering Students to Student Centered Learning. Proceedings of the 3rd Regional Conference on Mechanical and Aerospace Technology with ISSN 2094-8387, Traders Hotel, Manila, Philippines., 2011 Mr 4-5.


2011 Belino, M.C. A Survey of Indoor Air Quality Studies in the Philippines Focusing on


Belino, M.C. Towards an Outcomes-Based Mechanical Engineering Education in the Philippines and the Mapua Institute of Technology School of Mechanical Engineering Initiatives. Proceedings of the 3rd Regional Conference on Mechanical and Aerospace Technology, .
Name: Filma G. Brawner
Gender: Female
Civil Status: Married
Home Address: 98 Starlite St., Rancho Estate III Concepcion, Marikina City

Organizational Affiliations
Executive Director, Philippine Science High School System, Agham Road, Diliman, Quezon City

Education
Ph.D. Education, Research and Evaluation, University of the Philippines, Diliman, Quezon City 1990
MA Education, Child Study, Philippine Normal College (now PNU), Taft Avenue, Manila 1975
BS Elementary Education, St. Mary's College (now SMU), 1969

Fields of Specialization
Research and Evaluation
Science Education Development
Educational Statistics
Tests & Measurements
S & T Human Resource Development
Management of Science Education Programs

Employment
Deputy Director, Science Education Institute, DOST, 1997 - 2007, Ag 15-
OIC, Office of the Deputy Director, and Division Chief, STMAD, SEI-DOST, 1994 - 1997-
Division Chief, S&T Manpower Assessment Division, SEI-DOST, 1993 - 1994-
Education Program Specialist, PUP, 1991-1992-
University Researcher, UP-DECS PRODED National Evaluation and Impact Study, 1988 - 1993-
Chief, Evaluation Section, DECS Textbook Board Secretariat, 1981 -1983-
Supervising Educational Researcher, DECS Textbook Board Secretariat, 1977 - 1981-
Faculty, St Mary's College, Bayombong, Nueva Vizcaya, 1975 - 1977-
Classroom Teacher, St. Mary's College Elem. Dept',, 1969 - 1970-

Association Membership
Member, Pi Lambda Theta Honor Society (Philippine Chapter)
Member, National Research Council of the Philippines

**Honors / Awards**

- Awardee for Academic Excellence, U.P. - College of Education 1990
- Cum Laude, St. Mary's College (now SMU) 1969
- Most Outstanding Alumni, St. Mary's College 2005
- Most Outstanding Alumni, St. Jeromes Academy 2002

**Trainings**

- Industrial and Economic Development Policy Training for Filipino Officials, KOICA, South Korea 2002
- Seminar Workshop, Second Information Technology in Education Study, Denmark 1999
- Meeting of SEAMO RECSAM Governing Board, Malaysia 1999
- International Summer Course on Quantitative Methods for Planning the Quality of Education, International Institute for Educational Planning, Paris 1997
- Conference on Cooperative Learning and Constructivism, Malaysia 1997
- International Conference on Public Understanding of Science, China 1995
- Training of Quality Control Monitors for TIMSS, England 1995
- TBS-EDPITAF Staff Development Fellowship, Institute of Education, University of London 1980
- Fund for Assistance to Private Edu Faculty Dev't Program (Scholarship for a Master's Degree), PNU 1970 - 1972

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**Researches**

- **Complete**
  - Survey of Local Beliefs and Practices as Inputs for Instructional Materials in Science
  - Evaluation of the Impact of the Philippine Textbook Project on the Achievement of Elementary and High School Students
  - Evaluation of the Program for Decentralized Education Development
  - Third International Mathematics and Science Study
  - Teacher Market Study in Science and Mathematics Education
  - Benchmarking Study in Science and Mathematics Education
  - Teacher Education Development Study. (Mathematics)

- **Completed**
  - 2nd Information and Technology in Education Study (SITES M2, 2001-2002)

**Publications**

- 24


Name: Pepito Q. Cabauatan
Gender: Male
Civil Status: Married

Organizational Affiliations:
Senior Associate Scientist, International Rice Research Institute, Plant Breeding Genetics and Biotechnology Division, Los Baños, College, Laguna

Education:
Ph.D. in Plant Pathology (Virology), Hokkaido University, Sapporo, Japan 1998
M. Sc. in Plant Pathology (Virology), University of the Philippines, Los Banos, Laguna 1983
B. S. A. Plant Pathology (Bacteriology), University of the Philippines, Los Banos, Laguna 1972

Fields of Specialization:
Plant Pathology
Bacteriology
Virology

Employment:
Assistant Scientist II, EPPD, IRRI, 1998 Ja - 1998 D-
Assistant Scientist, EPPD, IRRI, 1991 - 1997-
Senior Research Assistant, EPPD, IRRI, 1984 - 1990-
Research Assistant, EPPD, IRRI, 1975 - 1983-
Instructor, Department of Life Sciences, UPLB, 1972 - 1975-

Association Membership:
Member, Philippine Phytopathological Society
Member, IRRI Filipino Scientists Association (Formerly IRRI Junior Researcher Inc.)
Member, National Research Council of the Philippines (NRCP)

Honors / Awards:
Best Paper Award (co-author), Crop Science Society of the Philippines 2002 Ap 23-26
Excellence Award, IRRI 1999 D 10
Nominee, 1999 CGIAR Chairman’s Award for Outstanding Local Scientist, CGIAR 1999
Recipient of the Japan Society for the Promotion of Science Fellowship for Ph.D Dissertation Program, Japan Society 1994 Mr
Special Achievement Award, IRRI 1993 D
Special Achievement Award “For isolating strains of rice tungro bacilliform virus”, IRRI 1993 D

Best Poster Paper Award in Plant Pathology, Pest Management Council of the Philippines 1989 My

Outstanding Performance Award (1980 - 1985), IRRI 1985 D

1st Gintong Ani Award for Outstanding Performance as a Junior Researcher, IRRI Junior Researcher Association (JIR) 1986 F

Best Paper Award in Plant Pathology, Pest Management Council of the Philippines 1978 My

Trainings

Asian Rice Biotechnology Network Microarray and Bioinformatics Workshop, International Rice Research Institute 2001 D 3 - 7


Management Skills Program II, Mindbroker Corporation/IRRI, Fontana Resort and Country Club, Angeles, Pampanga 2000 Ag 16 - 18

Molecular characterization of rice tungro biological variants, Division Seminar, Entomology and Plant Pathology Division 1999 My

Knowledge-based tech on rice virus diseases & their app to rice tungro disease research & mgnt, IRRI (Grade level 7) Special Seminar 1999 F

Etiology and Strain Characterization of Rice Virus Diseases in the Philippines, Hokkaido University, Sapporo, Japan 1998 Ag

Molecular cloning & nucleotide sequencing of cDNAs of rice tungro spherical virus strains A & Vt6., Faculty of Agriculture, Hokkaido University, Sapporo, Japan 1997 Je - S

Molecular diagnosis and DNA sequencing of rice tungro bacilliform virus strains, National Agriculture Research Center, Tsukuba, Japan 1996 O

Radiation Safety Course, Philippine Nuclear Research Institute/IRRI 1996 F

Molecular analysis of rice tungro bacilliform virus strains, National Agriculture Research Center, Tsukuba, Japan 1994 S - N

"Oryza glaberrima, an Indicator Plant for Rice Tungro Viruses", Scientific Meeting of the Pest Management Council of the Philippines (PMCP) 1994 My

Molecular cloning and nucleotide sequencing of ds-RNAs of the Philippine isolate of rice dwarf virus, Faculty of Agriculture, Hokkaido University, Sapporo, Japan 1994 Je - S

Alternative Diagnostic methods for the Detection of Rice Tungro Viruses, Int Workshop On Rice Tungro Disease Management, Alor Setar, Malaysia 1993 N

Rice Dwarf, a New Virus Disease in the Philippines, 30th Annual Meeting of the Philippine Phytopathological Society (PPS), Cebu City 1993 My

Purification of rice orange leaf MLO and testing specificity of cDNA probes for RYD, JIRCAS, Tsukuba, Japan 1992 Ji - Ag

Technical Writing for IRRI Professional/Supervisory Research Personnel, Institute
of Development Communication, UPLB and HRD/IRRI 1992 Ap

Purification of rice yellow dwarf (RYD) MLO and application of cDNA probes for RYD detection, Japan International Research Center for Agricultural Sciences, (JIRCAS), Tsukuba, Japan 1991 N

Survey and identification of rice yellow mottle virus, IRRI Outreach Station, Antananarivo, Madagascar 1991 Ja - Mr

Molecular analysis of rice tungro bacilliform virus, National Institute of Agrobiological Research, Tsukuba, Japan 1989 O - 1990 Mr

Avidin-biotin ELISA for Sensitive Detection of Rice Tungro Viruses, 26th Annual Meeting of the PPS, Baguio City 1989 My

Application of monoclonal antibodies for the detection of rice grassy stunt virus, USDA, Beltsville, Maryland, USA 1988 Je


Isolation, Purification, and Serology of Rice Tungro-Associated Viruses, 24th Annual Meeting of the PPS, Davao City 1987 My

Application of Monoclonal Antibody on Serodiagnosis of Rice Grassy Stunt Virus, 23rd Annual Meeting of the PPS, Iloilo City 1986 My

Production and handling of monoclonal antibodies, American Type Culture Collection, Rockville, Maryland, USA 1985 S - O

Rice Grassy Stunt Virus 2: a New Strain of Rice Grassy Stunt in the Philippines, 21st Annual Meeting of the PPS, Los Banos, Laguna 1984 My

Purification and serology of rice grassy stunt virus, National Agriculture Research Center, Tsukuba, Japan 1983 Mr

RGSV2: A Strain of Rice Grassy Stunt Virus, IRRI Saturday Seminar IRRI 1983 Ag

An Unknown Disease of Rice Transmitted by Nilaparvata lugens in the Philippines, 19th Annual Meeting of the PPS, Baguio City 1982 My


"Rice Ragged Stunt Disease in the Philippines", 15th Annual Meeting of the PPS, Holiday Inn Hotel, Manila 1978 My

Researches

Different aspects of rice diseases caused by viruses and mycoplasma-like organism (MLO)

Virus/ vector interaction

Identification and characterization of rice viruses and their strains

Purification and serology of rice viruses

Development of protein/nucleic acid-based methods for virus/MLO detection
Molecular cloning and nucleotide sequencing of rice viruses
Studies on the mechanism of resistance to rice viruses
Screening for resistance to rice viruses
Studies on the genetic diversity of rice tungro viruses

Papers Presented


Cabauatan, P.Q. (1998). Etiology and strain characterization of rice virus diseases in the Philippines., Faculty of Agriculture, Hokkaido University, Sapporo, Japan..


International Congress of Plant Pathology, Montreal, Canada.


**Publications**

**2010**


**2009**


**2008**


Notes, 1994, 19(2):34.


1988 Cabauatan, P.Q., Hibino, H., Hsu, H.T. Dotblot immunoassay for detecting rice grassy stunt virus in infected tissues.. International Rice Research


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<th>Year</th>
<th>Authors</th>
<th>Title</th>
<th>Journal/Source</th>
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<tr>
<th>Name</th>
<th>Gayvelline Calacal</th>
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<td>Manila</td>
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<tr>
<td>Date of Birth</td>
<td>August 26, 1972</td>
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<tr>
<td>Gender</td>
<td>Male</td>
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<td>Civil Status</td>
<td>Single</td>
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<td>Home Address</td>
<td>42 Alfred St., Kingsville Subd., Antipolo City</td>
</tr>
</tbody>
</table>

**Organizational Affiliations**

University Researcher II, DNA Analysis Laboratory, NSRI, University of the Philippines, Diliman, Quezon City

**Education**

- MS in Microbiology, University of the Philippines, Diliman, Quezon City 2003
- B.S. Medical Technology, University of Santo Tomas, Manila 1993

**Fields of Specialization**

- Forensic DNA Analysis
- Population Genetics

**Employment**

- University Researcher II, DNA Analysis Laboratory, NSRI, 2009 N-
- University Research Associate II, DNA Analysis Laboratory, NSRI, 1998 Ja-
- University Research Associate I, University of the Philippines, Diliman, Quezon City, 1997 D-

**Association Membership**

- Member, Regional Asia DNA Profiling Group (REAFD)
- Member, Philippine Biosafety and Biosecurity Association, Inc. (PhBBA)
- Member, Philippine Society for Biochemistry and Molecular Biology (PSBMB)
- Member, Philippine Society for Microbiology (PMS)
- Member, Philippine Association of Medical Technologists (PAMET)

**Honors / Awards**

- Research in Forensic DNA Analysis (Grant), Philippine Council for Advanced Science Technology Research and Development, Department of Science 2001-2003
- Y-chromosomal DNA variation of a representative Filipino population, Grant awarded by the Natural Sciences Research Institute, University of the Philippines 2000-2001
- Determination of the Minimum Probability of Paternity in a Filipino Population, 2000-2002
- Validation of DNA Typing Procedures and Assessment of Genetic Relationships among Filipinos, 1999-2009
2009 Best Poster Award “Y-STR DNA Analysis of Vaginal Swab from Child Sexual Assault Victims”, Department of Chemistry Malaysia and Ministry of Science Technology and Innovation, Malaysia 2009

Best Poster Award (1st prize) "DNA Analysis Procedures for Human Remains Identification", Faculty of Medicine, Rattathibodi University, Thailand 2008

Best Poster Award (3rd prize) "Expansion of the Philippine Autosomal Short Tandem Repeat Reference D, Faculty of Medicine, Ramathibodi University, Thailand 2008

Best Poster Award "An efficient and cost-effective strategy for collecting, transporting and analyzi, Department of Chemistry Malaysia, Ministry of Science Technology and Innovation, Malaysia 2007

Finalist, Best Research Award for Young Scientist, Merck, Inc., University of the Philippines 2009

International Publication Awards "Allele frequencies for two pentanucleotide STR loci Penta D and Pe, University of the Philippines 2007

Gawad Chancellor Award for Pinakamahusay na Nilathalang Pananaliksik, University of the Philippines 2005

Gawad Chancellor Award for Outstanding REPS (Research Category), University of the Philippines 2007

Trainings

International Symposium on Forensic Science and Environmental Health, Kuala Lumpur, Malaysia 2009 N 9-11

International Symposium of Forensic Science and Environmental Health, Kuala Lumpur, Malaysia 2009 N 11-12


4th Annual Asia-Pacific Biosafety Pre-Conference Workshop "Effective Biosafety Committee", Hyatt Hotel, Manila 2009 Ap 28

4th Annual Asia-Pacific Biosafety Pre-Conference "Biosecurity", Hyatt Hotel, Manila, Philippines 2009 Ap 27

Paternity Testing Workshop, Renaissance Hotel, Hollywood, USA 2008 O 2

Interpretations and Statistics for Y-STR Analysis, Pullman Hotels and Resorts, Bangkok, Thailand 2008 N 9

International DNA Analysis Symposium: Towards International Quality, Pullman Hotels and Resorts, Bangkok, Thailand 2008 N 10-11

Forensic DNA Analysis for Science, Technology and Society Lecture Series, College of Science Auditorium, University of the Philippines, Diliman, Quezon City 2008 Ja 4 /2008 My

Upgrading for Chemistry in Higher Education: Course 4: Molecular Biochemistry, University of the Philippine, Diliman, Quezon City 2007 O 23

