

# CERTIFICATE OF RECOGNITION

is presented to

**Erickson Erigio Fajiculay**

*for having successfully completed*

*International School on Atmospheric Aerosol  
Physics, Measurement and Sampling*

*held at*

*Institute of Environmental Science and Meteorology  
University of the Philippines, Diliman, Quezon City, Philippines*

*31 March - 3 April 2014*

*Organized by: RESearchers for Clean AIR, Inc.*

*Alfred Wiedensohler, Ph.D.*

Lecturer, Head, World Calibration Center for Aerosol Physics

*Edgar A. Vallar, Ph.D.*

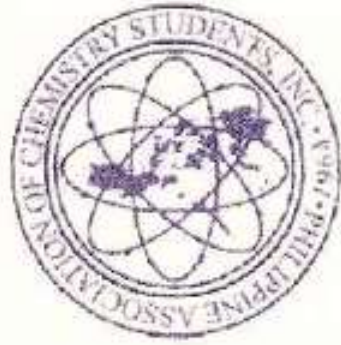
President, RESearchers for Clean AIR, Inc.



RESCUEAIR  
Leading Institute for  
Translating Research to Resolution

**TROPOS**





PHILIPPINE ASSOCIATION OF CHEMISTRY STUDENTS, INC.

presents this

*Certificate of Participation*  
to  
**Erickson Fajiculay**

For being a coach in the PACSiklaban 2011

Given this 26<sup>th</sup> day of February 2011 at the AMV-COA Multipurpose-I Hall  
University of Santo Tomas, España, Manila



International Year of  
**CHEMISTRY**  
2011

  
**John P. Paulin**  
President

  
**Dr. Nestor S. Valera, Ph.D.**  
Honorary Adviser

  
**Dr. Christina A. Binag, Ph.D.**  
Adviser





Dept. of Science and Technology



Province of Negros Oriental



League of the Local Planning and  
Development Coordinators of the  
Philippines Negros Oriental Chapter, Inc.

Awards this

## **Certificate of Appreciation**

to

**Erickson E. Fajiculay**

**For providing outstanding professional service during the conduct of**

**Appreciation / Refresher Training on PHIVOLCS'**

**Rapid Earthquake Damage Assessment System (REDAS)**

**Held at Bethel Guest House, Dumaguete City, Negros Oriental on October 2-3, 2012.**

*Given this 3<sup>rd</sup> day of October 2012.*

*For:*

**JOCELYN P. GONGB**

Provincial Planning and  
Development Coordinator  
Province of Negros Oriental

*For:*

**GILBERT P. ARBON**

Provincial Director  
DOST  
Province of Negros Oriental

*For:*

**HON. ROEL R. DEGAMO**

Governor  
Province of Negros Oriental





Republic of the Philippines  
Province of Eastern Samar

PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL



awards this

## CERTIFICATE OF APPRECIATION

to

**ERIOSON E. RAJICULAY**

in recognition of his valuable contributions and active participation in the  
**Mainstreaming Disaster Risk Reduction into Local Development Planning  
Process through the Provision and Training on the Use of REDAS  
Software as**

**RESOURCE SPEAKER/ FACILITATOR.**

Held at Hotel Alejandro, Paterno Street, City of Tacloban, Leyte on November 18—23, 2012.

Given this 23rd day of November, 2012.

**HON. CONRADO B. NICART, JR.**

GOVERNOR, PROVINCE OF EASTERN SAMAR  
PDRMC CHAIRMAN



**NANYANG  
TECHNOLOGICAL  
UNIVERSITY**

THE UNIVERSITY OF  
**WARWICK**

**2018 NTU-WARWICK WINTER SCHOOL  
INTRODUCTION TO COMPLEXITY SCIENCE**

***Certificate of Attendance***

is awarded to

***Erickson Erigio Fajiculay***

for successfully completing the 2018 Winter School jointly organised  
by NTU Complexity Institute & Warwick Centre for Complexity Science  
22 – 23 & 26 – 28 March 2018  
Singapore

**Professor Peter M. A. Sloot**  
Co-Director,  
NTU Complexity Institute

**Professor J. Stephen Lansing**  
Co-Director,  
NTU Complexity Institute



Philippine Center for Creative Imaging

# Certificate of Achievement

This is to certify that

**Erickson Fajiculay**


has successfully completed the 3-day training course

*JavaScript and jQuery for Web Interactivity*

granted by

Philippine Center for Creative Imaging

this 23rd day of June 2013

  
Deogracias Arellano  
Instructor

  
Mark D. Miranda  
President





Republic of the Philippines  
Department of Science and Technology  
**ADVANCED SCIENCE AND TECHNOLOGY INSTITUTE**

*award this*

# *Certificate of Completion*

*to*

**Erickson E. Fajiculay**

*for having completed the*

**"PHP/MySQL For Developers Training"**

*from June 25 to 29, 2012*

Given this 29th day of June 2012 at the Advanced Science and Technology Institute (ASTI) Bldg.,  
UP Technology Park Complex, C.P. Garcia Avenue,  
UP Campus, Diliman, Quezon City

**DENIS F. VILLORENTE**  
*Director, DOST - ASTI*

**MINI MAY MARKIE B. MEDEL**  
*Training Resource Person*



Republic of the Philippines  
**Polytechnic University of the Philippines**  
*Sta. Mesa, Manila*

# **CERTIFICATE OF RECOGNITION**

is hereby awarded to

**ERICKSON E. FAJICULAY**

(College of Science)

for having won **3rd Place** in  
**MATHEMATICS CONTEST**  
in the Centennial University Academic Contests, 2004

Given on the 28<sup>th</sup> day of September, 2004  
on the occasion of the "D-Day of the Champions"  
in celebration of the 100<sup>th</sup> Founding Anniversary  
of the Polytechnic University of the Philippines  
at the Bulwagang Balagtas, PUP-NALRC, Sta. Mesa, Manila

**Dr. ROMAN R. DANNUG**  
*Committee Chairman*  
University Academic Contests & Prizes, 2004

**Dr. SAMUEL M. SALVADOR**  
*Executive Committee Chairman*  
100<sup>th</sup> University Foundation Anniversary

*"100 Years of Championing Academic Excellence"*





PHILIPPINE ASSOCIATION OF CHEMISTRY STUDENTS, Inc.

## CERTIFICATE OF PARTICIPATION

This certificate is awarded to

Erickson E. Fajiculay

For competing in the

### PACSIKLABAN 2007

Given this 25th of February at the Walter Hogan Conference Hall at the  
Institute of Social Order, Ateneo de Manila University

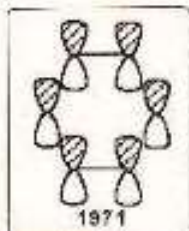
Michael Pineda,  
president

May Mae O. Mangapic  
VP Academic Affairs

Nestor Valera, Ph.D.  
Adviser



Kapisanang Kimika  
ng Pilipinas (KKP)



Organic Chemistry  
Teachers  
Association (OCTA)

## Certificate of Attendance

This is awarded to

### ERICKSON E. FAJICULAY

for having attended the KKP-OCTA Day  
of 2007 National Chemistry Week with the theme  
**"Scientists as SuperSleuths:  
A Symposium on Forensic Sciences"**

held on 21 February 2007  
at the Walter Hogan Conference Center  
Institute of Social Order, Ateneo de Manila University  
Quezon City

NESTOR VALERA  
Chair, Organizing  
Committee

IRENE VILLASEÑOR  
President, KKP

MARIBEL NONATO  
President, OCTA





POLYTECHNIC UNIVERSITY OF THE PHILIPPINES  
COLLEGE OF SCIENCE

presents this



*Certificate of Participation*

to

*Erickson Fajiculay*

*For his/her active participation in the*

CS ACADEMIC CONTEST  
SCIENCE QUIZ BFF

*held on August 3, 2006 at the 6<sup>th</sup> floor South Bridge, Main Bldg.*

*Given this 3<sup>rd</sup> day of August 2006  
at the Polytechnic University of the Philippines, Sta. Mesa, Manila.*

Dr. Joseph Mercado  
Dean



PHILIPPINE ASSOCIATION OF CHEMISTRY STUDENTS, INC.

presents this

**CERTIFICATE OF PARTICIPATION**

to

*Erickson Fajiculay*

for actively participating in the  
**PACSiklaban 2006**

*Given this 26<sup>th</sup> of February 2006 at the Diosdado Macapagal Hall,  
School of Economics, University of the Philippines Diliman, Quezon City, Philippines*

Anna Angela Camille B. Antonio  
President, PACS, Inc.

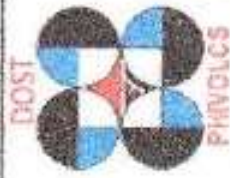
  
Christina A. Binag, Ph. D.  
Faculty Adviser, PACS, Inc.

Omar M. Pecho  
VP for Academic Affairs, PACS, Inc.

Nestor S. Valera, Ph. D.  
Faculty Adviser, PACS, Inc.







**REDAS**

Rapid Earthquake Damage Assessment System



# **CERTIFICATE OF COMPLETION**

is presented to

**ERICKSON FAJICULAY**

for successfully completing the

**Training on the Use of REDAS Software**

held from 21st to 25th of May 2012 at PHIVOLCS Auditorium, PHIVOLCS Building, UP Campus, Diliman, Quezon City

Given this 25th day of May 2012

  
**RENATO U. SOLIDUM, JR.**  
Director, PHIVOLCS - DOST



# *Polytechnic University of the Philippines*

SciTech R&D Center  
Office of the Vice President for Research & Development  
and

Department of Natural Sciences  
College of Science  
Award this

## **CERTIFICATE OF PARTICIPATION** to

*Erickson E. Fajiculay*

during the Symposium on  
*Sustainable Development – Walking the Talk*

July 29, 2005 at 8:00 p.m.  
Recreational Hall, NALRC  
Given this 29<sup>th</sup> day of July 2005

Recreational Hall, NALRC  
Polytechnic University of the Philippines  
Sta. Mesa, Manila

*Zenaida R. Sarmiento*  
Dr. ZENaida R. SARMIENTO  
Chairperson, NSD-CS

*Joy G. Hofileña*  
Dr. JOY G. HOFILEÑA  
Director, SciTech R&D  
Center

*Fajiculay E. 1-2*



**POLYTECHNIC UNIVERSITY OF THE PHILIPPINES**  
**COLLEGE OF SCIENCE**  
Department of Natural Sciences  
Mabini Campus, Sta. Mesa, Manila



presents this

## **Certificate of Attendance**

to

*Erickson Fajiculay*

For participating in the lecture about "Non – Classicality and Entanglement of Lightfield"  
conducted by Dr. Young Chul Kim, Ph. D. in Physics, visiting lecturer from Sunmoon University, Korea.

Given this 27<sup>th</sup> day of January, 2005 at the Amado V. Hernandez Hall,  
Ninoy Aquino Learning Resource Center, Polytechnic University of the Philippines, Sta. Mesa Manila.

*Zenaida R. Sarmiento*  
Dr. Zenaida R. Sarmiento  
Chair, Department of Natural Sciences

*Normida B. Gorospe*  
Dr. Normida B. Gorospe  
Dean, College of Science





**Polytechnic University of the Philippines**  
**COLLEGE OF SCIENCE**  
Sta. Mesa, Manila



This

## ***Certificate of Recognition***

is hereby awarded to

**ERICKSON E. FAJICULAY**

in recognition of his invaluable services as

**PANELIST**

during the thesis deliberation held at CS Audio Visual Room  
wherein the best thesis for each of the 5 programs were  
chosen. Through him and his as panelists, the College is  
assured that it will be given to the most deserving the Best in  
Thesis Award.

Given this 22<sup>nd</sup> day of March 2010  
at the CS Audio Visual Room  
Polytechnic University of the Philippines  
Sta. Mesa, Manila

  
**DR. ZENALDA R. SARMIENTO**  
Dean



# POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

College of Arts  
Department of Psychology




Present this

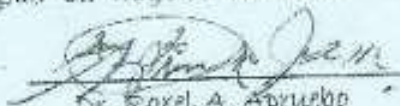
## CERTIFICATE OF PARTICIPATION

To

**Erickson Fajiculay**

In grateful acknowledgment of his/her active involvement and valuable contribution to the fulfillment of the ideals and objectives of the seminar/workshop in *"Traumatology: Understanding the Nature of Trauma, its Symptoms and Impact"* held at the Claro M. Recto Hall, Polytechnic University of the Philippines Mabini Campus on August 10, 2005.

  
Dr. Miriam A. Padolina  
Chairperson, Dept. of Psychology

  
Dr. Roxel A. Apruebo  
Adviser



Polytechnic University of the Philippines  
Sta. Mesa, Manila



## COLLEGE OF SCIENCE

awards this

## CERTIFICATE OF PARTICIPATION


to

**ERICKSON FAJICULAY**

for taking part in the *CS ACADEMIC CONTEST 2005 - GENERAL SCIENCE*  
held on July 21, 2005 at the CS AVR, 5<sup>th</sup> floor, PUP Manila.