National Chemistry Week, Scientist as SuperSleuths: A Symposium on Forensic, Ateneo De Manila University, Quezon City 2007 F 21

Incorporating DNA Evidence in the Resolution of Sexual Assault Cases in the
Philippines, University of the Philippines, Diliman Quezon City 2006 Jl 4-6
9th Philippine Linguistics Congress, University of the Philippines, Diliman, Quezon Philippines 2006 Ja 25-26


Seminar on Bioinformatics: A Key to Greater Possibilities, SEARCA, Los Banos Laguna 2006 D14
Biotechnology: Magic in the Realm of Reality, National Youth Science, Technology and Environment Summer Camp, Cebu City 2005 My 16-21

Forensic and Legal Applications of DNA Technology, NISMED Auditorium, University of the Philippines Diliman, Quezon City 2005 Mr 11-12 /17-18

Annual Scientific Meeting of the National Academy of Science and Technology (Philippines), Manila Hotel, Manila, Philippines 2005 Jl 13-14


Annual Meeting of the Philippine Society for Molecular Biology and Biotechnology. "Biochemistry of, Ateneo de Manila University, Diliman Quezon City 2005 D 1-2

Laboratory Procedures: Essential Elements of Good Laboratory Practice, Integrated Chemist of the Philippines & Institute of Chemistry, NIA Quezon City 2005 Ag 8

INPALMS pre-congress Satellite Meeting with the theme Current Status of Forensic DNA Analysis in the, NSRI, UPD, Quezon City 2004 S

Use of DNA Evidence in Criminal Trials and Implications on Capital Appeal Cases, Great Eastern Hotel, (Organized by the Free Legal Assistance Group) 2004 N 26

Annual National Academy of Science and Technology Congress, Manila Hotel, Philippines 2004 Jl 15

Training and Synthesis of Taq enzyme using bacterial clones, IRRI, Laguna 2004 Jl

Laboratory Visit at the National Forensic Science and Technology Center, Largo, Florida, USA 2004 Je 14

33rd Annual Convention and Scientific Meeting of the Philippine Society for Microbiology Biotechnol, Heritage Hotel, Pasay City 2004 Ap 28-30

Symposium on Microbes in Food Health and Politics, Philippine Society for Microbiology, Pasig City 2003 S 27

Seminar on Biological and Chemical Safety, NSRI, University of the Philippines, Diliman Quezon City 2003 N 19

Seminar on ISO/IEC. The Standard for Laboratory Competence, UPD 2003 Jl 29-30

Training on MS Office Applications, University of the Philippines, Diliman, Quezon City 2002 Mr

Technology Transfer Course, Gessellschaft filr Biotechnologie Forschung (GBF). Braunschweig, Germany 2001 O
International Management Training, Carlfnrisberg, Gesselschaft V. (CDG). Cologne, Germany 2001 N

Introduction to Industrial Biotechnology (Lectures, Seminars, Biotech Companies Visits), Gessellschaft fUr Biotechnologie Forschung. OBF GBF, Rauschweier, Germany 2001 Ap

National Symposium on DNA Analysis in the Administration of Justice, Malcolm Theater University Of the Philippines, Diliman 2000 D

Training Course on Random Amplified Polymorphic, University of the Philippines, Diliman, Quezon City 1999 Ap 26-28

Training Course 011 "DNA-based Detection of Pathogens in, University of the Philippines, Diliman, Quezon City 1998 S 22-25

Training Course on Random Amplified Polymorphic DNA, University of the Philippines, Diliman, Quezon City 1998 O 12-13

Training Course on Forensic DNA Analysis for Royal Thai Police (NSRI), University of the Philippines, Diliman, Quezon City 1998 Je 1-5

Researches

Completed

International Federation of Red Cross-Management of the Dead, Identification of mass disaster victims

Papers Presented


Calacal, GC, Salvador JM, Tabbada KA, Franco SAEEL and De Ungria MCA (2008 Jl 9-10). Validation of mitochondria DNA typing of human bone samples for forensic application, 30th Annual Scientific Meeting of the National Academy of Science and Technology (Philippines). Manila Hotel, Manila, Philippines.

Science and Technology (Philippines) Manila Hotel, Manila, Philippines.


Calacal, G.V. (). Using the DNA Collection Kit for Paternity and Maternity Cases, 44th Annual Conference of the PAMET, SMX Convention Center, SM Mall of Asia, Pasay City.

**Publications**


Name: Alvin R. Caparanga
Place of Birth: Buhi, Camarines Sur
Date of Birth: August 28, 1970
Gender: Male
Civil Status: Single
Home Address: Block 9 Lot 35 Whispering Palms Subd., Llano, Caloocan City

Organizational Affiliations
Subject Chair, Chemical Engineering, School of Chemical Engineering and Chemistry, Mapua Institute of Technology Intramuros, Manila
Subject Chair, Chemical Engineering, School of Chemical Engineering and Chemistry, Mapua Institute of Technology Intramuros, Manila

Education
Ph.D. in Environmental Engineering, Mapua Institute of Technology, Intramuros, Manila, Philippines 2008
Master of Science and Chemical Engineering, University of the Philippine Diliman, Quezon City 1996 Ap
BS in Chemical Engineering, Mapua Institute of Technology, Intramuros, Manila 1991 N

Fields of Specialization
Polymer recycling
Freeze concentration for environmental application
Chemical Thermodynamics/
Siosorption
Engineering

Employment
Production Leader / Supervisor, Polymerization Sec./PENTAX (Asahi Optical Cavite Phils. Corp., Gateway Bus. Park, G. Trias, Cavite, 1992 Je - 1994 Ja-
Subj. Chair, Chemical Engineering, School of Chemical Engineering and Chemistry Mapua Institute of Technology Intramuros, Manila, 2003 Ap - 2008 S-
Post-doctoral Research Associate, Thermodynamics Laboratory Department of Chemical Engineering, Chung Yuan Christian University, 2008 S - 2009 Ag-
Research Coordinator / Research Head, School of Chemical Engineering and Chemistry, Mapua Institute of Technology Intramuros, Manila, 2000 Ap - 2003 Mr-

Association Membership
Founding Member, Philippine Institute of Chemical Engineers - Metro Manila Academe Chapter
Board of director, Philippine Institute of Chemical Engineers - Metro Manila Academe Chapter
Auditor, Philippine Institute of Chemical Engineers - Metro Manila Academe Chapter

Honors / Awards

Outstanding Faculty of Chemical Engineering/ Chemistry, Mapua Institute of Technology 2002

Outstanding Young Scientist Award, NAST-DOST 2009

Trainings

Regional Symp. on Chemical Engineering: "Chemical Engineering at the Forefront of Global Challenge", Manila Hotel, Manila, Philippines 2009 Ja 22-23

1st Regional Conference on Chemical Engineering: Collaborative Research and Development in Chem.Eng, Century Park Hotel, Manila, Philippine 2009 D1-2

2008 Joint Taiwan/Korea/Japan Chemical Engineering Conference and 55th Annual Conference of Taiwan I, Tatung University, Taipei, Taiwan 2008 N 20-22

69th Annual Convention of Philippine Institute of Chemical Engineers, Cebu City 2008 F 27- Mr 1

Researches

Completed

Kinetics of absorption of carbon dioxide in AMP + MDEA + water

Equilibrium solubility of carbon dioxide in 2-amino-2-methyl-1-propanol:+ piperazine + water

Diffusion coefficients of aqueous ionic liquids from electrolytic conductivity data

Sorption of Cr(IV on Sargassum ilicifolium-chitosan admix

A simpl approach to predict molarheat capacity of ionic liquids using group additivity analysis

Papers Presented


Publications


2009 Caparanga, A.R., Basilia, B.A., Dagbay, K.B., Salvacion, J.W.L. Factors affecting degradation of polyethylene terephthalate (PET) during pre-flotation


Berdan, H.F., Caparanga, A.R., Dagbay, K.B. Sorption of Cr(IV) on Sargassum ilicifolium - chitosan admix. (manuscript in preparation),.
Yolina Tarranco Castaneto

Place of Birth: Alabat, Quezon
Date of Birth: February 16, 1961
Gender: Female
Civil Status: Married

Organizational Affiliations
Associate Professor V and Dean, College of Forestry, Nueva Viscaya State University, Don Mariano Perez Bayombong, 3700 Nueva Vizcaya

Education
Ph.D. in Forestry, University of the Philippines at Los Baños, Laguna 1997

Fields of Specialization
Forestry: SFI (Tree Improvement)
Agriculture and Forestry

Association Membership
Member, National Research Council of the Philippines

Honors / Awards
Plaque of Recognition, Most Outstanding Teacher SY 2003-2004, NVSU Recognition Day 2004
Plaque of Recognition for 2nd Best Techno Board, CVARRD 15th Regional Symposium for Research and Developments Highlights for CY 2003 2003
Plaque of Recognition for 3rd Best Paper for Technology, CVARRD 15th Regional Symposium for Research and Developments Highlights for CY 2003 2003
Award of Recognition, 1st Best Paper for Technology, Sectoral Integrated R&D/E Review for Forestry, Environment and Natural Resources, CVARRD Echague 2004
Award of Recognition, 3rd Best Paper for Technology, 16th Regional Symposium on R and D/E Highlights 2004

Trainings
NVSU Agency Inhouse Review, NVSU Mini-theater, Bayombong, Nueva Ecija 2005 Jl 27-28
Regional Sectoral R and D Review for Forestry, Environment and Natural Resources, ISU CVARRD Complex- 2004 Jl 27
CVARRD Regional Sectoral Integrated R & D Review for Forestry, Environment and Natural Resources, Claveria, Cagayan 2003 Jl 15-16
12th International Conference in BIO-REFOR, Gadjah Mada University, Jakarta, Indonesia 2003 D 15-18

CVARRD 15th Regional Symposium for Research and Development Highlights for CY 2003, Carig, Tuguegarao City 2003 Ag 26-27

Researches

Completed

Rooting of molave (Vitex parviflora Juss.) stem cuttings using non-aerated hydrophonics.

Fertilization of macropropagated ipil (Intsia bijuga Colebr.) in the nursery.

Macropropagation of guijo (Shorea guiso (Blanco) Blume) using stem cuttings.

On-going

Growth and survival of Jatropha curcas applied with different levels of vermicompost in the nursery

Project Leader. Establishment of arboretum for conservation of forest genetic resources. NVSU.

Study Leader. Macropropagation of ipil (Intsia bijuga Colebr.) using hydroponics. NVSU.

Project Leader. Nursery and field performance of two indigenous species Saurauia subglabra (Dagwey) and Embelia philippinensis (Dikay). NVSU.

Study Leader. Growth of Dikay (Umbella philippinensis A.D.C.) cuttings to various rooting media. NVSU.

Study Leader. Establishment of clonally propagated Dipterocarp plantation. NVSU.

Growth of pechay (Brassica pekinensis) applied with different levels of vermitea

Growth of pechay (Brassica pekinensis) applied with different amount of Vermicompost

Nursery trials on mahogany (Swietenia macrophylla) and Gmelina (Gmelina arborea) using mushroom spent mixed in potting media

Establishment of clonally propagated dipterocarp plantation

Growth of dikay (Umbella philippinensis A.D.C.) cuttings to various rooting media

Macropropagation of ipil (Intsia bijuga Colebr.) using hydroponics

Establishment of arboretum for conservation of forest genetic resources

Nursery and field performance of two indigenous species Saurauia subglabra (Dagwey) and Embelia philippinensis (Dikay)

Ongoing

Nursery trials of Mahogany (Swietenia macrophylla) and Gmelina (Gmelina arborea) using mushroom spent mixed in potting media.

Papers Presented


Castaneto, Y.T. (2005 Jl 27-28). Effects of different rooting media and levels of
indolebutyric acid on macropropagated guiso (Shorea guiso), NVSU Agency Inhouse Review, NVSU Mini-theater, Bayombong, Nueva Ecija.


Publications


2006 Castaneto, Y.T. Organic fertilizer application of Lubeg (Syzygium lineatum (Roxb.) Merr. and Perry) in the nursery. NVSU Research Journal ISSN 1908-3327, 2006, 13(1).


Name: Gil A. Cauyan  
Date of Birth: 1952  
Gender: Male  
Civil Status: Single  
Home Address: # 51- Magat Salamat St. Project 4, Quezon City

Organizational Affiliations
- Associate Professor and Resident Researcher, College of Science and Research Center for the Natural Sciences, University of Santo Tomas, Espana, Manila
- Researcher, Research Center for the Natural Sciences, UST, Manila
- Associate Professor, Department of Chemistry, Research Center for Natural Sciences, UST, Manila

Education
- Diplomate in Applied Parasitology and Entomology (DAPE), University of Malaya, Kuala Lumpur, Malaysia 1980
- M.S. in Parasitology, University of the Philippines, Manila 1977
- B.S., University of the Philippines, Manila 1974

Fields of Specialization
- Biological Sciences
- Animal Parasitology
- Soil transmitted Helminthiases in the Philippines
- Antihelminthic Potential of Some Local Philippine Plants
- Molecular Studies on Philippine Cryptosporidiasis and Amoebiasis.