  
Prof. Rowena M. Patiak  
Head, Academic Contest

  
Prof. Flora Capila  
Head, Academic Contest

  
Dr. Zenaida Sarmiento  
Chairperson, Department of  
Natural Science

  
Dr. Norrita B. Gorospe  
Dean, College of Science



This  
**CERTIFICATE OF RECOGNITION**

is given to

*ERICKSON E. FAJICULAY*

for

**Academic Excellence Award**  
School Year 2005-2006

Given this 23<sup>rd</sup> day of March 2006  
College of Science Audiovisual Room, 5<sup>th</sup> Floor, S-Wing  
Polytechnic University of the Philippines, Manila

  
**Dr. NORMITA B. GOROSPE**  
Dean, College of Science

Republic of the Philippines  
Polytechnic University of the Philippines



College of Science



1904-2004:  
100 years of  
Excellent and Quality Services  
to the Filipino People



**POLYTECHNIC UNIVERSITY OF THE PHILIPPINES**  
Sta. Mesa, Manila

**College of Science**  
**Department of Mathematics and Statistics**

This

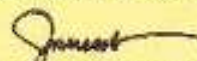
**Certificate of Appreciation**

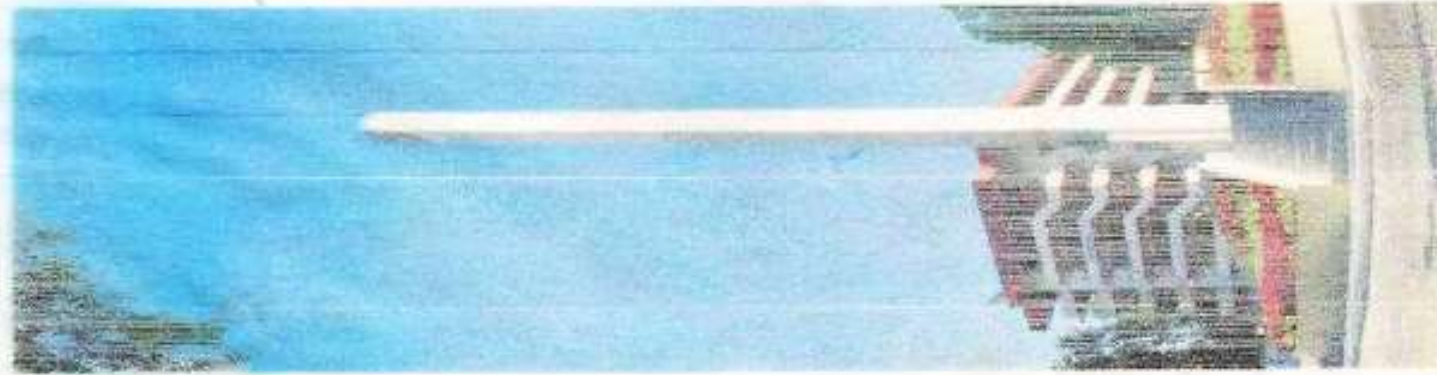
is given to

*Erickson E. Fajiculay* (PUP-CS-Sta. Mesa)

for his/her participation to the 1<sup>st</sup> Nationwide Search for Math Wizard held on  
August 5, 2006 at the Recreational Hall, Ninoy Aquino Learning Resource Center,  
Polytechnic University of the Philippines, Sta. Mesa, Manila.

  
**Prof. Myrna G. Cruz**  
Chairperson, Department of Mathematics & Statistics

  
**Dr. Joseph Mercado**  
Dean, College of Science



**Polytechnic University of the Philippines**



**College of Science**



Sta. Mesa, Manila

This  
**Certificate of Appreciation**

is given to

***Erickson E. Fajiculay***

Third Year B.S. Chemistry (GPA: 1.54)

for

**Academic Excellence  
School Year 2006-2007**

Given this 30<sup>th</sup> day of March, 2007 at Claro M. Recto Hall, 6<sup>th</sup> floor South Wing  
Main Campus, Sta. Mesa, Manila

*Zenaida R. Sarmiento*  
Dr. Zenaida R. Sarmiento

Chairperson, Department of Natural Sciences

*Myna G. Cruz*  
Prof. Myna G. Cruz

Chairperson, Department of Mathematics  
and Statistics

*Joseph Mercado*  
Dr. Joseph Mercado  
Dean, College of Science





POLYTECHNIC UNIVERSITY OF THE PHILIPPINES  
COLLEGE OF SCIENCE  
Department of Natural Sciences  
Sta. Mesa, Manila



presents this

*Certificate of Recognition*

to

**ERICKSON FAJICULAY**

for placing First in

**CHEM-IZING RACE '07**

in the celebration of the annual Chemistry Week of the PUP-Chemical Society  
with the theme "Chemistry & Life: Continuously Soaring to Prominence".

Given this 10<sup>th</sup> day of February, 2007 at the CS 219, 3<sup>rd</sup> Floor - South Wing,  
Ateneo Center, Polytechnic University of the Philippines, Sta. Mesa, Manila.

MS. CLARA FRANCESCA TEVBS

Assistant, PUP - Chemical Society

DR. ZENaida S. SARMIENTO

Chair, Department of Natural Sciences

ENGR. LIDUVINA C. NERY

Adviser, PUP - Chemical Society

DR. JOSEPH MERCADO

Dean, College of Science

# This **CERTIFICATE OF RECOGNITION**

is given to

**ERICKSON E. FAJICULAY**

as

**4<sup>th</sup> place in the PACSIKLABAN  
held in UP Diliman**

Given this 23<sup>rd</sup> day of March 2006  
College of Science Audiovisual Room, 5<sup>th</sup> Floor, S-Wing  
Polytechnic University of the Philippines, Manila

**Dr. NORMITA B. GOROSPE**

Dean, College of Science

Republic of the Philippines  
Polytechnic University of the Philippines



College of Science



1904-2004:  
100 years of  
Excellent and Quality Services  
to the Filipino People



# Polytechnic University of the Philippines



**College of Sciences**

Sta. Mesa, Manila



*awards this*

## **Certificate of Appreciation**

to

**Erickson Fajicnlay**

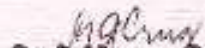
In grateful appreciation of his contribution and invaluable service rendered as  
committee member during the

### **"Seminar on Personality Development"**


Given this 16<sup>th</sup> day of March 2009 at the Claro M. Recto Hall, 5<sup>th</sup> Floor, South Wing  
Main Campus, Sta. Mesa, Manila

  
**Dr. Lourdes V. Alvarez**

Chair, Personality Development Seminar

  
**Prof. Myrna G. Cruz**

Chairperson, Department of Mathematics  
and Statistics

  
**Dr. Joseph Mercado**  
Dean, College of Science





Polytechnic University of the Philippines



College of Science

Sta. Mesa, Manila

presents this

# CERTIFICATE OF APPRECIATION

to

*Erickson E. Fajiculay*

for his paper entitled

COMPARATIVE HYPOGLYCEMIC ACTIVITY DETERMINATION AND  
CHARACTERIZATION OF POTENTIALLY ACTIVE METABOLITES  
FROM THE LEAVES OF SYZYGIUM MALACCENSE (MAKOPA)  
AND MOMORDICA CHARANTIA (AMPALAYA)

*delivered during the Third Students' Research Colloquium*

*held on July 23, 2008 at the CS Audio-Visual Room*

*Given this 23<sup>rd</sup> day of July 2008 at the Polytechnic University of the Philippines,  
Sta. Mesa, Manila*