Employment
- Consultant (Filariasis), Dept. of Health, Manila, 2006-
- Technical Consultant, Office of the Community Development on Intestinal Parasitism, -

Association Membership
- Member, BIOTA
- Member, National Research Council of the Philippines (NRCP)

Honors / Awards
- JICA Fellow, Obihiro University, Research Center for Protozoan Molecular Immunology, Hokkaido, Japan
- JSPS Fellow, Nagasaki University, Research Center for Tropical Medicine, Nagasaki, Japan 1996-1997
- JICA Fellow, Obihiro University, Research Center for Protozoan Molecular Immunology
Molecular Studies on Philippine Cryptosporidiasis and Amoebiasis,
Soil transmitted Helminthiases in the Philippines,
Antihelminthic Potential of Some Local Philippine Plants,

Trainings
National BIOTA (Biology Teachers Association of the Philippines) Convention and Workshop, Ateneo de Zamboanga, Zamboanga City 2006 Mr 5-8
S&T Undergraduate Research Colloquium, UST College of Science, Faculty of Pharmacy, and Faculty of Engineering, University of Santo Tomas, 2006

Researches

Completed
A simplified no-centrifugation method of DNA extraction from various plant
In-vitro efficacy of the crude shoot and flower extract of Vernonia cinerea (Asteraceae) against the cow tick Boophilus microplus
Anthelmintic effect of garlic (Allium sativum) bulb extract on Ascaris suum eggs, larvae and adult worms
In-vitro efficacy of the leaves of Vernonia cinerea (Asteracea) against the adult, eggs and larvae of the pinworm, Enterobius vermicularis
Determination of intestinal parasites common to man and its relation to the patterns of sanitary measures in three barangays in Maragondon, Cavite
Biochemical characterization of DNA: color reaction test for the presence of phosphate, deoxyribose, purines and pyrimidines
Anthelmintic effect of allium sativum (Garlic) bulb extracts on ascaris suum adult worms and eggs
Anthelmintic potential of the bark and flowers of vernonia cineria against fasciola hepatica Linn. Adult Worm
Nematocidal effect of the crude extract of vernonia cineria (Asteracea) on adult toxocara canis
Anthelmintic potential of Vernonia species against parasite round worms and protozoa
In-vivo Assessment of the anthelmintic property of coleus amboinicus in chicken infected with ascaridia galli
Biochemical characterization of DNA

On-going
In-vitro efficacy of the leaves of vernonia cinerea (Asteracea) against the adult lung fluke, paragonimus westermani
In-vitro nematocidal activity of the crude leaf extract of Vernonina cinerea (asteraceae) against the intestinal parasites of the aetas in Bamban, Tarlac, Philippines

Papers Presented


Publications


2000 Cauyan, G.A., Omata, Y., Saito, A. Cryptosporidium parvum: Humoral Immune


Name: Gina R. Dedeles  
Gender: Female  
Civil Status: Single  

Organizational Affiliations  
Assistant Professor III, Department of Biological Sciences, College of Science, University of Santo Tomas, España, Manila 1015  
Business Manager, Philippine Society for Microbiology, Inc (PSM), 2009-2010,  
Board Member, Philippine Network of Microbial Culture Collections, Inc (PNMCC), 2007-2009,  

Fields of Specialization  
Chemistry  
Biological Sciences  
Environmental Sciences  

Association Membership  
Member, Philippine Society of Lactic Acid Bacteria Inc (PSLAB)  
Member, Natural Products Society of the Philippines Inc (NPSP)  
Associate Member, National Research Council of the Philippines (NRCP)  
Member, Biology Teachers Association (BIOTA) Philippines  

Honors / Awards  
3rd Prize, Poster Exhibit Competition, Science Week, College of Science, UST 2004 F 9-13  
Short Term Research Grant awarded by JASSO, Hokkaido University, Sapporo, Japan 2007 N-2008 F  
Travel Grant for Paper Presentation, Baltimore, Maryland, USA, Commission on Higher Education (CHED) 2007 My 7-10  
Short-term Scholarship Training, National Science Council, Taiwan 2009 Jl 5-11  
Short-term Research Grant (Hokkaido University, Sapporo, Japan), Japanese Student Services Organization (JASSO) 2007 N- 2008 F  
1st Prize, Microbiology Poster Exhibit Competition, Science Week, College of Science, UST 2007 F 5-9  
Best Workshop Presenter, 41st National BIOTA Convention and Scientific Sessions, Zamboanga City 2006 Ap 6-8  

Trainings  
8th Philippine Society for Microbiology Annual Convention and Scientific Meeting, Hyatt Hotel and Casino, Manila 2009 My 14-15
Comparative Biogeography of Key Freshwater and Marine Species Between Taiwan and Philippines, National Science Council, Taiwan 2009 Jl 5-11

MicroWeek 2008, Blas Hall, College of Science, UST, Manila (UST Microbiology Society) 2008 D 10

9th International In-Stu and On-site Bioremediation Symposium, Battelle, Baltimore, Maryland, USA 2007 My 7-10

International Seminar-Workshop on Integrated Water Resources Management (Sponsored by DAAD and SURED, University of the Philippines, Diliman, Quezon City 2006

Purification and Characterization of Protoporphyrinase from Pseudomonas azelaica YA-1 Biotechnology, JSPS-NRCT/DOST/LIPI/VCC Joint Seminar 2001

Biotechnology for Sustainable Utilization of Biological Resources in the Tropics JSPS-NRCT/DOST/LIP, Bangkok, Thailand 2001

8th Joint Saudi-Japanese Lecture Series on Biotechnology, King Abdulaziz City for Science and Technology, Riyadh, Saudi Arabia 2000

Researches

Completed
The Abilities of White-Rot Fungi, Phanerochaete chrysosporium and Coriolus versicolor to Decolorize Distillery Slops

Isolation, Characterization and Identification of Toluene Degrading Bacteria from Gasoline Contaminated Soil and Water

Ongoing
Molecular Cloning of Manganese Peroxidase from Ganoderma Species for the In Situ Treatment of Distillery Slops

Biosorption of Lead using Lyngbya Species Isolated from Pond Water

Comparison of Abilities of White-Rot Fungi to Decolourize Distillery Slops

Identification and Characterization of NIPPS-Degrading Microorganisms from Oil-Contaminated Soils

Papers Presented
Dedeles, G.R. (2009 Mr 11). Color Reduction of Molasses Wastewater by Ganoderma lucidum, 76th NRCP General Membership Assembly, Polkabal-Rigodon Hall, Manila Hotel Organized by the National Research Council of the Philippines (NRCP)

Dedeles, G., Cordero, P., Eugenio, C., Dabu, I., Entico, J. (2007 My 7-10). Decolorizing Ability of Local Fungal Isolates on Distillery Slops, 9th International In Situ and On-Site Bioremediation Symposium, Battelle, Baltimore, Maryland, USA.


Publications


Thomas Edison E. Dela Cruz

Palayan City, Nueva Ecija

July 28, 1975

Male

Single

6 Mayaman St., UP Village, Quezon City 1101

Professor I, Dept. of Biological Sciences, College of Science, UST, Manila

Associate Professorial Lecturer 2, The Graduate School, University of Santo Tomas, España 1015, Manila, Philippines

Associate Professor 2, Dept. of Biological Science, UST, Manila

Non-degree Certificate: Online Teaching and Learning, University of the Philippines Open University, Laguna, Philippines 2010

Doctor of Natural Sciences (Dr. Rer.Nat.), University of Braunschweig, Braunschweig, Germany 2006

Diploma in Science Teaching major in Biology, University of the Philippines Open University, Laguna, Philippines 2003

M.Sc. in Biological Sciences, University of Santo Tomas, España, Manila 1999

B.S. in Microbiology, University of Santo Tomas, Manila, Philippines 1996

Fungal Systematics

Biological Sciences

Ecophysiology

Mycology

Associate Professorial Lecturer 1, The Graduate School, University of Santo Tomas, Manila, Philippines, 2006 N-2009 My-

Assistant Professor 2, Dept. of Biological Science, College of Science, University of Santo Tomas, Manila, 2002 Je-2006 O-

Instructor 4, Dept. of Biological Science, College of Science, UST, Manila, 1999 N-2002 My-

Instructor 1, Dept. of Biological Sciences, College of Science, UST, Manila, 1998 Je-1999 O-

Regular Member, National Research Council of the Philippines

Registered Microbiologist, Philippine Academy of Microbiology (PAM)
Diplomate in Microbiology, Philippine Academy of Microbiology (PAM)
Specialist Microbiologist, Philippine Academy of Microbiology (PAM)
International Member, Mycological Society of Japan
Founding Member, International Society for Fungal Conservation (ISFC)
Regular Member, American Society for Microbiology
Student Member, British Mycological Society (BMS)
Regular Member, British Mycological Society (BMS)
Associate Member, National Research Council of the Philippines

Honors / Awards

Outstanding Young Scientist Award, NAST-DOST 2012
Best Poster Presentation, Philippine Network of Microbial Culture Collection, Inc., 9th Annual Symposium and General Assembly, De la Salle University, Manila 2009 N 21
Best Poster Presentation (City U - Molitoris Scholarship for Marine Mycology), 11th International Marine and Freshwater Mycology Symposium, Taichung, Taiwan 2009 N 15-19
Recipient, Martin - Baker Research Award, Mycological Society of America, USA 2009 Ju
Best Poster Award, Association of Systematic Biologists of the Philippines, 27th Annual Scientific Conference, National Museum, Manila 2009 My 29-30
Best Paper Presentation, 11th Mycological Society of the Philippines (MSP) Annual Scientific Meeting and Symposium 2009 Ap 29
Best Poster Award (3rd Prize, Cluster III), General Membership Assembly of the National Research Council of the Philippines (NRCP) 2009 Mr 11
Best Research Award - Science and Technology, Gawad San Alberto Magno awarded in UST 2009 F 27
Best Poster Presentation (City U - Molitoris Prize for Marine Mycology), 9th International Marine and Freshwater Mycology Symposium, Chiang Mai, Thailand 2004 N 14-19
Best Paper Presentation, Mycological Society of the Philippines (MSP) Annual Scientific Meeting
Best Paper Presentation (Professional Level), Philippine Society for Microbiology (PSM) Annual
Best Paper Presentation, 12th Mycological Society of the Philippines (MSP) Annual Scientific Meeting
Best Poster Award (2nd Place), 12th Mycological Society of the Philippines (MSP) Annual Scientific Meeting, Philippine Network of M
Best Poster Presentation, Philippine Network of Microbial Culture Collection, Inc., (PNMCC)
Best Poster Award, Association of Systematic Biologists of the Philippines (ASBP) Annual Scientific Meeting
Outstanding Researcher (Natatanging Mananaliksik) - Science and Technology (Gawad San Alberto Magno), UST 2010 Mr 10

University of Santo Tomas Silver Series 2000-2002, LIST 2003 F 27

Trainings

A Survey of Cellular slime Molds (dictyostelids) in Lubang Island, Occidental Mindoro, Philippines., Hotel Villa Rica, Recife, Brazil 2011 S 09-16

Asian Mycology Congress 2011 & 12th International Marine and Freshwater Mycology Symposium, University of Incheon Convention Center, Incheon, South Korea 2011 Ag 7-11

Diversity and biobleaching potential of foliicolous fungi from decaying leaves of Philippine mangro, University of Incheon Convention Center, Incheon, South Korea 2011 Ag 7-11

SM-Visayas Regional Chapter Annual Convention, Punta Villa Hotel and Resort, Iloilo City 2009 O 22-23

Marine Fungi: Their Diversity and Unseen Potential dela Cruz., T.E.E., PSM-Visayas Regional Chapter Annual Convention, Punta Villa Hotel and Resort, Iloilo City 2009 O 22-23

Asian Mycology Congress 2009 & 11th International Marine and Freshwater Mycology Symposium, National Museum of Natural Science, Taichung, Taiwan 2009 N 15-19


1st ASIAHORCs Symposium on Biodiversity, Nagoya University, Nagoya, Aichi, Japan 2009 JI 18-20

14th Annual Convention, Philippine Sino-Center for Agricultural Technology, Munoz City, Philippines 2009 D 03-04

11th Mycological Society of the Philippines (MSP) Annual Scientific Meeting and Symposium, Cavite State University 2009 A 29

Researches

Completed

Dye decolorization activities by locally isolated marine fungi from Manila Bay

Isolation and characterization of marine yeasts from selected substrates collected in Calatagan, Batangas

Biosorption of mercury by Oendryphiel/a salina from Mediterranean Sea. Acta Manilana

Corticolous myxomycetes associated with Samanea saman collected from different sites in Luzon island,

On-going

Biodiversity, systematics, biological activities and bioremediation potential of marine mangrove fungi collected from Luzon Island, Philippines

Phylogenetic relationship, biological activities and biosorption potential of fruticose

61
lichens collected from selected national parks in the Philippines

Biodiversity, systematics and biological activities of marine fungi associated with seagrasses and seaweeds collected from Luzon Island, Philippines

Biodiversity, population distribution and systematics of plasmodial and cellular myxomycetes (slime molds) from selected terrestrial montane forest ecosystems and geographically isolated island sites in Luzon Island, Philippines

Papers Presented

dela Cruz, T.E.E. (2011 N 10). Mangrove fungal leaf endophytes: sources of bioactive secondary metabolites and extracellular enzymes, University of Arkansas, Fayetteville, Arkansas, USA.


dela Cruz, T.E.E. (2009 O 28). Workshop on Exploring our Microbes: Discoveries and Application - a lecture and hands-on training for high school students Techniques, Renaissance School of Science and Technology, Morong, Rizal.


Borricano, J.N.C., Canal, J.N., Marcelo, D.N.A., Perez, M.C.P., Santiago, K.A.A., dela Cruz, T.E. (2009 Mr 11). Antibacterial activities and secondary metabolic profiles of fruticose lichens collected from different sites in Luzon Island,
Philippines, 76th General Membership Assembly of the National Research Council of the Philippines, Manila Hotel, Manila.


Publications


2011 dela Cruz, T.E., Macabago, S.A. In Vitro Culture and Enzyme Production of Plasmodial Myxomycetes (Slime molds) Collected from Lubang Island, Occidental Mindoro. Transactions of the National Academy of Science and Technology (Abstract of Papers), 2011 Jl13-14, 33(1).


2009 Montano, G.L, Chan, J.S., Jarabelo, R.E., Pastor, A.B.I., dela Cruz,


2009 dela Cruz, T.E., Canal, J.N. Fruticose Lichens from Selected Sites in Luzon Islands as Sources of Biologically Active Lichens Acids. Transactions of the National Academy of Science and Technology. Abstracts of Papers, 2009, 31(1).


Name: Maria Natalia R. Dimaano  
Gender: Female  
Civil Status: Single  

**Organizational Affiliations**

Associate Professor 3, Materials science and Chemical Engineering Laboratory, Research Center for the Natural Sciences, University of Santo Tomas, España, Manila

**Education**

D. Engineering, 

**Fields of Specialization**

- Biodiesel and Alternative Fuels
- Materials Science and Engineering
- Thermal Energy Storage for Cooling Application

**Trainings**

- 13th International Student Seminar on Transport Research (ISSOT) Symposium, International Associates, Chiba, Japan 2007 N 20
- 74th NRCP Annual Meeting: Crossing Disciplinary Boundaries for National Development - Scientific Pos, Polkabal-Rigodon Hall, Manila Hotel, Manila 2007 Mr 8
- 2007 PIChE - MMAC Research Colloquium, Engineering Conference Hall, UST, Manila, Philippines 2007 Ja 12
- DOST-JSPS-PRF S&T Workshop, SEAFDEC, Miag-ao, Iloilo 2007 D 19

**Researches**

**Completed**

- Thermal performance characterization of capric acid and lauric acid mixture for low temperature thermal energy storage
- Vitrification of steel slag and waste glass and its subsequent transformation to glass ceramics
- Preliminary investigation of phase change materials for solar energy storage in semiconducting materials: Review of possible composites
- Investigation of esterified arachis hypogaea (Peanut oil) as potential biodiesel fuel source
- The solidification behavior of phase change material for Low-temperature energy storage
- Transient behavior of the C-L acid for thermal energy storage

**On-going**

- Extraction and methylation of non-edible plant seed oils for biofuel production
- Practical investigation on the employment of C-L acid as storage material for
residential and industrial cooling: effectiveness of capric-lauric acid impregnated in gypsum wallboard for thermal cooling

Design of a small-scale non-conventional air-cooling system employing the capric and lauric acid system

Development of plant-based materials as alternative fuels for two stroke and possibly for four stroke engines: Characterization of coco methyl ester (CME) with castor oil as an alternative to 2T oil

Practical investigation on the employment of C-L acid as storage material for residential and industrial cooling: Design employing capric and lauric acid mixture as phase change material for process cooling

Development of plant-based materials as alternative fuel for two stroke and possibly for four stroke engines: Corn oil methyl ester as fuel for diesel engines

Development of composites and nanocomposites from waste and beneficiated materials

Jatropha curcas (tubang bakod) oil for biodiesel production

Gypsum wallboard impregnated with pentadecane as a construction material for low temperature energy storage application

Ongoing

Transesterification and smoke emission testing of glycine max (Soybean oil) as potential biodiesel fuel source

Beneficiation of Jatropha Curcas (Tubang Bakod) meal as fertilizer

Papers Presented


Publications


Name: Wilfredo Jr. Arellano Dumale

Place of Birth: San Jose City, Nueva Ecija

Date of Birth: Nov. 27, 1973

Gender: Male

Civil Status: Single

Home Address: 25B Sta. Rosa St., Sta Rosa Bayombong, Nueva Viscaya 3700 Philippines

Organizational Affiliations
- Assistant Professor II, Dept. of Plant Science, College of Agriculture, Nueva Viscaya State University, Bayombong, Nueva Viscaya
- Editorial Board Member, E-International Scientific Research Journal (EISRJC)
- Editorial Board Member, Open Journal of Soil (OJSS), http://www.scirp.org/journal/ojss
- Presidential Assistant for External Affairs, Nueva Viscaya State University, Bayombong, Nueva Viscaya

Education
- Ph.D. in Biological and Environmental Engineering, The University of Tokyo, Japan 2009 Mr
- M.S. in Soil Science, Central Luzon State University, Science City of Munoz 2003
- B.S. Agriculture, Central Luzon State University, Science City of Munoz 1994

Fields of Specialization
- Cycling of stable and active soil organic carbon (SOC) in agricultural soils and their contribution to global atmospheric CO2
- Printing effect of artificially - applied organic matter (SOC)
- Influence of Applied lime on CO2 evolution and SOC Cycling in acid agricultural soils

Employment
- Post Doctoral Researcher, Dept. of Biological and Environmental Engineering, University of Tokyo, Japan, 2010 N-2011 O-
- Assistant Professor II, Dept. of Plant Science, College of Agriculture, NVSU, Bayombong, Nueva Viscaya, 2010 Ja- present-
- Presidential Assistant for External Affairs, Nueva Viscaya State University, Bayombong, Nueva Viscaya, -
- Instructor 1, Dept. of Soil Science, College of Agriculture NVSU, Bayombong, Nueva Viscaya, 2004 je-2009 D-
- Science Research Specialist I Research Program, Nueva Viscaya State Institute of Technology, 1997 N- 2004 Je-
- Researcher, Farm Frsh Philippines International, Inc, 1995-F-1997 O-
Science Research Specialist I (Research Program), Agronomy, Soils and Plant Physiology Division, PRRI, 1994 Je-1995 F-

**Association Membership**

Member, Geochemical Society (GS) http://www.geochemsoc.org/

Member, PCARRD Scholars Association, Inc. (PSAI)

Member, Philippine Association of Japan Ministry of Education Scholars (PHILAMJAMES)

Member, Philippine Society of Soil Science and Technology (PSSST)

Member, Philippine Association of Agriculturist (PAA)

Associate member, National Research Council of the Philippines (NRCP)

Member, Asian Educational Research Association (AERA) http://www.aerassociation.com/

Member, Japan Geoscience Union (JpGU) http://www.jpgu.org/index_.html

**Honors / Awards**

Achievement Award, Central Luzon State University Alumni Association, Inc. (CLSUAII) 2010

Best Research Paper for Agricultural Resources Management, Cagayan Valley Agriculture and Resource Research and Development (CVARDD, Isabela State University), 2004

Merit Award, 5th Place in the 2003 Licensure Examination for Agriculturists (LEA)(86.83% Rating), Board of Agriculture, Professional Regulation Commission (PRC) 2003


Cum Laude, BS in Agriculture, Major in Soil Science, CLSU 1994

Distinguished Alumnus in the Field of Agricultural Research and Tertiary Education, Constancio Padilla National High School Alumni Federation, Inc., San Jose Nueva Ecija 2011

**Trainings**

Goldschmidt 2011 Scientific Meeting: Earth, Life and Fire (Poster Presenter), Kongresove Centrum, Prague, Prague, Czech Republic 2011 Ag 13-19

Goldschmidt 2010 Scientific Meeting: Earth, Life and the Environment (Poster Presenter), Knoxville International Convention Center, Knoxville, Tennessee, USA 2010 Je 13-18

Japan Geoscience Union (JpGU) Meeting, Makuhari Messe International Conference Hall, Mihama-ku, Chiba Prefecture, Japan 2009 My 16-21

2008 Western Pacific Geophysics Conference of the American Geophysical Union (AGU) (Poster Presenter, Cairns International Convention Center, Cairns, Queensland, Australia 2008 Jl 29-2008 Ag 1

**Researches**

**Completed**

Yield potential of Tropaquepts and Ustifluvents
Effect of a Ammonium Nitrogen level and frequency of Application on the Growth and Yield of Chinese Cabbage (Brassica campestris var. Pekinensis Rupr.)

Sustainability assessment of land utilization types in Malabing, Kasibu, Nueva Viscaya, Philippines

Land use evaluation of Bangan Hill National Park

Dynamics of turnover of active-biological and stable-mineralogical soil organic carbon resulting in CO2 evolution

CO2 evolution and 12 C and 13 C turn over from soil organic carbon in acid soils applied with lime

Ongoing

Ecological and genetic risk analyses of fish kill outbreaks in tilapia aquaculture in Pampanga through establishment of comprehensive environmental geo-reference database

Publications


Name: Florentina S. Dumlao
Gender: Female
Civil Status: Married
Home Address: DMMMSU, Bacnotan 2515 La Union
Organizational Affiliations: Professor VI, DMMSU, Bacnotan, La Union

Education: Ph.D. in Extension Education, DMMSU, La Union 1991

Fields of Specialization:
- Agriculture and Forestry
- Agricultural Economics and Rural Development
- Extension Education

Association Membership:
- Member, National Research Council of the Philippines (NRCP)

Honors / Awards:
- 2nd Place Best Paper, UNP 2003 My 29
- 3rd Place Best Paper Award, UNP 2003 Ag 07-08
- Presidential Commendation as Coordinator, PAEPI 2003 O 23
- Presidential Commendation for Resource Generations Efforts, 2003 O 23
- Plaque of Recognition as Treasurer and Board of Director, PAEPI 2003 O 21-24
- Recognition Award, CHR 2003 D 09
- Special Award, Research Category, 25th Foundation Day Anniversary 2006
- Leadership, Plaque of Recognition, DMMSU 2011 Ja 14

Trainings:
- Conference on Watershed Management of the Philippines, DMMMSU-NLUC, Bacnotan, La Union 2006 My 16-18
- SURED International Seminar on Sustainable Watershed Management, Haikou, China 2006 Ag 26-28
- PAEPI Convention and General Assembly, PSPC, Aklan 2003 O 21-24
Regional Seminar-workshop on Extension Updates and State Opportunities, Bicol University and Partido State University, Camarines Sur 2003 My 14

International Symposium cum Workshop, 2003

Researches

On-going
Economics of the Sericulture Industry
Socio-Economic Assessment of the Variability of the Apiculture Industry

Papers Presented


Dumlao, F.S. (2003 N 05). University educational research agenda in the seminar on issues and concerns in teacher education, DMMMSU, La Union.


Dumlao, F.S. (2003 Jl 24-25). Key intervention to strengthen research and development, RDC, DOST and CHED.


Publications


Name: Evangelina S. Ella
Gender: Male
Civil Status: Single

Organizational Affiliations
- Assistant Scientist II, IRRI, P.O. Box 3227
- Associate Scientist, International Rice Research Institute, Los Baños, Laguna

Education
MSc. Agricultural Chemistry, University of the Philippines at Los Baños, College, Laguna 1982

Fields of Specialization
- Agricultural Chemistry
- Plant Physiology (Stress Physiology)
- Chemical Sciences

Association Membership
Member, National Research Council of the Philippines (NRCP)

Honors / Awards
- Nomination for 2009 IRRI Award for Outstanding Scientific Achievement, IRRI 2009

Trainings
- International Symposium on Rice: From Green Revolution to Gene Revolution, Hyderabad, India 2004 O 4-6

Researches
Completed
- Active oxygen-scavenging System fo Alleviation of Submergence Damage in Rice (Oryza sativa L.)
- High nitrogen reduces seedling survival after submergence in rice

Ongoing
- Physiological traits involved in the mechanism of tolerance to stagnant flooding during vegetative and reproductive stages in rice
- Factors affecting tillering capacity in rice exposed to stagnant flooding
- Role of Stem Carbohydrates on Drought Tolerance at Flowering Stage
- The Importance of Active Oxygen Scavenging System during Recovery of Submerged Rice Seedlings in High Light
- Physiological basis of rice tolerance to anaerobiosis during dry direct seeding
Role of Stem Carbohydrates on Submergence Tolerance Using Double Haploid Lines

Screenhouse evaluation of sub 1 gene introgression in submergence-intolerant rice genotypes

Papers Presented

Ella, E.S. (2004 O 4-6). Submergence tolerance deployed to widely grown rainfed rice varieties through marker-assisted backcrossing, International Symposium on Rice: From Green Revolution to Gene Revolution, Hyderabad, India.


Publications


78
1999 Ella, E.S. Physiological basis of submergence tolerance in rainfed lowland rice ecosystem. Field Crops Research, 1999.


Name: Eric Alvarez Galapon
Place of Birth: November 6, 1971
Gender: Male
Civil Status: Married
Home Address: 1085 B JP Rizal, Guadalupe Viejo Makati City
Organizational Affiliations:
- Associate Professor of Physics, National Institute of Physics, UPD, Quezon City

Education:
- Ph.D. in Physics, University of the Philippines, Diliman, Quezon City 2001
- M.S. Physics, University of the Philippines, Diliman, Quezon City 1996
- B.S. Physics, University of the Philippines, Diliman, Quezon City 1992

Fields of Specialization:
- Foundations and applications of quantum mechanics
- Computational physics
- Physics

Employment:
- Assistant Professor of Physics, National Institute of Physics, UPD, 2001-2008
- Instructor of Physics, NIP-UPDiliman, 1993-2001

Association Membership:
- Member, Samahang Pisika ng Pilipinas
- Member (invited), South East Asia Theoretical Physics Association

Honors / Awards:
- Scientist I, University of the Philippines 2009-2001
- Outstanding Young Scientist, NAST-DOST 2010

Trainings:
- International Colloquium in Time and Matter, Venice, Italy 2002 Ag 11-24
- International Conference on Quantum Optics, Raubichi, Belarus 2000 My 28-31

Researches:
- Completed
- Characterizing multiple solutions to the time-energy canonical commutation relation via internal symmetries
- Diffusion type integrals
- Exponentially small tunneling times
- Quantum violations of the weak equivalence principle exponentially small tunneling times
Quantum crossing states
Deformation quantization in the quantum time of arrival problem

Papers Presented


Publications


2009  Bunao, J., Galapon, E.A. The role of conjugacy in the dynamics of the CTOA

2009 Pamillo, R., Galapon, E.A. More delta convergent sequences that vanish at the support of the limit Dirac delta. Samahang Pisika ng Pilipinas 2009 Proceedings (Tagaytay), 2009.


2006 Galapon, E.A. What could have been missing while Pauli's theorem was enforced?. Time and Matter, I. Bigi and M. Faessler, eds., World Scientific, 2006:133.


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<tr>
<th>Year</th>
<th>Authors</th>
<th>Title</th>
<th>Proceedings</th>
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<tr>
<td>2001</td>
<td>Galapon, E.A.</td>
<td>Quantum-Classical Correspondence of Dynamical Observables,</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Quantization and the Time of Arrival Correspondence Problem.</td>
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<td>1997</td>
<td>Galapon, E.A.</td>
<td>Inverse commutation approach to classical and quantum time</td>
<td></td>
</tr>
</tbody>
</table>

Caballar, R., Galapon, E.A. Characteristic time operators for systems with degenerate energy spectrum. Samahang Pisika ng Pilipinas 2009 Proceedings (Tagaytay)2009,.
Name: Gilda D. Lio-Po
Gender: Female
Civil Status: Single

Organizational Affiliations
Scientist II, Southeast Asian Fisheries Development Center (SEAFDEC), Tigbauan, Iloilo
Consultant on KHV and SVCV, NAFIQAVED, Vietnam

Education
Ph.D. in Biology, Simon Fraser University, Burnaby, British Columbia, Canada 1998

Fields of Specialization
Microbiology
Biological Sciences
Aquatic Microbiology

Association Membership
Member, National Research Council of the Philippines

Honors / Awards
Best Published Papers, Bureau of Agricultural Research 2001
Fellow in Microbiology, Philippine Academy of Microbiology (PAM) of the PSM 2008 My 7
Certificate of Appreciation as Plenary Speaker, PSM Annual Convention 2008 O 16
Certificate of Appreciation as Scientist and Dedicated Service to SEAFDEC for 31 years, SEAFDEC, Iloilo 2008 Jl 11
Featured in Marquis Who's Who in the World, USA 2009 S

Trainings
Annual Convention of the Philippine Society of Microbiology, Mambucal, Negros Occidental 2008 O 16-17
OIE/NACA Regional Workshop on Aquatic Animal Health, Bangkok, Thailand 2008 Mr 25-28
PHILJAFA Establishes Chapter in the Visayas Region, Iloilo, Philippines-Japan Fellows Association 2008 Jl 7
International Workshop on CyHV-3 (KHV), Caesaria, Israel 2008 F 17-18
Marine Fish Disease: Prevention, Maintenance, Identification and Treatment Seminar, Iloilo City, Sponsored by American Soy Bean Association (ASA) 2008 D 2
Seminar on Comparison of Characteristics of the Koi Herpesvirus Isolates from
Asia, SEAFDEC AQD, Iloilo 2008 Ap 3

Researches

Completed

Bacterial flora associated with the green water culture of the tiger shrimp, Penaeus monodon

Characterization of a virus obtained from the Epizootic ulcerative Syndrome (EUS) in snakeheads (Ophicepha/us striatus) in the Philippines

Pathogenicity of the Epizootic Ulcerative Syndrome (EUS)-asssociated Rhabdovirus to Snake head Ophicepha/us striatus

Investigation on the mechanism of the effect of tilapia culture water on luminous bacteria

Molecular epidemiology of koi herpesvirus (KHV) Fish Pathology

Initial assessment of the bacterial flora of Guimaras waters and soil after the MIT Solar I oil spill

Biocontrol of luminous Vibrio in the grow-out culture of tiger shrimp Penaeus monodon

Horizontal transmission of the EUS rhabdovirus in simulated natural conditions

On going

Antibacterial metabolites in the microbial and phytoplankton flora of the greenwater cultured Panaeus monodon.

On-going

Detection and identification of viral pathogens in cultured marine finfishes

Pilot Testing of the "SEAFDEC Indigenous Probiotic" in Grow-out Shrimp Ponds

Bioresmediating Bacteria Isolated from MIT Solar I Affected sites in Guimaras

Detection and identification of viral pathogens in cultured marine finfishes

Surveillance of Emerging Fish Viral Pathogens in some Southeast Asian Countries

Papers Presented


Publications

87

2009

2009

2009

2009

2009

2008

2007

2007

2005

2005

2005

2004

2003

2002
Lio-Po, G.D., Cruz-Lacierda, E.R., de la PeÂ±a, L.D. Progress and current status of diagnostic techniques for marine fish viral diseases at the SEAFDEC
Aquaculture Department. Disease Control in Fish and Shrimp Aquaculture in Southeast Asia-Diagnosis and Husbandry Techniques, SEAFDEC, Philippines and Office International des Epizooties, France, 2002:215 pp..