*[Signature]*

**Prof. Bernadeth G. Nobles**

Chief, CS Research and Extension Services Office  
CS Accreditation Coordinator

*[Signature]*

**Prof. Myrna G. Cruz**

Chairperson, Department of Mathematics & Statistics

*[Signature]*

**Prof. Liwayway M. Cruz**

Chairperson, Department of Natural Science

*[Signature]*

**Dr. Joseph Mercada**

Dean, College of Science



PUP - CHEMICAL SOCIETY

POLYTECHNIC UNIVERSITY OF THE PHILIPPINES  
COLLEGE OF SCIENCE  
Department of Natural Sciences  
Sta. Mesa, Manila



presents this

*Certificate of Participation*

to

**ERICKSON E. FAJICULAY**

For having attended the Seminar entitled

**"Food & Public Safety"**

in the celebration of the annual Chemistry Week of the PUP Chemical Society  
with the theme "Chemistry W/ In Continuously Seeking for Excellence"

Given this 17<sup>th</sup> day of February, 2007 at the CS Bldg, 5<sup>th</sup> Floor - South Wing,  
Main Campus, Polytechnic University of the Philippines, Sta. Mesa, Manila

MS. CLARA FRANCHESCA LIVES

President, PUP - Chemical Society

DR. ZENAIDA R. SARMIENTO  
Asst. Department of Natural Sciences

ENGR. LIDUVINA C. NERY  
Advisor, PUP - Chemical Society

DR. JOSEPH MERCADO  
Dean, College of Science



PUP - CHEMICAL SOCIETY  
POLYTECHNIC UNIVERSITY OF THE PHILIPPINES  
COLLEGE OF SCIENCE  
Department of Natural Sciences  
Sta. Mesa, Manila

presents this

*Certificate of Participation*

to

**ERICKSON E. FAJICULAY**

For having attended the Seminar entitled

**"Meeting with the Board of Examiner"**

in the celebration of the annual Chemistry Week of the PUP Chemical Society  
with the theme "Chemistry W/ In Continuously Seeking for Excellence"

Given this 21<sup>st</sup> day of February, 2007 at the CS Bldg, 5<sup>th</sup> Floor - South Wing,  
Main Campus, Polytechnic University of the Philippines, Sta. Mesa, Manila

MS. CLARA FRANCHESCA LIVES

President, PUP - Chemical Society

DR. ZENAIDA R. SARMIENTO  
Asst. Department of Natural Sciences

ENGR. LIDUVINA C. NERY  
Advisor, PUP - Chemical Society

DR. JOSEPH MERCADO  
Dean, College of Science





POLYTECHNIC UNIVERSITY OF THE PHILIPPINES  
College of Science  
Department of Natural Sciences  
PUP Chemical Society  
presents this

## **Certificate of Participation**

to

*Brickson B. Fajuelay*

for having attended the

**"Forensic Chemistry: the Science of Investigation"**

held on 18<sup>th</sup> day of February, 2005 at the CS AVR 5<sup>th</sup> floor South Wing Main Building, Mabini Campus

*Lidlyna C. Nery*  
**ENGR. LIDLYNA C. NERY**  
Adviser, PUP Chemical Society

*Zenaida R. Sarmiento*  
**DR. ZENAIDA R. SARMIENTO**  
Chairperson, Dept. of Natural Sciences

*Christian Jay B. Cambador*  
**MR. CHRISTIAN JAY B. CAMBADOR**  
President, PUP Chemical Society

*Abigail P. CID*  
**PROF. ABIGAIL P. CID**  
Co-Adviser, PUP Chemical Society

*Normita B. Gorospe*  
**DR. NORMITA B. GOROSPE**  
Dean, College of Science



Philippine Association of Chemistry Students  
Department of Chemistry  
College of Sciences  
Adamson University


The Philippine Association of Chemistry Students, Inc. hereby announces that

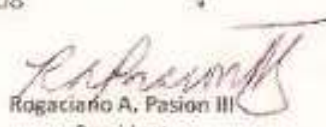
## Certificate of Participation

**Erickson Fajiculay**

Polytechnic University of the Philippines

For actively participating as a contestant in the  
**PACSiklaban Inter-Collegiate Chemistry Quiz Competition**  
Held during the 1<sup>st</sup> PACSync, at the Quezon City Sports Club.  
during this 23<sup>rd</sup> day of February, 2008

  
Jose Ramon Miguel M. Canillas  
Vice-President for Academic Affairs  
PACS, Inc.

  
Rogacio A. Pasion III  
President  
PACS, Inc.



POLYTECHNIC UNIVERSITY OF THE PHILIPPINES  
Sta. Mesa, Manila


awards this

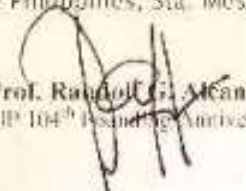
## CERTIFICATE OF APPRECIATION


to  
**ERICKSON E. FAJICULAY**


for having shared his/her expertise and invaluable services as **MEMBER** of the  
**ORGANIZING COMMITTEE** of the University General Science Quiz Bee 2008  
held on September 17, 2008 in celebration of the University's 101<sup>st</sup> Founding Anniversary  
with the theme: "PUP at 101: Achieving Greater Heights in Unity and Cooperation."

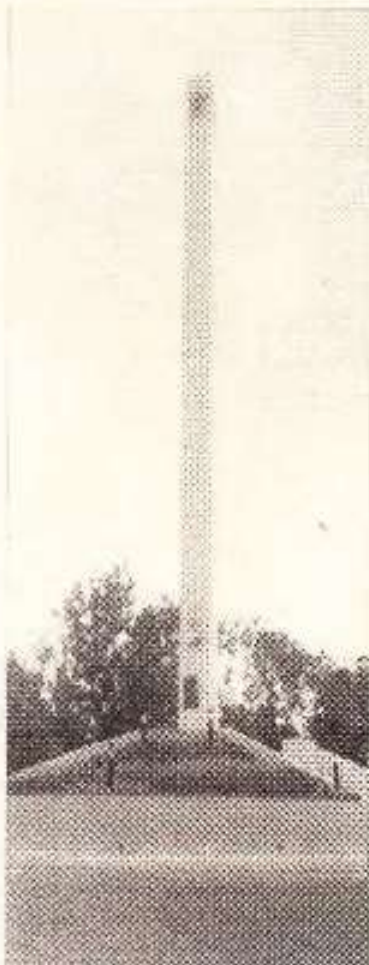
Given this 30<sup>th</sup> day of September 2008 at the Bulwagang Balagtas, Ninoy Aquino Library and  
Learning Resources Center, Polytechnic University of the Philippines, Sta. Mesa, Manila

  
Dr. Joseph Mercado  
Chair, University Academic Contests 2008

  
Prof. Randolph G. McAntara  
Overall Chair, PUP 104<sup>th</sup> Founding Anniversary Celebration

  
Dr. Victoria C. Naval  
Executive Vice President

  
Dr. Dante G. Guevarra  
President





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**Codility**

## CODILITY AWARD

Codility confirms that a person who identified to us on-line as:

**Erickson Fajiculay**

was awarded

Codility Golden Award for the The Doge 2021 Challenge

This is the **211st** Codility Golden Award granted this month.