Name: Fe A. Manatad  
Gender: Female  
Civil Status: Single  

Organizational Affiliations
Professor II & Director for Research Extension, Agusan del Sur State College of Agriculture (AASCAT), Bunawan, Agusan del Sur
Experts Pool/Team for Different Program Areas for Region XIII, DA-BAR,
Associate Professor IV and Director for Research and extension, Agusan del Sur State college of Agriculture and Technology, Bunawan, Agusan del Sur

Education
Ph.D. in Horticulture, University of Southern Philippines, Tagum City 2002

Fields of Specialization
Agriculture and Forestry
Horticulture

Association Membership
Member, National Research Council of the Philippines (NRCP)

Honors / Awards
Best Paper: In Vitro Culture of Banana cv. Lakatan as affected by Storage Duration of Corms, CCARRD and ASSCAT 2008 D 3

Trainings
9th Regional Symposium on Research and Development Highlights (RSRDH), DOST CARAGA, Ampayon, Butuan City 2008 Jl 16
2nd ASSCAT R&D Agency In-house Review,, ASSCAT, Bunawan, Agusan del Sur 2008 D 3

Researches
Completed
Effects of Plastic Mulch and Pruning on the Growth and Yield of Eggplant (Solanum melongena L.)
Effects of Zinc Sulfat and Urea in the yield of Straw mushroom (Volvarielle volvacea)
Growth Response of Tissue Cultured Banana Plantlets to the Application of Granular and Foliar Fertilizers
Topping of Corn for High Production Under Bunawan, Agusan del Sur Condition
In Vitro plantlet regeneration of Banana Musa sapientum L. ) Cv. Lakatan in response to different level of coconut water and Benzyl Adenine
In Vitro Culture of Banana Cv. Lakatan as Affected by Storage Duration of Corms

Growth and Yield Response of Glutinous Corn to Plant Density and Levels of Inorganic Fertilizer

In Vitro Plantlet Regeneration of Lakatan Banana (Musa sapientum) In Response to Culture Media

On-going

Growth Response of In Vitro-Cultured Banana cv Lakatan Plantlets to Two Potting Media and Different Levels of Urea

Nutrient Management in Oil Palm and Vegetables Intercropping System

Liming and Fertilizer Application in Oil Palm and Corn Intercropping System

Field Performance of Grafted and Marcotted Rambutan Trees Intercropped with Tissue Cultured Lakatan Banana

Long-term Effects of Application of Bunch Ash on Soil Properties and Oil Palm Yield

Shoot Pruning and Gibberellic Acid Application on Watermelon

Improved Bio-Organic Fertilizer for Corn Production

Application of Palm Oil Mill Effluent (POME) and Bunch Ash on Selected High Value Vegetable Crops

Long-term Effects of Application of Bunch Ash on Soil Properties and Oil Palm Yield

Empty Fruit Bunches & Shells as Mulch in Oil Palm

Papers Presented


Publications


2008 Bayno, M.L., Manatad,F.A. Growth Performance of Tissue-cultured Lakatan Banana Plantlets. As affected by Bagging Media and Three Levels of Complete


2005 Manatad, F.A. In Vitro plantlet regeneration of Banana(Musa sapientum L.) cv. Lakatan in response to different levels of coconut water and Benzyl Adenine. ASSCAT R & D Journal, 2005, 3(1).
Name: Milagrosa R. Martinez - Goss
Place of Birth: Manila, Philippines
Date of Birth: October 19, 1942
Gender: Female
Civil Status: Married
Home Address: 2094 Mariposa St., Pleasant Vill., Los Banos, Laguna 4031

Organizational Affiliations
- Scientist, Biological Science Division, UPLB, 2094 Mariposa St., Pleasant Vill., Los Banos, Laguna

Education
- PhD. in Botany, University of the Philippines at Los Baños, Laguna 1976

Fields of Specialization
- Biological Sciences
- Phycolgy
- Botany

Association Membership
- Member, National Research Council of the Philippines (NRCP)

Honors / Awards
- Certificate of Honor, Museum of Natural History 2007 O 01
- Plaque of Appreciation, College of Arts and Sciences 2007 N 21

Trainings
- Consultation Workshop on DOST National R & D Priorities Plan, Main Resto, AFP Commissioned Officers Club, Camp Aguinaldo, Quezon City 2009 N 19
- 19th International Seaweed Symposium, Kobe, Japan 2007 Mr
- International Conference on Diversity of Algae in Rice Paddies of the Philippines, Harison Hotel, Hanoi, Vietnam 2007 D 18-19
- Bio Adventure Exploring the Map of Life, Philippine Society of Youth Science Clubs, Inc., Dumaluan Beach, Resat, Panglas, Bohol 2003 O 20-24
- Technoforum on Algae, Geo Farm, Bayambang, Pangasinan 2005 O 13

Researches
- On-going
  Marine Phytoplankter of the Philippines
  CIDS Integration of Local Knowledge in Relation to Algal Diversity for a More Sustainable Rice Production in the Pinatubo Area
  Biodiesel Feedstock Production from Freshwater Microalgae-Mass Cultivation of
Fresh Water Microalgae
Mastogloia spp. (Bacillariophyceae) from the Philippines

Ongoing
Taxonomy and Ecology of Bloom-forming Algae in Rice Paddies of the Philippines

Papers Presented

Martinez-Goss, M.R., N.M. Montaño, N.M., Ferrer, M.S. (2011 My 17). Seaweed Production and Climate Change in the Philippines, Seaweed Festival, Buguey, Cagayan (sponsored by Bureau of Fisheries and Aquatic Resources Regional Office No. 02.).


Martinez - Goss, M.R. (2009 S 14). Diatoms: Cells with glass walls, Institute of Biology, College of Science, University of the Philippines, Diliman, Quezon City/Phi Sigma Biological Sciences Honor Society.


Martinez-Goss, M.R. (). CIDS Integration of Local Knowledge in Relation to Algal Diversity for a More Sustainable Rice Production in the Pinatubo Area, 6th Asia Pacific Conference on Algal Biotechnology (APCAB).

Publications


Ronald Umali Mendoza

June 16, 1973
Male
Married
41 Taurus Street, Cinco Hermanos Subd., Marikina City

Associate Professor, AIM,
Executive Director, Aim Policy Center,
Co-Editor, Journal of Asian Business,

PhD in Economics, Fordham University, Graduate School of Arts and Sciences, New York, USA 2008
M.A. in Economics, Fordham University, Graduate School of Arts and Sciences, New York, USA 1998
BA in Economics, Honors Program(Eco-H), Ateneo de Manila University, College of Arts and Sciences, Manila 1995

Social Science Research
International Economic Development
Public economics, financial and economic crises management

Adjunct Professor of Economics, Dept. of Economics, Fordham University, New York, USA, 1998-1999-
Economist Intelligence Unit (EIU), New York, USA, Summer 1998-
Teaching Fellow, The John F. Kennedy School of Government, Cambridge, Mass. USA, Fall 1999 -Spring 20-
Lecturer, Dept. of Economics, Ateneo de Manila University, 1995-1996-
Executive Assistant to the Director, Graduate Program in International Political Economy and Development, Fordham University, 1997-1999-
Teaching Assistant, Fordham University, New York, USA, 1996-1997-
Economist and Policy Analyst, Office of Development Studies, UNDP, 2001-
Consultant on Tax Policy, Economic Research Department, Federal Reserve Bank of Boston, MA, USA, Summer 2000-
Economist, UNICEF, Policy and Practice Group, (DPP-SPEA), 2008 S- 2010 N-
Research Assistant, Philippine Center for Social Policy (PCSP), Mr-My 1996-
Research Assistant, Ateneo Center for Economics Research and Development, 1995 Jl-O-

**Association Membership**
Member, Global Development Network  
Member, Economists Allied for Arms Reduction  
Member, American Economics Association  
Member, Eastern Economics Association  
Member, Foundation for Economic Society  
Member, Foundation for Economic Freedom  
Member, Philippine Economic Society  
Member, Management Association of the Philippines  
Founding Member, Harvard Philippine Students Network

**Honors / Awards**
General Syjuco Saber for Leadership Excellence, Philippine Air Force (ROTC) 1995  
Cum laude and Department Medal in Economics, Ateneo de Manila University 1995  
Best Thesis in Economics (with Jerome Pampolina), Ateneo de Manila University 1995  
Presidential Scholarship, Fordham University 1996-1999  
Omicron Delta Epsilon Honor Society in Finance and Economics, Fordham University 1997  
Peter Brooks Saltonstall, Harvard University 1999-2001  
Eugenio Lopez Fellowship, Harvard University 1999-2001  
Honor Medal for Academic Excellence, Philippine Air Force ROTC 1994  
Oblation Scholarship, University of the Philippines 1991  
Merit Scholarship, Ateneo de Manila University 1991  
Cum laude/ Departmental Medal for Economics, Ateneo de Manila University 1995

**Trainings**
CSO-DSWD Forum on Conditional Cash Transfers, Clark Air Base, Pampanga 2011 S 6  
Freedom of Information Policy Forum, Organized by the Council for Media Freedom and Responsibility, Makati City 2011 Jl 27
Synthesis Session on Challenges Faced by Policymakers in Protecting Children During the Eco. Crisis, National University of Singapore and Ministry of Foreign Affairs, Singapore 2009 Ja 6-7

Meeting on Realizing the Potential of Diasporas to Reduce Poverty and Enhance Entrepreneurs, The Rockefeller Foundation, New York, USA 2008 My 13

International Political Economy and Development (IPED) Lecture on Inclusive Markets, Poverty Reducti, Fordham University, New York, USA 2008 F 21

Researches

Completed
Extractive Industries, Human Development and Child Rights
Civil Society, Access to Information and Good Governance

Papers Presented


Mendoza, R.U. (2009 Mr 1). Do Developing Countries Face a 'Double Whammy' of Brain Drain and Lower Remittances, Eastern Economics Association 2009 Session on Remittances and Labor Migration, New York, USA.


**Publications**


Quarterly, 2009, 6(1159-1182).


### Name
Marian Apolinario Pulido

### Place of Birth
Santa Rosa, Laguna

### Date of Birth
Oct. 11, 1974

### Gender
Female

### Civil Status
Single

### Home Address
Museum of Natural History
University of the Philippines
Los Baños College
Laguna, 4031

### Organizational Affiliations
- Scientist, Museum of Natural History, University of the Philippines, College, Laguna
- University Researcher II, Museum of Natural History, Upper Forestry Campus, UPLB, College, Laguna

### Education
- Ph.D. Engineering (Major in Material and Life Science), Osaka University, Osaka, Japan 2008 Mr
- M.S. Food Science, University of the Philippines at Los Baños, Los Baños, Laguna, Philippines, 4031 Laguna 2002
- B.S. Food Technology, University of the Philippines Los Baños, Los Baños, Laguna, Philippines 1995

### Fields of Specialization
- Biological Sciences
- Hyperthermophilic proteins
- Food Microbiology
- Directed Evolution of Proteins

### Employment
- Sc. Research Assistant, Dept. of Material and Life Science, Osaka University, Japan, 2003 Ap-S-
- Study Leader, ANMR-RIKEN, 1998 Ap-2000 D-
- Project Staff, ANMR-RIKEN/MNH/UPLB-FI, 1998 Ap-2000 D-
- Project Staff, ANMR-RIKEN/MNH/UPLB-FI, 1997 S-2000 D-
- Study Leader, ANMR-RIKEN/MNH/UPLB-FI-, 1997 O-1998 Mr-
- Research Associate, ANMR-RIKEN/MNH/UPLB-FI--, 1996 Ap-1997 S-
- Research Associate, UPLB-FI/PCA, 1995 Ap-1996 Mr-

### Association Membership
- Member, Philippine Network for Microbial Culture Collection
- Organizing Committee Chair, Philippine Society for Microbiology
- Member, Philippine Society for Microbiology
Food and Nutrition Chair, National Research Council of the Philippines
Member, Japanese Biochemical Society
Member, Protein Science Society of Japan
Member, International Youth Group, Osaka Japan
Associate Member, National Research Council of the Philippines
Life Member, Philippine Society for Microbiology
Recording Secretary, Philippine Society for Microbiology
Food Microbiology Division Representative, Philippine Society for Microbiology
Business Manager, Philippine Network for Microbial Culture Collection
Press Relation Officer, Philippine Network for Microbial Culture Collection
Member, Philippine Network for Microbial Culture Collection
Junior Adviser, Philippine Association of Food Technologist
Member, Gamma Sigma - The Honor Society of Agriculture
Member, Extension and Professional Staff Association

Honors / Awards
Doctoral Program Scholarship Award, Japanese Government Ministry of Education 2003 O - 2006 S
Visiting Researcher Award, Osaka, University, Osaka Japan 2006 N - 2007 Mr
Special Citation, NAST Talent Search for Young Scientists, NAST, Manila Hotel, Manila 2008

Trainings
A Glimpse on the Function and Structure of a subtilisin from a Hyperthermophilic Archaeon, NIMBB, UP Diliman 2009 F 22
A Glimpse on the Function and Structure of a subtilisin from a Hyperthermophilic Archaeon, DLSU, Taft Ave., Manila 2008 Ap 2
A Special Lecture on Microbial Techniques presented to Batangas State University Students, Museum of Natural History 2008 Ag 8

Researches
Completed
Construction of low-temperature adapted Tk-subtilisin from hyperthermophilic archaeon
Developmental studies on alcoholic on alcoholic beverages (wine) and champagne-type from coconut water
Screening of useful microorganisms for unused tropical plant resources and process development
Establishment of microbial culture collection and network

104
Investigation and collection of lactic acid bacteria from natural Resources in Southeast Asia

Information sharing network for research and development on microbes among distributed center

Characteristics analysis of microorganisms for utilization of unused tropical plant resources and process development.

Ongoing

Exploration of the Microbial diversity of Caves in the Philippines and its biotechnological Potential: Bacterial Biofilm formation in Mapanghe and Bulalon Caves in Polillo Islands, Quezon

Exploration of the Microbial Diversity of Caves in the Philippines and its Biotechnological Potential: Bacterial Biofilm formation in Cave of Malay Municipality, Aklan Province

Role of propeptide on mutation of subtilisin from a hyperthermophilic archaeon

Papers Presented


Publications


2006 Pulido, M.A., Saito, K., Koga, Y., Takano, K., Kanaya, S. Ca 2+ dependent maturation of Tk-subtilisin from hyperthermophilic archaeon: Propeptide is a potent inhibitor of the mature domain but is not required for its folding. Applied Environmental Microbiology, 2006, 72::4154-4162.

2002 Pulido, M.A. Screening of thermophilic bacterial isolates for protease production
and its application in food processing. MS Thesis, UPLB, Institute of Food Science and Technology, 2002 My.