[Review detailed assessment](#)

AWARD TYPE:	Codility Golden Award (The Doge 2021)
EXPIRATION DATE:	2023-02-27 17:00:00 GMT
CHALLENGE POSTED:	2021-02-27 17:00:00 GMT
CHALLENGE SOLVED:	2021-03-22 11:08:13 GMT
TIME SINCE POSTED:	23 days ago
ASSESSMENT:	correct functionality and scalability

**Codility**

Codility assesses programming skills by applying actual programming tasks.

The bearer of this Award has delivered an acceptable solution to one of our programming challenges.

Get [Codility Recruiter's Account](#) to verify programming skills of job candidates quickly and reliably.

By using our site you are agreeing that we can use cookies in accordance with our [Cookie Policy](#) [Got it](#)

Codility\_

## CODILITY AWARD

Codility confirms that a person who identified to us on-line as:

**Erickson Fajiculay**

was awarded

Codility Golden Award for the May the 4th Challenge Challenge

This is the **418th** Codility Golden Award granted this month.

[Review detailed assessment](#)

AWARD TYPE:	Codility Golden Award (May the 4th Challenge)
EXPIRATION DATE:	2023-05-04 17:00:00 GMT
CHALLENGE POSTED:	2021-05-04 17:00:00 GMT
CHALLENGE SOLVED:	2021-05-28 05:52:04 GMT
TIME SINCE POSTED:	24 days ago
ASSESSMENT:	correct functionality and scalability

Codility\_

Codility assesses programming skills by applying actual programming tasks.

The bearer of this Award has delivered an acceptable solution to one of our programming challenges.

Get [Codility Recruiter's Account](#) to verify programming skills of job candidates quickly and reliably.



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**Codility**

## CODILITY AWARD

Codility confirms that a person who identified to us on-line as:

**Erickson Fajiculay**

was awarded

Codility Silver Award for the The Great Code Off 2021 Challenge

This is the **9th** Codility Silver Award granted this month.

[Review detailed assessment](#)

AWARD TYPE: \_\_\_\_\_ Codility Silver Award (The Great Code Off 2021)  
EXPIRATION DATE: \_\_\_\_\_ 2023-03-27 17:00:00 GMT  
CHALLENGE POSTED: \_\_\_\_\_ 2021-03-27 17:00:00 GMT  
CHALLENGE SOLVED: \_\_\_\_\_ 2021-03-27 17:36:34 GMT  
TIME SINCE POSTED: \_\_\_\_\_ 37 minutes ago  
ASSESSMENT: \_\_\_\_\_ correct functionality, problems with scalability

**Codility**

Codility assesses programming skills by applying actual programming tasks.

The bearer of this Award has delivered an acceptable solution to one of our programming challenges.

Get [Codility Recruiter's Account](#) to verify programming skills of job candidates quickly and reliably.

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Codility\_

## CODILITY AWARD

Codility confirms that a person who identified to us on-line as:

**Erickson Fajiculay**

was awarded

Codility Golden Award for the Molybdenum 2019 Challenge

This is the **33rd** Codility Golden Award granted this month.

[Review detailed assessment](#)

AWARD TYPE:	Codility Golden Award (Molybdenum 2019)
EXPIRATION DATE:	2021-07-13 17:00:00 GMT
CHALLENGE POSTED:	2019-07-13 17:00:00 GMT
CHALLENGE SOLVED:	2019-07-14 18:00:02 GMT
TIME SINCE POSTED:	a day ago
ASSESSMENT:	correct functionality and scalability

Codility\_

Codility assesses programming skills by applying actual programming tasks.

The bearer of this Award has delivered an acceptable solution to one of our programming challenges.

Get [Codility Recruiter's Account](#) to verify programming skills of job candidates quickly and reliably.



## CODILITY AWARD

Codility confirms that a person who identified to us on-line as:

**Erickson Fajiculay**

was awarded

Codility Golden Award for the Palladium 2020 Challenge

This is the **622nd** Codility Golden Award granted this month.

[Review detailed assessment](#)

AWARD TYPE: ..... Codility Golden Award (Palladium 2020)

EXPIRATION DATE: ..... 2022-02-21 17:00:00 GMT

CHALLENGE POSTED: ..... 2020-02-21 17:00:00 GMT

CHALLENGE SOLVED: ..... 2020-05-04 18:08:03 GMT

TIME SINCE POSTED: ..... 73 days

ASSESSMENT: ..... correct functionality and scalability

**Codility\_**



## CODILITY AWARD

Codility confirms that a person who identified to us on-line as:

**Erickson Fajiculay**

was awarded

Codility Golden Award for the Ruthenium 2019 Challenge

This is the **91st** Codility Golden Award granted this month.

[Review detailed assessment](#)

AWARD TYPE: ..... Codility Golden Award (Ruthenium 2019)

EXPIRATION DATE: ..... 2021-11-23 17:00:00 GMT

CHALLENGE POSTED: ..... 2019-11-23 17:00:00 GMT

CHALLENGE SOLVED: ..... 2019-12-18 17:07:14 GMT

TIME SINCE POSTED: ..... 25 days

ASSESSMENT: ..... correct functionality and scalability

**codility**





## CODILITY AWARD

Codility confirms that a person who identified to us on-line as:

**Erickson Fajiculay**

was awarded

Codility Golden Award for the Technetium 2019 Challenge

This is the **48th** Codility Golden Award granted this month.

[Review detailed assessment](#)

AWARD TYPE: ..... Codility Golden Award (Technetium 2019)

EXPIRATION DATE: ..... 2021-10-12 17:00:00 GMT

CHALLENGE POSTED: ..... 2019-10-12 17:00:00 GMT

CHALLENGE SOLVED: ..... 2019-10-15 08:29:48 GMT

TIME SINCE POSTED: ..... 2 days

ASSESSMENT: ..... correct functionality and scalability

**codility**



# 臺灣學術倫理教育資源中心

## 修課證明

證書第 S107010337 號

艾瑞克 Erickson Erigio Fajiculay先生/小姐 (國立清華大學)

茲證明 貴修臺灣學術倫理教育資源中心之「學術研究倫理教育課程」，並通過課程總測驗，修課時數累積共 6 小時 0 分鐘。

修課課程單元 (測驗通過日期)：

0101_研究倫理定義與內涵	10/09/2018
0102_研究倫理專業規範與個人責任	10/09/2018
0103_研究倫理的政府規範與政策	10/09/2018
0104_不當研究行為：定義與類型	10/09/2018
0105_不當研究行為：性騷擾與篡改資料	10/09/2018
0106_不當研究行為：抄襲與剽竊	10/09/2018
0107_不當研究行為：自我抄襲	10/09/2018
0108_學術寫作技巧：引述	10/09/2018
0109_學術寫作技巧：改寫與轉寫	10/09/2018
0112_著作權基本概念	10/09/2018
0110_學術寫作技巧：引用著作	10/09/2018
0113_個人資料保護法基本概念	10/09/2018
0114_隱私權基本概念	10/09/2018
0115_受試者保護原則與實務	10/09/2018
0111_論文作者定義與排名原則	10/09/2018
0117_認識學術誠信	10/09/2018
0116_研究資料管理概述	10/09/2018
0201_研究中的利益衝突	10/09/2018

此證

臺灣學術倫理教育資源中心



臺灣學術倫理教育資源中心  
Center for Taiwan Academic Research Ethics Education

中華民國 107 年 10 月 9 日



# Center for Taiwan Academic Research Ethics Education

## Certificate of Completion

Certification No. S107010337

This is to certify that Mr./Ms. 艾瑞克 Erickson Erigio Fajiculay (National Tsing Hua University) has participated in "Academic Research Ethics Education Courses", completed a total of 6 hours 0 minutes of courses, and successfully passed the corresponding examination.