Name: Emilia T. Quinitio
Gender: Male
Civil Status: Single
Home Address: Block 1 Lot 47 Ledesco Village, Jaro Iloilo City

Organizational Affiliations
Scientist, Southeast Asian Fisheries Development Center-Aquaculture Department, Tigbauan, Iloilo 5021, Philippines
Head, Breeding and Seed Production Section, SEAFDEC/AQD, Tigbauan, Iloilo

Education
Doctor of Fisheries Science, Faculty of Fisheries, Hokkaido University, Hakodate, Japan 1995 Ap
Research Student, Faculty of Fisheries, Hokkaido University, Hakodate, Japan 1987 Ap - 1989 Mr
Master of Science in Fisheries (Major in Aquaculture), University of the Philippines in the Visayas, Iloilo, Philippines 1980 Je
Bachelor of Science in Fisheries (Major in Inland Fisheries), University of the Philippines, Diliman, Quezon City, Philippines 1976 Mr
License - Fisheries Technologist, Profession Regulation Commission, Manila

Fields of Specialization
Shrimp and crab breeding and seed production
Reproductive physiology of shrimps and crabs
Crab and shrimp culture in nursery and grow-out ponds/pens

Employment
Head, Breeding and Seed Production Section, SEAFDEC/AQD, 2009 - present
Program Leader, Shrimp and Mud Crab Domestication, SEAFDEC/AQD, 2007 - 2008
Head, Breeding Section, SEAFDEC/AQD, 1995 S - 2000 F

Association Membership
Full Founding Member, Asian Fisheries Society
Regular Member, Crustacean Society
Life Member, Philippine Association of the Japanese Ministry of Education Scholars
Treasurer - Visayas Chapter, Philippine Association of the Japanese Ministry of Education Scholars
President, Philippine Association of the Japanese Ministry of Education Scholars
Member, Editorial Board, Philippine Journal of Science (DOST)
Member, Philippine Aquaculture Society, Inc.
Member, National Research Council of the Philippines
Treasurer Visayas Cluster, National Research Council of the Philippines
Member, Department of Science and Technology-Philippine Society of JSPS Ronpaku Fellow

Honors / Awards
Best published Research Paper, Bureau of Agriculture Research, Department of Agriculture 2001 O 4
National Research and Development Award, Bureau of Agricultural Research, Department of Agriculture 2005 O 5
Elvira O. Tan Memorial Award on Aquaculture and Inland Fisheries, Los Banos Science Community Foundation, Inc. and PCAMRD

Trainings
Philippine Shrimp Congress, Bacolod City, Negros Occ., Philippines. 2010
Integrated Training-Workshop on Technology Transfer and Commercialization, RED Foundation, Inc. and SEAFDEC/AQD, Tigbauan, Iloilo 1997 Jl
Basic Supervisory Development Course, University of the Philippines and SEAFDEC/AQD, Tigbauan, Iloilo, 1982 O - D 16

Researches
Domestication of mud crab

Completed
Physiological Studies on the Reproduction of Shrimps: Hormonal regulation during vitellogenesis
Development of improved mud crab Scylla serrata culture systems in the Philippines and Australia
Culture and management of Scylla serrata species (EC-CAMS)
Development of specific pathogen-free shrimp broodstock
Enhancing adoption of mud crab production technologies in Northern Samar
Selective breeding of mud crab Scylla serrata
Breeding and seed production of mud crab (refinements, pilot-testing, etc)

Papers Presented
Quinitio, E.T. (2010). Updates on crustacean research at SEAFDEC/AQD, Philippine Shrimp Congress, Bacolod City, Negros Occ., Philippines..
Quinitio, E.T. (2009). Domestication of mud crab Scylla serrata (oral), 2009 Shanghai Crab Symposium - Shanghai Ocean University, Shanghai, China..
Quinitio, E.T. (2009). Assessment of microsatellite DNA variability in four Philippine wild populations of mud crab Scylla serrata, 2009 Shanghai Crab Symposium - Shanghai Ocean University, Shanghai, China..


production of Scylla sp. at different salinities, Mud Crab Scientific Forum, Darwin, Northern, Territory, Australia.


Publications


2007  Quinitio, E.T., de Pedro, J., Estepa, F.D. Formalin as an alternative to trifuralin as prophylaxis against fungal infection in mud crab Scylla serrata (Forsskal) larvae. Aquaculture Research, 2007, 38:1554 - 1562.


The culture of Scylla serrata (Forsskal) juveniles in net cages and ponds. Aquaculture Research, 2007, 38:1588 - 1592.


Name: Edward A. Quinto
Gender: Male
Civil Status: Single

Organizational Affiliations
Associate Professor II/Sr. Researcher/Lab Analyst, Dept. of Biological Sciences, College of Science, University of Sto. Tomas, España, Manila

Education
M.S. Microbiology, University of Santo Tomas, Manila 1998
Post Graduate Certificate Course in Biogeography and Environmental Assessment, University of Saarland, Germany 1993
B.S. Chemistry, University of Santo Tomas, Manila 1982

Fields of Specialization
- Biological Sciences
- Microbiology
- Chemistry
- Microbial bioluminiscence
- Microbial natural products
- Lactic acid fermentation

Association Membership
Member, National Research Council of the Philippines (NRCP)
Member, UST Science Project Advising for Science High School Students, Defense Panel of the Department of Biological Sciences, College of Science

Honors / Awards
- Best Oral Paper Award, 37th Annual Convention and Scientific Meeting of the PSM, Boracay Waterfront Hotel and Resort, Aklan 2008 My 7-9
- Elected Diplomate of the Philippine Academy for for Microbiology (PAM), Boracay Waterfront Hotel and Resort 2008 My 7-8

Trainings
- Lecture Notes: The Structure and Function of Nucleic Acid (DNA & RNA) in the Storage and Transmissio, Seminar-Workshop on DNA Recombination Technology, UST Graduate School 2008 O 7-11
- Lecture-Workshop: Make your Own Hand washes and Sanitizers with more potent Antimicrobial Activity U, University of La Salette, Isabela 2008 Ap 10-12
- Bioluminescence: the Good Blue Living Light for a Greener World, 43rd Annual National Convention, University of La Salette, Isabela 2008 Ap 10-12
Bioluminescence: The Good Blue Light for Greener World, BIOTA CARAGA Chapter, Surigao Education Center 2008 Ag 20-22

34th Annual Convention of the Philippine Society of Microbiology, 2005

Microbial bioremediation Lecture Series on Environmental Concepts Focusing on Biodiversity Conservat, TUP, Manila 2004 N 27

4th Philippine Network of Microbial Culture Collection, Inc. (PNMCC) Symposium-Workshop, UST, Manila 2004 N 13

Researches

Completed

A novel, simple, rapid, and cost-effective bioassay for chlorine measurement in water based on paper-disc immobilized bioluminescence technology (PIBiT)

Lactobacillus H4 USTCMS strains: a potential livestock probiotic for a safer environment and a cleaner world

Biochemical characterization of DNA: color reaction test for the presence of phosphate, deoxyribose, purines and pyrimidines

The bioluminescent bacteria

Paper-disc immobilized bioluminescence technology (PIBiT) A novel, simple, and inexpensive multipurpose toxicity testing system

The microbes of light

Paper-disc immobilized bioluminescence technology (PIBiT): A novel, simple and inexpensive method for the general well-being and a cleaner environment

An endophytic fungus isolated from torpedo grass (Panicum repens linn.)

The use of biolumiscent bacteria in antimicrobial assays

Paper-disc immobilized bioluminescence technology (PIBiT)

Biochemical characterization of DNA

A simplified no-centrifugation method of DNA extraction from various plant

A simple and inexpensive antibacterial screening method for plant extracts using bioluminescent bacteria

On-going

Monthly determination of the total coliform index of the treated wastewater of the UST building and ground's (B&G) wastewater treatment plant

Maintenance and enlargement of the holdings of the RCNS, University of Santo Tomas collection of microbial strains (USTCMS)

Isolation of streptomycetes and endophytic fungi and screening for antimicrobial and herbicidal activities

Isolation and screening of lactobacillus species exhibiting antibacterial and antifungal activities

Determination of the antimicrobial activity of conducting polymer coated cloth on Staphylococcus aureus, Eschirichia coli, Candida albicans and Aspergillus niger.

Immuno-enhancing activity of the exopolysaccharide of Lactobacillus sp. USTCMS

115
strain on Albino Mus musculus.

Evaluation of the anti-oxidant property of the orange yeast: Rhodotorula rubra grown in acid saccharifide banana pealings.

Production, isolation and characterization of the antibacterial and antifungal constituents of the broth culture of streptomyces isolate of USTCMS strain 1086 obtained from the crater of Mt. Pinatubo.

Lactobacillus isolate USTCMS 1071: A potential swine probiotic for a safer and cleaner environment

Ongoing
Screening of Streptomyces Isolates from Soil Samples for Antimycobacterial and Antifungal Activities

Use of Paper-disc Immobilized Bioluminescence Technology (PIBiT) for the toxicity testing of deep well water samples collected in the Imus, Cavite Area

LUMOS: A simple, rapid, and expensive dissolved oxygen determination of wastewater samples using the tube bioluminiscent extinction method of vibrio fischeri USTCMS 1063

Evaluation of the biological activities of the fermented medium of lactic acid bacteria (LAB) against fruit fly, mosquito, worm and pathogenic microorganism

Use of Tube Bioluminescence Extinction Technology (TuBET) for the Rapid and Inexpensive Determination of the Freshness of Fishes, Shrimps, Squids and Ground Beef and Pork

Papers Presented
Quinto, E.A. (2008 Mr 12). Hygienic and Bio-insecticidal Trap for the Coffin Fly: Megaselia scalaris (Diptera: Phoridae) of the Spent MRS Medium of Pediococcus acidilactici, 75th Annual Scientific Meeting of NRCP General Membership Assembly (Basic Research for National Development), Manila Hotel.


Quinto, E.A. (2005 My 12-13). The isolation, screening and characterization of Lactobacillus casei USTCMS 1071, a potential swine probiotic for a safer and cleaner environment, 34th Annual Convention of the Philippine Society for Microbiology, Waterfront Insular Hotel, Davao City.


Quinto, E.A. (2005 D 3). A successful term preservation method for the isolated marine endophytic fungi of the University of Santo Tomas Collection of Microbial Strains (USTCMS), 10th Annual Convention of the Natural Products Society of the Philippines, Escaler Hall, Ateneo de Manila University, Manila.
Quinto, E.A. (2005 D 3). Screening of Streptomycetes isolated from the soil samples collected on the crater of Mt.Pinatubo for antibacterial and antifungal activities, 10th Annual Convention of Natural Products Society of the Philippines, Escaler Hall, Ateneo de Manila University, Manila.

Quinto, E.A. (2005 D 3). Health benefits and comparative antimicrobial activities of selected commercial antimicrobial products with the fermented MRS medium of the lactic acid bacterium, Pediococcus acidilactus USTMS 1085, 10th Annual Convention of the Natural Products Society of the Philippines, Escaler Hall, Ateneo de Manila University, Manila.


Publications


Name: Alfredo R. Rabena  
Gender: Male  
Civil Status: Married  

Organizational Affiliations
- Director, Research and Development, University of Northern Philippines, Vigan City, Ilocos Sur
- Chair, Commission on Ecology, Parish of St. Paul-Archdiocese of Nueva Segovia, Vigan City
- Chair, Commission on Ecology, Green Initiatives, Inc. Manila Coastal Resource Management Rehab.and Protection Project, Vigan-Sta Catalina, Caoayan-San Vicente Coastal Areas

Education
Ph.D. in Forestry, University of the Philippines at Los Baños, College, Laguna 1996

Fields of Specialization
- Chemical Sciences
- Natural Products Chemistry
- Forest Products Chemistry
- Natural Products and Wood

Association Membership
- Member, National Research Council of the Philippines
- Consultant, Commission on Ecology, Parish of St. Paul-Archdiocese of Nueva Segovia, Vigan City
- Consultant, Commission on Ecology, Vigan City

Honors / Awards
- (INBAR)-MOST-INFORTRACE Training Grant, International Network for Bamboo and Rattan 2004 S 6-20
- SURED Lecture Fellowship, 9th International Seminar Workshop SURED 2005 F 28-Mr 4
- Most Outstanding Director for R & D in the Philippines, Exemplary Award, Office of the President 2005
- Outstanding Teacher of Vigan City Tertiary Level, Vigan City Government 2006
- Most Outstanding Alumnus Award, College of Forestry and Natural Resources 2006
- Outstanding Alumnus of UPLB, UPLB Loyalty Day and Alumni Homecoming, UPLB 2006
Trainings

International EurAsia Chemistry Conference, PICC, Manila Philippines 2008 Ja 6-8
International EurAsia Chemistry Conference, PICC, Manila 2008 Ja 6-8
2nd PAIR Natl Conference on Education and Social Sciences, Brokenshire College, Davao City 2008 D 6-7
1st PAIR Natl Conference on Health & Environment, Xavier University, Cagayan de Oro City 2008 Ag 1-2
International Training Workshop on Small Daily Products Technology, Zhejiang, China 2004 S 6-20
39th Annual National Biology Teachers Association (BIOTA) Convention, Northwestern University, Laoag City 2004 Ap 1-3
UFRO International Conference on Multipurpose Trees in the Tropics,
1st PAIR National Conference on Health and Environment, Xavier University, Cagayan de Oro City

Researches

The Multipurpose Use of Physic Nut (Jatropha curcas)

Completed

The Design and Construction of Dual Powered Foliage Chopper
A Preliminary Flame Test of Bittaog (Calphylum inolphylum) for Energy Use
The Phytochemical and Fermenting Properties of Samak (Macaranga tanarius)
The Limnological Study of Pudoc Lagoons in Tagudin Ilocos Sur
Propagation Techniques of Sablot (Litsea glutinosa) Lour. Rob.
Kakawate (Gliricidia sepium) as Botanical Pesticides and Organic Fertilizer for Rice
Kakawate (Gliricida sepium) and Neem (Azadirachta indica) as Botanopesticides for Corn Intercropped with Peanuts and Eggplants
The Brine Shrimp Lethality of DichloromehtanMethanol Extract of Anonas (Anona reticulata)

On-going

Dual Powered Foliage Chopper for Organic Materials
Project F.R.E.S.H, UNP R & D-Extension-NSTP Collaborative Project, Site: Ayusan Norte, Vigan
Graduate Tracer Study of University of Northern Philippines
The Utilization of Tawwa tawwa (Jatropha curcas)
The Acclimatiza of Indigenous Root Crops of Ilocos

Ongoing

The Design and Construction of Fruit Dryer
The Tissue Culture of New Varieties of Ube (Dioscorea alata)

The Antimicrobial Assay of Tawwa tawwa

Papers Presented


Rabena, A.R. (2005 S 18). The Topographic Survey of Quarry Sites in Region 1, PhilAAS National Convention, TARC, UST, Manila.