Course(s) Completed(Examination Passing Date):

0101_Introduction to Research Ethics: Definition and Content	10/09/2018
0102_Professional Norms and Personal Responsibility in Research Ethics	10/09/2018
0103_Government Regulations and Policies in Research Ethics	10/09/2018
0104_Research Misconduct: Definition and Types	10/09/2018
0105_Research Misconduct: Fabrication and Falsification	10/09/2018
0106_Research Misconduct: Plagiarism	10/09/2018
0107_Research Misconduct: Self-Plagiarism	10/09/2018
0108_Academic Writing Skill: Quoting	10/09/2018
0109_Academic Writing Skill: Paraphrasing and Summarizing	10/09/2018
0112_Basic Concepts of Copyright	10/09/2018
0110_Academic Writing Skill: Referencing	10/09/2018
0113_Basic Concepts of the Personal Information Protection Act	10/09/2018
0114_Basic Concepts of Privacy	10/09/2018
0115_Principles and Practice of Human Subject Protection	10/09/2018
0111_Definition and Principles of Authorship	10/09/2018
0117_Understanding Academic Integrity	10/09/2018
0116_An Overview of Research Data Management	10/09/2018
0201_Conflict of Interest in Research	10/09/2018

**Certified by**  
**Center for Taiwan Academic Research Ethics Education**



**Date of Issue(mm/dd/yyyy):** 10/09/2018

Date of Download (mm/dd/yyyy) : 10/09/2018 01:33:06

# Certificate of Completion

Certification No.1072034

Date: 22-Sep-2018

This is to certify that Mr./Ms. Erickson Erigio Fajiculay has participated in “**2018 TIGP Ethics Course**”, completed a total of **6 hours** of the following lectures:

- Scientific Misconducts: Stories and Lessons Learned
- Academia Integrity of Statistical Practice
- Toward a Successful Graduate Career: the Why, the Stakes, and Some Ropes

Certified by Program for Promotion of Research Integrity;  
PPRI, Academia Sinica



中央研究院  
ACADEMIA SINICA



**Department of Geology**

Martin J. Streck, Professor and Chair

17 Cramer Hall, 1721 SW Broadway  
Portland, Oregon 97207-0751

503-725-3379 tel  
503-725-3025 fax  
[streckm@pdx.edu](mailto:streckm@pdx.edu)

20 June 2017

Dr. Erickson Erigio Fajiculay  
Nanyang Technological University  
Singapore-Earth Observatory of Singapore  
50 Nanyang Avenue, Block N2-01b-30  
Singapore 639798

REF: 2017 IAVCEI 2017 Scientific Assembly

Abstract ID: 974

Abstract Title: Improving WOVOdat Online Tools For Eruption Forecasts

Dear Dr. Fajiculay,

Thank you for submitting an abstract for consideration for the 2017 IAVCEI Scientific Assembly that will be held 7-25 August in Portland, Oregon, USA. Your submission has been accepted by the program committee.

This letter serves as an invitation for you to attend the 2017 IAVCEI 2017 Scientific Assembly. The Assembly is open to all those with related interests in the Earth and space sciences. Participation in the meeting includes attending sessions in your areas of interests and an opportunity to communicate with others working in the field of geological sciences.

This is an invitation to participate in the meeting, but not a personal sponsorship of your stay in Portland. You will need to secure your own funding for travel, registration, and housing expenses as needed. Please refer to the IAVCEI website for information at: <http://iavcei2017.org>.

We look forward to your attendance at the 2017 IAVCEI Scientific Assembly.

Sincerely,



Martin J. Streck  
Co-Chair IAVCEI 2017 Scientific Assembly

**THANK YOU!**

If at any time you have questions or need assistance, please contact our Member Service Center at [service@agu.org](mailto:service@agu.org) (mailto:service@agu.org), or call the Member Service Center at 800.966.2481 (toll-free in North America) or +1 202.462.6900 to speak with a representative.

*Thank you for being a part of AGU!*

**Mr Erickson Erigio Fajiculay**

efajiculay@yahoo.com

Billing Address:

234 Westwood Avenue #05-36

Singapore, 648361

Member #

**784306**

Invoice #

**2854787133**

Date: 02/15/2017 3:11am EST

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Geochemistry Membership

\$0.00

Regular Membership

\$50.00

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\$0.00

Volcanology/Petrology Membership

\$0.00



**TOTAL:**

**\$50.00**

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Fax: +1 202 777 7393

E-mail: [service@agu.org](mailto:service@agu.org) (mailto:service@agu.org)

## 會員啟用通知

From: 臺灣理論計算分子科學學會 (t2comsa@gmail.com)

To: efajiculay@yahoo.com

Date: Monday, 25 November 2019, 10:36 am GMT+8

親愛的會員 艾瑞克 您好

感謝您加入臺灣理論計算分子科學學會,以下為您的基本資料

Thank you for joining T2COMSA. The following is your membership account details:

會員基本資料 Membership Account Details

會員編號 Membership No: S-000125

會員類別 Membership Type: 學生會員

有效期間 Effective Period: 2019-08-01 ~ 2020-07-31

服務單位 Institute/University: National Tsinghua University/Academia Sinica

您亦可至以下連結, 以您註冊的email或是會員編號登入, 並修改您的會員資料,

Visiting the following URL, you can log in via your registered email or membership number, and modify your membership information.

<http://gtest.chem.sinica.edu.tw/t2comsa/member/login.php?mTitle=login>

您的繳費收據將於近期寄送至您的服務單位, 若您已收到繳費收據請忽略此訊息。

Your payment receipt will be sent to your institute/university in the near future. If you have received the payment receipt, please ignore this message

祝 順心

Sincerely,

台灣理論計算分子科學學會 系統管理員

Administrator of T2COMSA

Email: t2comsa@gmail.com





### Receipt

Reference Number 25125784  
 Date Registered 06/05/2017  
 Statement Date 06/05/2017

Event IAVCEI 2017

#### Event Details

Selection	Cost
Non-Member: Erickson Fajiculay	
Professional Non-Member	\$600.00
<b>Sub Total:</b>	<b>\$600.00</b>
	<b>Total \$600.00</b>

### Billed To

**Billing Company** Nanyang Technological University - EOS  
**Name** Fidel Costa R  
**Address Line 1** Nanyang Technological University - EOS  
**City** Singapore  
**US State** Singapore  
**Billing Zip/Postal Code** 639798  
**Country** Singapore  
**Email Address** efajiculay@ntu.edu.sg

Date	Transaction Type	
06/05/2017	Transaction Amount	\$600.00
06/05/2017	Online Credit Card Payment(xxxxxxxxxxxx3313)	\$-600.00
	<b>Balance</b>	<b>\$0.00</b>

### **Terms and Conditions**

Click here to view the [Fulfillment Policy](#)

### **Cancellation Policy**

If you must cancel your registration for the meeting and/or any workshops or field trips, the following policies will apply.