Publications


Name: Edsel Maurice T. Salvana
Place of Birth: Mandaluyong, Metro Manila
Date of Birth: July 24, 1975
Gender: Male
Civil Status: Married
Home Address: 30 Ma Eva, Tierra Pura, Quezon City

Organizational Affiliations:
- Research Asst. Professor, Institute of Molecular Biology & Biotechnology National Institute of Health,
- Clinical Associate Professor, Infectious Disease Section, Dept. of Medicine, UP Manila, Manila
- Balik Scientist, Long Term Program, Department of Science and Technology, Bicutan, Taguig City
- Associate Professor of Medicine, Section of Infectious Diseases., Department of Medicine, University of the Philippines College of Medicine, Manila, Philippines
- Assistant Professor for Research, Institute of Molecular Biology and Biotechnology, National Institutes of Health, University of the Philippines, Manila
- Consultant, SAGIP HIV/AIDS Clinic, Philippine General Hospital, Manila
- Research Coordinator, Section of Infectious Diseases, Department of Medicine, UPCM, Manila, Philippines
- Philippine Coordinator, University of Pittsburgh Medical Center Internal Medicine Residency Global Health Exchange Program,
- Attending Physician, Medical Center Manila, Philippines
- Chair, Health Research Fellowship Committee, National Institutes of Health, Philippines
- Secretary, Research Capacity Strengthening Committee, Metro Manila Health Research and Development Consortium, National Institutes of Health, Philippines
- Member, Institutional Review Board, Medical Center Manila, Philippines
- Member, Institutional Biosafety Committee, National Institutes of Health, Philippines
- Founder and Convenor, Philippine Red Party (Organization involved in fighting the Philippine HIV/AIDS epidemic),

Education:
- Fellowship, Infectious Diseases, Case Western Reserve University and University Hospitals Case Medical Center, Cleveland, Ohio, USA 2008
- Diploma in Tropical Medicine Course, Case Western Reserve University and University Hospitals Case Medical Center, Cleveland, Ohio, USA 2008
- Internship and Residency (Internal Medicine), Medical College of
Wisconsin, Milwaukee, Wisconsin, USA 2005
Doctor of Medicine, University of the Philippines, Manila 2001
BS in Biology, University of the Philippines, Diliman, Quezon City 1996

**Fields of Specialization**
- Internal Medicine, Infectious Diseases & Tropical Medicine
- Tropical and Travel Medicine
- Lymphatic Filariasis
- The role of anti-Wolbachia antibodies in pathogenesis of acute disease
- Drug Resistant Organisms (including MSRA)
- Immunocompromised Host
- Emerging Infectious Disease

**Employment**
- Chief Fellow, Division of Infectious Diseases and HIV Medicine Case Western Reserve University, 2007-2008
- Fellow, Infectious Diseases, Case Western Reserve University and University Hospitals Ca, 2005-2008
- Resident, Internal Medicine, Medical College of Wisconsin, Milwaukee, Wisconsin, USA, 2002-2005

**Association Membership**
- Certified in Tropical and Travel Medicine, American Society of Tropical Medicine and Hygiene
- Reviewer, Clinical Infectious Diseases
- Reviewer, Journal of Infection
- Member, Philippine College of Physicians
- Member, American Society for Tropical Medicine and Hygiene
- Member, American Society for Microbiology
- Certified in Internal Medicine by the American Board of Internal Medicine
- Certified, Board of Medicine Professional Regulatory Commission, Philippines
- Certified, Educational Commission on Foreign Medical Graduates
- Certified, American Medical Association
- Certified, American College of Physicians
- Member, University of the Philippines Medical Alumni Society in America
- Member, Infectious Diseases Society of America
- Fellow, Infectious Diseases, Case Western Reserve University and University Hospitals Case Medical Center, C
Member, Manila Medical Society
, Certified in Infectious Diseases by the American Board of Internal Medicine

Member, Infection Control Committee, Medical College of Wisconsin, Milwaukee, Wisconsin, USA

Honors / Awards

Balik Scientist Award, DOST 2008
Fellow Travel Award to the Joint Infectious Diseases, Wyeth - American Society for Microbiology 2008
Travel Award to Annual Meeting in New Orleans, American Society of Tropical Medicine and Hygiene 2008
Outstanding Intern in Internal Medicine, University of the Philippines College of Medicine and 2001
Magna cum laude, BS Biology, University of the Philippines Diliman Institute of Biology Award 1996
Most Outstanding Undergraduate Thesis in Biology, Histopathology of Mouse Brain Infected with A, UPD 1996
Phi Sigma Biological Honor Society Award for Excellence, University of the Philippines Diliman
Phi Kappa Phi Honor Society Inductee, 1996
Oblation Scholar (Top 50 examinees of the nationwide), University of the Philippines College 1992

Trainings

Invited Speaker, Global Health Residency Program, University of Pittsburgh Medical Center 2009
Infectious Diseases Society of America Meeting, (Participant), Philadelphia, USA 2009
Symposium on HIV/AIDS/organized by the HIV/AIDS study group of the National In(Invited Speaker), 2009
HIV/AIDS Centers for Treatment Conference, organized by the Tropical Disease Forum (Invited Speaker), 2009
Symposium on Tuberculosis, National Institutes of Health - UP Manila Anniversary (Co-chair), 2009
Sepsis Wars, 39th Philippine College of Physicians Annual Convention 2009
Joint Infectious Diseases Society of America/ International Conference on Antimicrob (Presenter), 2009
American Society for Tropical Medicine and Hygiene Meeting (Presenter), New Orleans, USA 2008
Medical Center Manila Residents Research Competition (Invited Judge), 2008
American Society for Tropical Medicine and Hygiene Meeting (Participant),
Philadelphia, Pennsylvania 2007
Infectious Diseases Society of America Meeting (Participant), Toronto, Canada 2006
Participant, American Society for Tropical Medicine and Hygiene Meeting, Washington DC, USA 2005
Society for General Internal Medicine Meeting, (Presenter), New Orleans, Louisiana, USA 2004

Researches
Completed
Disease Rates in Microfilaremic Patients from Barangay San Simon, Cagayan de Oro City (with Vicente Belizario Jr. Parasitology Elective Study, 1999)

Foreign trained Filipinos of exceptional scientific ability to return to the Philippines as catalysts for research and development

Role of anti-Wolbachia antibodies in acute lymphatic filariasis

The Impact of Direct Teaching Strategy of URTI Management on Barangay Health Workers from Selected Barangays of Sto. Tomas, Batangas (with Nicolas et al., Community Medicine Study, 2000)

(Co-Investigator) Histopathology of Mouse Brain Infected with Acanthamoeba isolate IB-17

Urinary Excretion of Rifampicin in Pediatric Patients (with Pujalte et al., Pharmacology Study, 1998)

Effect of Chicken Essence on the Hematocrit Levels and Mental Activities of Mice (with Alix et al., Pharmacology Study, 1997)

The Effect of Corn Hair Concoction on the Dissolution of Renal Stones (with Alix et al., Physiology Study), 1997

The Effect of Caesalpinia sappan extract on Glutathione and SGPT Levels in Young Albino Mice (with Alix et al., Biochemistry Study, 1997)

Histopathology of Mouse Brain Infected with Acanthamoeba isolate IB-17 (undergraduate Biology thesis, 1996)

Revision of Clinical Practice Guidelines for Schistosomiasis (Co-Chair, TWG)

Papers Presented


pacemaker. (Abstract published), Society of General Internal Medicine National Meeting in New Orleans, Louisiana USA.


Publications


Name: Ameurfina D. Santos
Place of Birth: Manila
Date of Birth: August 18, 1943
Gender: Female
Civil Status: Married

Organizational Affiliations:
Director, Office of Admissions, University of the Philippines,
Professor, National Institute of Molecular Biology, Lakandula cor. Jacinto St., UP Diliman, Quezon City

Education:
Ph.D. in Molecular Biology and Biotechnology, University of the Philippines, Diliman, Quezon City 1994
M.S. in Chemistry, University of the Philippines, Diliman, Quezon City 1969
BS Chemistry, University of the Philippines, Diliman, Quezon City 1964

Fields of Specialization:
Biological Sciences
Molecular Biology

Employment:
Professor, National Institute of Molecular Biology & Biotechnology, University of the Philippines, Diliman QC, -
Professor 9, University of the Philippines, Diliman, -
Director, Office of Admissions, UP System, 2006-present-
Deputy Director, National Institute of Molecular Biology and Biotechnology, UP Diliman, 2000-2003-

Association Membership:
Member, Phi Kappa Phi
Member, Phi Sigma
Treasurer, Philippine Society for Biochemistry and Molecular Biology (PSBMB)
Member, Board of Directors, Philippine Environmental and Mutagens Society (PEMS)
Member, Philippine American Association for Science and Engineering (PAASE)
Member, National Research Council of the Philippines (NRCP)

Honors / Awards:
Postdoctoral Fellow, National Institutes of Health, Bethesda, Maryland, USA 1995-1998
Exchange Scientist, Sophia University, Tokyo, Japan
Research Grantee, University of Utah, Salt Lake City, USA
Natatanging Guro, Gawad Chancellor 2006
Professorial Chair, 2002 - present
Eusebio Y. Garcia Recognition Award (National) for his work on Molecular Biology, National Research Council of the Philippines 2000
Most Outstanding Surigaonon in the Field of Science, Rotary Club of Metro Surigao

Trainings
7th Pacific Congress on Animal, Plant and microbial Toxin, Plantation Bay, Mactan, Cebu 2005 O 25-29
NIMBB-UPD Professorial Chair/Faculty Grant Lecture Series, Room 106, Albert Hall, NIMMB, UP Diliman, Quezon City 2005 N 30
25th Annual Philippine American Academy of Science and Engineering (PAASE) Meeting and Symposium, Waterfront Hotel, Cebu City 2005 Je 24-26
32nd Philippine Society for Biochemistry and Molecular Biology (PSBMB), Ateneo de Manila University, Loyola Schools, Quezon City 2005 D 1-2

Researches
Completed
Expression in yeast cells and characterization of multivalent humanized antitumor antibody
Antibody and Molecular Oncology Research (AMOR)
Molecular Genetic Analysis of Fresh Water Fish: Native Hito (Clarias Macrocephalus)
DNA Markers in Hatchery-Bred Milkfish (Chanos chanos Forsskal)
Studies on Dimerization Conditions for Antibodies

On-going
Identification of toxins from Philippine auger snails
Ongoing
Medical Biotechnology and Genome Research Laboratory
Genetically engineered antibodies against cancer
Molecular biology of Philippine venomous snails-

Papers Presented
Santos, A.D. (2005 N 30). Simultaneous expression of two antibody genes with opposite charges in the CH3 domain, NIMBB-UPD Professorial Chair/Faculty Grant Lecture Series, Room 106, Albert Hall, NIMMB, UP Diliman, Quezon City.

Santos, A.D. (2005 Je 24-26). Inserting negatively charged amino acid residues into the constant region of antibodies to prevent homodimer formation, 25th Annual Philippine American Academy of Science and Engineering (PAASE) Meeting and Symposium, Waterfront Hotel, Cebu City.


Santos, A.D. (2005 D 1-2). Alternative phylogeny of Conus furvus based on the 16s rRNA gene sequence, 32nd Philippine Society for Biochemistry and Molecular Biology (PSBMB), Ateneo de Manila University, Loyola Schools, Quezon City.

Santos, A.D. (2005 D 1-2). Toxinology and molecular phylogeny of some members of the family turridae, 32nd Philippine Society for Biochemistry and Molecular Biology (PSBMB, Ateneo de Manila University, Loyola Schools, Quezon City.

Santos, A.D. (2005 D 1-2). Toxinology and molecular phylogeny of some members of the family turridae, 32nd Philippine Society for Biochemistry and Molecular Biology (PSBMB, Ateneo de Manila University, Loyola Schools, Quezon City.


Publications


2007 Heralde, F.M., Watkins, M., Ownby, J.P., Bandyopadhyay, P.K., Santos, A.D.,


<table>
<thead>
<tr>
<th><strong>Name</strong></th>
<th>Allan Adriano Sioson</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Place of Birth</strong></td>
<td>Tanza, Navotas, Rizal, Metro Manila</td>
</tr>
<tr>
<td><strong>Date of Birth</strong></td>
<td>Dec. 1, 1970</td>
</tr>
<tr>
<td><strong>Gender</strong></td>
<td>Male</td>
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<tr>
<td><strong>Civil Status</strong></td>
<td>Single</td>
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<tr>
<td><strong>Home Address</strong></td>
<td>Block 5, Lot 18, Phase 1A, Barcelona Drive, Mediterranean Villas, South Forbes, Barangay Inchican, S</td>
</tr>
</tbody>
</table>

**Organizational Affiliations**

- Associate Editor, Philippine Information Technology Journal, ISSN 2012-0761, Computing Society of the Philippines and the Phil Society of Information Technoly Educators,
- Dean of College of Computer Studies, Ateneo de Naga University, Ateneo Avenue, Naga City
- Editorial Board Member, Gibon, Official Ateneo de Naga University Journal, Ateneo de Naga University, Ateneo Avenue, Naga City, 4400 Philippines

**Education**

- PhD. in Computer Science and Applications, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, USA 2005
- Master of Science in Computer Science, Ateneo de Manila University, Loyola Heights, Quezon City 1994
- Bachelor of Science in Mathematics, Ateneo de Manila University, Loyola Heights, Quezon City 1991

**Fields of Specialization**

- Multimodal Networks
- Bioinformatics
- Data Mining, Modeling and Simulation
- Information Visualization
- Computational Biology,
- Algorithms, Software Testing, and Computer Science Education

**Employment**

- Lead Programmer, Ateneo de Naga College Registration System, Ateneo de Naga University, Ateneo Avenue, Naga City, 440, 1997-1998-
- Researcher, Mathematics Department, Ateneo de Manila University, Loyola Heights, Quezon City, 1108 Philippines, -1993-1994
- High School Math Teacher, Ateneo de Naga High School, 1991-1992-
- Technical Committee on Government, Academe, and Industry Linkage, Commission on Higher Education (CHED), Philippines, 2008-
- Associate Professor of Computer Science, Ateneo de Naga University, Ateneo
Avenue, Naga City, 4400 Philippines, 2006-2008-
Graduate Research Assistant, Virginia Tech, Blacksburg, Virginia, USA, 2002-2005-
Graduate Teaching Assistant, Virginia Tech, Blacksburg, Virginia, USA, 2001-2002
Chair, Computer Science Department, Ateneo de Naga University, Ateneo Avenue, Naga City, 1995-2001-
Assistant Professor of Computer Science, Ateneo de Naga University, Ateneo Avenue, Naga City, 2005-2000
Instructor of Computer Science, Ateneo de Naga University, Ateneo Avenue, Naga City, 4400 Philippines, 1994-2000-
System Administrator, Ateneo de Naga University, Ateneo Avenue, Naga City, 4400 Philippines, 1996-2001-

Association Membership
Member, Institute of Electrical and Electronics Engineers (IEEE)
Member, Association of Computing Machinery (ACM)
Member, Computing Society of the Philippines (CSP)
Member, Philippine Society of Information Technology Educators (PSITE)
Currently Region V Chapter President, Philippine Society of Information Technology Educators (PSITE)

Honors / Awards
Eleazar Chair Award, Ateneo de Naga 2000
Gloria Macapagal Arroyo Chair Award, Ateneo de Naga 2000
Ellen Francisco-Fajardo Foundation Chair Award, Ateneo de Naga 2000
Professorial Award, Ateneo de Naga 1998
Professorial Award, Ateneo de Naga 1995

Trainings
7th National Conference on Information Technology Education, Capitol University, Cagayan de Oro City 2009 O 21-23
National Higher Education Research Agenda Conference, Royal Mandaya Hotel, Davao City 2009 N 12-13
9th Philippine Computing Science Congress, Silliman University, Dumaguete City 2009 Mr 2-3
6th Conference on Information Technology Information (NCITE 2008), University of the Philippines, Los Baños, Laaguna 2008 O 23-24
10th International Conference on Molecular Systems Biology (ICMSB), University of the Philippines, Diliman, Quezon City 2008 F 25-2
8th Philippine Computing Science Congress (PCSC 2009), University of the Philippines, Diliman, Quezon City 2008 F 23-24
4th Symposium on the Mathematical Aspects of Computer Science (SMACS
2007 Science Education Conference Philosophy, Technology, & Environment, Ateneo de Naga University, Fr. John J. Phelan, S.J. Science Hall, Naga City 2007 S 1

5th National Conference on Information Technology Education (NCITE 2007), Silliman University, Dumaguete City 2007 O 22-23

3rd Symposium on the Mathematical Aspects of Computer Science (SMACS 2006), Adventists University of the Philippines, Silang, Cavite 2006 O 20

2nd Symposium on the Mathematical Aspects of Computer Science (SMACS 2004), Baguio, Philippines 2004 My 26-30

Symposium on Mathematical Aspects of Computer Science (SMACS 1997), UP College of Baguio, Baguio, Philippines 1997 My 28-Je 1

Researches

Completed
Multimodal network database and analysis system for data acquisition and systems biology

Papers Presented


Publications


2009 Heath, L.S., Sioson, A.A. Semantics of multimodal network models. IEEE/ACM Transactions on Computational Biology and Bioinformatics, ISSN: 1545-


Name: Reynaldo B. Vea
Date of Birth: March 20, 1952
Gender: Male
Civil Status: Married
Home Address: Mapua Institute of Technology Intramuros, Manila 1002 PHILIPPINES

Organizational Affiliations
President, Mapua Institute of Technology, Muralla St., Intramuros, Manila

Education
PhD. in Engineering, University of California, USA

Fields of Specialization
Marine Transportation Systems
Marine Engineering
Naval Architecture
Mechanical Engineering

Employment
President and CEO, Member Board of Trustees, Mapua Institute of Technology, 2000-present-
President, Mapua Techserv, 2001-present-
Chairman, Technical Panel on Science, Technology and Engineering Education, Congressional Commission on Science & Technology and Engineering (COMSTE), 2008 F-present-
Member, Private Sector Advisory Board, Commission on Information and Communications Technology, 2005-present-
Vice-Chairman, MMDA Committee on Infrastructure Development, 2003-present-
Member, FIlpinovation Network, 2008 S-present-
Member, National Competitiveness Council, 2008 S-present-
Member, ILEP Selection Committee, International Leaders in Education Program, Phil.-American Educational Foundation, 2008 Jl-present-
Member, Fulbright Selection Committee, Fulbright Program, 2007 Ap-Je-
Dean, University of the Philippines College of Engineering, 1993-1997-
Associate Dean, University of the Philippines, 1992-1993-
Chairman, UP College of Engineering, Department of Engineering Sciences, 1985-1986; 1991-1993-
Chairman, UP College of Engineering Computer Science Program Committee, 1985-1986-
Project Leader, Engineering and Science Education Project, DOST, 1992-1993-
Chairman, UP College of Engineering Committee on Private Scholarships, 1986-1987-
Teacher - Professor, University of the Philippines College of Engineering, 1977-2000-
Executive Director, National Engineering Center, 1993-1997-
Chairman, NEC Editorial Board for Publications, 1985-1986-
Officer-in-Charge, National Center for Transportation Studies, 1993-1995-
Resource Person-UN Laws of the Sea Program, UP Law Center, 1995-1997-
Member, Advisory Council, Marine Sciences Center, 1983-1986-
Representative of UP, Quezon City Science Community, 1993-1997-
Resource Person, Philippine Merchant Marine Academy, 1992-1997-
Co-Chairman, Technical Panel on Engg. and Arch. Education, Department of Education, Culture and Sports, 1993-1994-
Member, Central Awards Board, Commission on Higher Education, 2004-2005-
Co-Chairman, Regional Evaluation Team of Experts, Commission on Higher Education, 2007-2008-
Member, Governing Council, Department of Science and Technology, Phil. Council for Industry and Energy Research and Dev., 1995-1997-
Chairman, Scientific Career Council, DOST Committee on Engineering and Technology, 2003-2004-
Member, Office of the President, I.T. and e-Commerce Council of the Republic of the Philippines, 2003-2004-
Administrator, Vice Chairman of Board of Trustees, Metropolitan Waterworks and Sewerage System, 1997-2000-
Member, Board of Trustees, MWSS Board Committee on Construction Management, 1995-1997-
Chairman, Inter-Agency Committee of Water Crisis Management, 1997-2000-
Member, National Water Resources Board (NWRB), 1997-2000-
Member, Cabinet Cluster G (Infrastructures), 1997-2000-
Member, Presidential Task Force on Water Resources Development & Management, 1997-1998-
Member, Presidential Task Force El Nino, 1997-1998-
Member, National Coordinating Council, International Training Network (ITN), 1993-1997-
Chairman, Committee on Education and Information, Metro Manila Land Transportation Coordinating Council (MMLTCC), 1994-1995-
Technical Consultant, Maritime Industry Authority (MARINA), 1983-1986-


Naval Architect and Marine Engineer, Hudson Shipbuilders, Inc., Pascagoula, Mississippi, USA, 1981-1982-

Naval Architect and Marine Engineer/ Project Manager, Herbert Engineering Corp., San Francisco, California, USA, 1982-1983-

Research Assistant, University of California at Berkeley, Institute of Transportation Studies, 1989-1991-

**Association Membership**

Member, Director (elected 2006), National Research Council of the Philippines (NRCP)

Member, Executive Council, ASEAN Academy of Engineering and Technology (AAET)

Director, Treasurer for year 2006, Philippine Association of Colleges and Universities (PACU)

Director, ex-officio, as PACU Director, Coordinating Council of Private Education Associations (COCOPEA)

Director and Treasurer, Philippine Quality and Productivity Movement (PQPM)

Vice-Chairman, Advanced Research and Competency Development Institute (ARCDI)

Director, Industrial Research Foundation

Chairman, Philippine Science High School System National Alumni Association (PSHSS-NAA)

Trustee/President, Philippine Science High School Foundation, Inc.

Member, Board of Advisers, Philippine Emerging Start-Ups Open (PESO)

Member, Editorial Board, Philippine Science Letters

President, Member Board of Trustees, Mapua Information Technology Center (MITC)

President, Member Board of Trustees, Malayan High School of Science

President, Member Board of Trustees, Malayan Colleges Laguna

President, San Lorenzo Ruiz Institute of Health Sciences

Member, Board of Management, Jaypee Institute of Information Technology (Noida, India)

Member, Board of Trustees, Yuchengco Center, De La Salle University

**Honors / Awards**

Nominee for the ASEAN Engineering Award, ASEAN 2003

Academician, NAST-DOST 2001

Fellow, Center for Integrative Development Studies, Office of the President 1995-
1997
50 Men and Women of Science, Republic of the Philippines, DOST 2008
2008 Most Outstanding Fulbrighter in Science and Technology, Philippines Fulbright Scholars Association (PFSA) 2008
Diamond Jubilee Award for Outstanding Achievement, International Honor Society of Phi Kappa Phi UP Chapter 045 2003
2001 Outstanding Professional Award in Engineering, University of the Philippines Alumni Association (UPAA) 2001
2000 Most Distinguished Alumnus, the University of the Philippines Alumni Engineers (UPAE) 2000
Outstanding Son of Balanga, Bataan, HAS Club of Balanga 2001
1993 Gawad Lagablab Award for Science and Technology Education, Philippine Science High School Alumni Association 1993
1978 Most Outstanding Male Graduate, University of the Philippines
1967 Pambihirang Talino (Extraordinary Intelligence) Award, National Movement for Science and Technology (NAMOST)

Trainings
CE Nurture Culture, Academic Program Improvement Workshop, Department of Civil Engineering, College of Engineering, University of the Philippines, Antipolo, Rizal 2008
Educational Leadership and Management Development Seminar Series, Coordinating Council of Private Ed, Manila, Philippines 2006
Risk Management, Bangko Sentral ng Pilipinas and Deutsche Bundesbank, Makati City 2006
Corporate Governance, Institute of Corporate Directors, Makati City 2006
Project Management, JICA Counterpart Training, Tokyo and Tsukuba Science City, Japan 1995
Management Seminar on Creating Industrial Links for Filipino Executives (Industry-Academe Linkages), Japan 1995
Privatization of Water and Sewerage Systems, World Bank and Aguas de Barcelona, Barcelona, Spain 1995
Local Energy Planning, Finmeccanica Training Center, Rome, Italy 1985
Groundwater Hydrology, University of California at Berkeley, USA 1983
The Finite Element Method, University of California at Berkeley, USA 1983

Researches
On-going
Wave energy generation using relative motion between two floating goodies of different spring mass-characteristics
The Globalization of Engineering Education and Practice
Regional Accreditation Systems in Engineering Education

Papers Presented


Congress, Philippine Quality and Productivity Movement (PQPM) Makati City.


Publications


Name: Gina Villegas-Pangga
Gender: Female
Civil Status: Married
Home Address: UPCO Staff Housing, UPLB, College, Laguna

Organizational Affiliations
Consultant, Testing and Promotion of Organic Fertilizers, Agri-Jade Corporation,
Assistant Professor 5, Farming System and Soil Resources Institute Agricultural System Cluster, UPLB, College, Laguna
Assistant Professor 6, Farming Systems and Soil Resources Institute Agricultural Systems Cluster, University of the Philippines Los Baños, College, Laguna 4031

Education
Ph.D. Soil Fertility and Plant Nutrition, University of New England, Australia, 2000

Fields of Specialization
- Soil Chemistry
- Farming Systems
- Agriculture and Forestry
- Plant Nutrition
- Management of Agricultural Waste and Waste Disposal Strategies

Trainings
International Conference of Solid Waste 2011 Moving Towards Sustainable Resource Management, Hongkong Convention and Exhibition Centre, Hongkong, SAR, China 2011 My 3-5
34th ASM-NAST Poster Session, Manila Hotel, Philippines 2011 Jl 13-15
7th International Federation of Organic Agriculture Movement-Organic World Congress, Namyangju, South Korea 2011
Non-Chemical Soil and Substrate Disinfections, 7th International Symposium on Chemical and Colleqi, Leuven, Belgium 2009 S 13-18
31st Annual Scientific Meeting of National Academy of Science and Technology, Manila Hotel, Manila 2009 Jl 8-9
31st Annual Scientific Meeting of National Academy of Science and Technology, Manila Hotel, Manila 2009 Jl 8-9
Quality of Organic Materials for Improved Soil Fertility in the Organic rice Production System, Go Organic 2009 Symposium, Bangkok, Thailand 2009 Ag 19-21

Researches
Completed
Documentation of Indigenous and Existing Organic Farming Practices/Technologies in Selected Southern Tagalog areas
Long Term Experiment on the Management of Crop/Plant Residues and Influences on Nutrient Supply to Rice

Ongoing
Utilization of crop residues and lesser-known plant materials as organic fertilizers/soil amendments for ornamental plant and organic vegetables production

Papers Presented

Publications
Namyangju, South Korea, 2011.


Name: Derrick Ethelbher C. Yu
Place of Birth: Manila
Date of Birth: November 14, 1976
Gender: Male
Civil Status: Single
Home Address: 352 P. Guevarra St., San Juan City

Organizational Affiliations
Associate Professor, Chemistry Department, De La salle University, Manila
Head, Materials Science and Nanotechnology Unit, De La salle University, Manila
Vice Dean, College of Science, De La Salle University, Manila

Education
Ph.D. in Chemistry, Hokkaido University, Sapporo, Japan 2008
M.S. in Chemistry, De La Salle University, Manila 2002
B.S. Major in Chemistry, De La Salle University, Manila 1998

Fields of Specialization
Molecular Engineering of Iron Phthalocyanine for Novel "photo-magneto" Dynamic Cancer Therapy
Synthesis of Ruthenium phthalocyanine with various axial ligands: promising malfunctional molecular conductors
Molecular mechanics and pharmacokinetic studies on the anti-hypoglycemic activity of dipeptidyl peptidase 4 (DPP4) inhibitors: structure-based computational drug design
Synthesis and design of molecular imprinted polymer (MIP)sorbents for cis/trans fatty acid extraction and separation
Phthalocyanine - titanium oxide nanosystem paint additive as volatile organic air pollutant oxidizer

Employment
Vice Chair, Chemistry Department, De La Salle University, Manila, 2009 Ja- 2009 D-
Supervisor, Chemistry Laboratories and Services, De La Salle University, Manila, 2003 My - 2004 Mr-
Asst. Professorial Lecturer, De La salle University, Manila, 2003 Ja- 2003 Ap-
Lecturer, De La salle University, Manila, 2001 Je -2000 D-
Asst. Lecturer, De la Salle University, manila, 2000 Je-2001 My-
Visiting Researcher, University of Tokyo, Japan, 2006 Ja -2007 D-

Association Membership
Member, Royal Society of Chemistry (UK)
Founding Members and 1st President, Philippine Society of Materials Science and Nanotechnology, Inc.

Director/Country Representatives for the Philippnes, Society of Porphyrins and Phthalocyanines (Dijon, France)

Member, American Chemical Society

Member, Chemical Society of the Philippines

**Honors / Awards**

Dr. Richard Duerr Academic Chair in Chemistry, De La Salle University 2011

Admittance (only 20 worldwide) and Scholarship to the 4th University Leadership and Management, DAAD 2011 Ji-2012 F

Scientific Paper "Stable n-n dependent conduction band of phthalocyanine molecular conductors, Royal Society of Chemistry 2011 Mr

Doctoral Scholarship, Ministry of Education, Govt. of Japan 2004 Ap - 2008 Mr

**Trainings**

4th Osaka University Computational Materials Design Workshop, De La Salle University 2011 O

1st Philippine Society of Materials SCience and Nanotechnology Conference, De La Salle University 2010 N

11th, 12th and 14th Osaka University -DLSU Research Conference, DLSU, Taft Ave., Manila 2008 S, 2009 S, 2010

**Researches**

**Completed**

Nano-Synthesis and Transport Engineering of Iron Phthalocyanine Molecular Conductor

Ligand-Based Computational Drug-Design of Kaurane Diterpene Derivatives with NF-kB Inhibitory Activity

Synthetic and Crystal Structure of Ruthenium Phthalocyanine with Monoatomic Di-Axial Ligands

Quantum Chemical Calculations of Ligand Field Effects in Metallophthalocyanine Magnetic Molecular Conductors

Synthesis of the Elusive Ruthenium Phthalocyanine with Di-Axial Bromo Ligands

**Papers Presented**

(2010 S). Molecular Similarity Analysis Betwen Ent-Kaurenoic Acid and Kaurane Diterpenoids with NF- kB Inhibitory Activity, 14th Osaka University-De La Salle University Research Conference.

**Publications**


2011 Janairo, Janairo, Yu Assessing the binding affinity of a selected class of DPP4 inhibitors using chemical descriptor-based multiple linear


2009 Hanasaki, Inoue, Matsuda, Tajima, Naito, Inabe, Yu Torque Magnetometry Measurements on TPP[Fe(Pc)L2](L=Br, Cl). Proceedings of the Meeting of the Physical Society of Japan, 2009 Ag 18, 64(2-4).


2007 Yu, Kikuchi, Taketsugu, Matsuda, Tajima, Naito, Inabe "Synthesis, Structure,
and Properties of TPP[Cr”*(Pc)Xz]z (X = CN, Cl, Br)” Proceedings of the Japan Society for Molecular Science National Conference, Sendai, Japan, Sep


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Management of Science Education Programs
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Vea, Reynaldo B.

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Vea, Reynaldo B.

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acid extraction and separation
Synthesis of Ruthenium phthalocyanine with
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molecular conductors