**Registration fee cancellation:**

- Before June 1: Complete refund minus a \$50 processing fee.
- Between June 1 and July 1: 50% of registration fee will be refunded.
- After July 1: Registration fee is nonrefundable.

**Workshop cancellation:**

- Before June 1: Complete refund minus a \$50 processing fee (no refund if registration fee less than \$50).
- After June 1: No refunds.

**Pre/Post-meeting field trip cancellation:**

- Before June 1: 80% of field trip cost will be refunded.
- After June 1: No refunds unless your space is taken by someone on a waiting list, in which case 80% of field trip cost will be refunded.









# AOGS Annual Meeting 2017

Earth Observatory of Singapore & Asian School of the Environment  
Presenters' Schedule



7 August, Monday				
Oral	8:45 – 9:00am	<u>SE10-D1-AM1-327-002 (SE10-A024)</u> Necking and Fracking May Explain Stationary Seismicity and Full Degassing in Volcanic Silicic Spine Extrusion	Liqing JIAO	327
	9:00 – 9:15am	<u>SE05-D1-AM1-311-003 (SE05-A005)</u> Exploiting Sentinel-1 TOPS Data for Retrieving Large-Scale Surface Displacement	Teng WANG	311
	9:00 – 9:15am	<u>SE10-D1-AM1-327-003 (SE10-A022)</u> WOVOdat Online Tools: Improving and Promoting Their Use for Eruption Forecasts	Christina WIDIWIJAYANTI	327
	9:15 – 9:30am	<u>SE10-D1-AM1-327-004 (SE10-A026)</u> Eruption Forecasting When Migrating Seismicity: What Does the Material Failure Forecast Method Tell Us?	Lauriane CHARDOT	327
	10:15 – 10:30am	<u>SE10-D1-AM1-327-008 (SE10-A021)</u> Time Scales of the Processes Related to the 2007 Caldera-Forming Eruption of Piton De La Fournaise (La Réunion Island)	Helena ALBERT	327
	11:45am – 12:00pm	<u>SE06-D1-AM2-327-004 (SE06-A005)</u> Estimation of the Rheological Properties of the Indian Ocean Upper Mantle Using Geodetic Data	Sagar MASUTI	327
	12:15 – 12:30pm	<u>AS34-D1-AM2-330-013 (AS34-A031)</u> Light-Absorbing Brown Carbon Aerosol Constituents from Combustion of Indonesian Peat and Biomass	Sri Hapsari BUDISULISTIORINI	330
	2:15 – 2:30pm	<u>AS03-D1-PM1-331-016 (AS03-A034)</u> Evaluation of PM10 Emission Ratio of Tropical Peatland Burning by Continuous Air Quality Monitoring Data	Mikinori KUWATA	331
	2:30 – 2:45pm	<u>OS10-D1-PM1-328-003 (OS10-A003)</u> A Multi-Century Seasonal Sea Surface Salinity Reconstruction from the Lombok Strait	Sujata MURTY	328
Axford Lectures	2:45 – 3:00pm	<u>AS03-D1-PM1-331-018 (AS03-A027)</u> Source Characterization of Ambient Fine Aerosol in Singapore During a Haze Episode in 2015	Sri Hapsari BUDISULISTIORINI	331
	5:00 – 5:45pm	<u>Axford Lecture 2</u> Long-term Drivers of Aboveground-Belowground Linkages and Ecosystem Functioning	David A. WARDLE	L3 – Nicoll Room

**8 August, Tuesday**

<b>Oral</b>	8:30 – 8:45am	<u>SE21-D2-AM1-327-001 (SE21-A043)</u> A Report of the December 6, 2016 MW 6.5 Pidie Jaya, Aceh Earthquake	MUZLI	327
	8:30 – 8:45am	<u>SE12-D2-AM1-311-001 (SE12-A001)</u> A Mechanism for Slow Slip Prior to Devastating Earthquakes	Deepa Mele VEEDU	311
	11:00 – 11:15am	<u>SE21-D2-AM2-327-008 (SE21-A014)</u> The Role of Social Media in Macroseismic Mapping of the MW 6.9 Kani and MW 6.8 Chauk Earthquakes of 2016 in Myanmar	Lin Thu AUNG	327
	11:00 – 11:15am	<u>SE04-D2-AM2-311-001 (SE04-A018)</u> Variable Coupling and Moderate Ruptures at the Boundary Between the 2004 and 2005 Great Ruptures of the Sunda Megathrust Off Sumatra	Aron MELTZNER	311
	11:30 – 11:45am	<u>SE04-D2-AM2-311-003 (SE04-A023)</u> Are Sediment Loads of Insular South East Asia Overestimated? - Clues from Borneo	Edgardo LATRUBESSE	311
	11:45am – 12:00pm	<u>SE21-D2-AM2-327-011 (SE21-A020)</u> Seismic Hazard Assessment Over Time: Modelling Earthquakes in Taiwan	Chung-Han CHAN	327
	2:00 – 2:15pm	<u>SE04-D2-PM1-311-007 (SE04-A020)</u> Multiple Seismic Terrace Uplifts Along the MFT, in Eastern Nepal, Imaged by a 100km-Long Lidar Survey	Cagil KARAKAS	311
	2:30 – 2:45pm	<u>SE04-D2-PM1-311-009 (SE04-A011)</u> Pleistocene Rapid Exhumation of the Diancang Shan, Southeast of the Eastern Himalayan Syntaxis: Implications for the Episodic Acceleration of the Red River Fault	Xuhua SHI	311
	5:30 – 5:45pm	<u>OS19-D2-PM2-328-013 (OS19-A029)</u> Spatio-Temporal Characterization of Dissolved Organic Carbon for Coastal Waters Off Sarawak, Borneo from Space	Nivedita SANWLANI	328
<b>Poster</b>	2:00 – 3:30pm	<u>HS01-D2-PM1-P-026 (HS01-A032)</u> Irrawaddy River: An Initial Assessment on Suspended Sediment Transport and Spatiotemporal Suspended Sediment Distribution Patterns	Edward PARK	Summit Room Lvl 3



# 9 August, Wednesday

Oral	8:30 – 8:45am	BG03-D3-AM1-335-001 (BG03-A007) Fluxes and Processing of Dissolved Organic Carbon from Tropical Peatlands in Coastal Waters of Borneo as Diagnosed from Absorption and Fluorescence Spectra, and Activity of Hydrolytic Enzymes	Patrick MARTIN	335
	11:15 – 11:30am	OS22-D3-AM2-329-002 (OS22-A005) Relative Sea Level Proxy Records from Fossil Coral Microatolls in Western Borneo, South China Sea: Sea-Level Stability by 7 Ka and Possible Holocene Faulting	Jedrzej MAJEWSKI	329
	11:30 – 11:45am	OS22-D3-AM2-329-003 (OS22-A015) Periodic Relative Sea-Level Changes During The Last 4000 Years	Timothy SHAW	329
	11:30 – 11:45am	SE21-D3-AM2-311-016 (SE21-A041) Unraveling the Source and Mechanism of the Great (M8.7) Surface-Rupturing Assam Earthquake (15/08/1950), Eastern Himalayas	Aurelie COUDURIER-CURVEUR	311
	11:45 – 12:00pm	OS22-D3-AM2-329-004 (OS22-A019) Inception of A Global Atlas of Holocene Sea Levels	Nicole KHAN / Benjamin HORTON	329
	11:45am – 12:00pm	SE21-D3-AM2-311-017 (SE21-A037) Preliminary Crustal Thickness in Myanmar from the National Seismic Monitoring Network	Phyo Maung MAUNG	311
	2:00 – 2:15pm	IG11-D3-PM1-332-006 (IG11-A011) Indian Monsoon Variability Dominated by Glacial Boundary Conditions: Evidenced by Speleothem Records from Southern Myanmar and Western Thailand	Guangxin LIU	332
	2:15 – 2:30pm	OS22-D3-PM1-329-007 (OS22-A009) Sedimentological Records of the 2013 Typhoon Haiyan Storm Surge from Contrasting Philippine Coastal Landscapes	Jannell Lea SORIA	329
	2:15 – 2:30pm	IG11-D3-PM1-332-007 (IG11-A005) The Hydroclimate Change Over the Indo-Pacific Warm Pool During the Last 30,000 Years	Shufang YUAN	332
	3:15 – 3:30pm	IG11-D3-PM1-332-010 (IG11-A017) PMIP3 Simulation of ENSO Impact on Tropical Precipitation During the Mid-Holocene	Yudha DJAMIL	332
Poster	2:00 – 3:30pm	AS03-D3-PM1-P-025 (AS03-A026) Haze Transport by Tropical Intra-Seasonal Variability During the 2015 Haze Event in South East Asia	Ritvik DOBRIYAL	Summit Room Lvl 3
	2:00 – 3:30pm	AS14-D3-PM1-P-014 (AS14-A011) Simultaneous Measurements of Stable Isotope Composition in Precipitation and Vapour During NE Monsoon in Singapore	Dominik JACKISCH	Summit Room Lvl 3
	2:00 – 3:30pm	AS27-D3-PM1-P-009 (AS27-A001) 1-Octanol-Water Partitioning as a Classifier of Water Soluble Organic Matters: Implication for Solubility Distribution	Wen-Chien LEE	Summit Room Lvl 3
Innovation Theatre	12:45 – 1:15pm	Using Animation to Communicate Earth Science and Sustainability	Isaac KERLOW	Exhibition Area
Workshop	4:00 – 6:00pm	Physical Modeling of Gps and Insar Data with Unicycle	Sylvain BARBOT / James D P MOORE	MR335

# 10 August, Thursday

Oral	8:45 – 9:00am	<u>IG01-D4-AM1-332-002 (IG01-A002)</u> Earth Girl Volcano: An Interactive Tablet Game to Mitigate Volcanic Disaster Risk	Isaac KERLOW	332
	11:30 – 11:45am	<u>IG01-D4-AM2-332-012 (IG01-A023)</u> Using a Geomicrobial Approach to Investigate the Geological Records of Coastal Hazards	Wenshu YAP	332
	11:45am – 12:00pm	<u>IG01-D4-AM2-332-013 (IG01-A019)</u> Post-Tsunami Beach Recovery in Thailand: A Case for Punctuated Equilibrium in Coastal Dynamics	Adam SWITZER	332
	4:00 – 4:15pm	<u>IG04-D4-PM2-332-001 (IG04-A002)</u> Using Animation to Communicate Earth Science and Natural Hazards	Isaac KERLOW	332
	4:15 – 4:30pm	<u>AS27-D4-PM2-309-002 (AS27-A011)</u> Predicting Occurrence of Liquid-Liquid Phase Separation in Mixed Organic/Inorganic Particles Using 1-Octanol Water Partition Coefficient	Liudongqing YANG	309
Poster	2:00 – 3:30pm	<u>OS10-D4-PM1-P-008 (OS10-A006)</u> Luzon Strait Corals Provide Record of the Pacific Decadal Oscillation and Possible Influence to Monsoon Variability	Riovie RAMOS	Summit Room Lvl 3
	2:00 – 3:30pm	<u>OS22-D4-PM1-P-013 (OS22-A004)</u> Testing Microatoll Sea-Level Record Reliability Against Instrumental Records	Jedrzej MAJEWSKI	Summit Room Lvl 3
	2:00 – 3:30pm	<u>OS22-D4-PM1-P-014 (OS22-A008)</u> Geophysical Insights into Recent Storm Histories Using Ground Penetrating Radar at Bay-Bay Spit, Bicol, Central Philippines	Adam SWITZER	Summit Room Lvl 3
	2:00 – 3:30pm	<u>OS22-D4-PM1-P-016 (OS22-A012)</u> High-Precision Sea-Level History at Natuna Island, Indonesia, Over the Past 7000 Years	Xiu Wen, Jeannette WAN	Summit Room Lvl 3
	2:00 – 3:30pm	<u>OS22-D4-PM1-P-018 (OS22-A014)</u> Quaternary Stratigraphy of the Kallang River Basin, Singapore	Stephen CHUA	Summit Room Lvl 3
	2:00 – 3:30pm	<u>OS22-D4-PM1-P-019 (OS22-A016)</u> Common Era Sea Level Response to Climate Fluctuations	Ane Garcia-Artola	Summit Room Lvl 3
	2:00 – 3:30pm	<u>SE02-D4-PM1-P-009 (SE02-A007)</u> Tectonic and Geomorphic Setting of the Pamir Plateau: Insights from the Multi-Segment Rupture of the 2015 Mw 7.2 Darwas-Karakoram Earthquake	Priyamvada NANJUNDIAH	Summit Room Lvl 3
	2:00 – 3:30pm	<u>SE04-D4-PM1-P-016 (SE04-A019)</u> Refraction Velocities Reveal the Geometry of the Main Frontal Thrust in Central Nepal	Yixiang LIU	Summit Room Lvl 3
	2:00 – 3:30pm	<u>SE05-D4-PM1-P-007 (SE05-A006)</u> Postseismic Deformation Following the 2009 Mw 7.8 Dusky Sound Earthquake from Geodetic Observations and Forward Modelling	Dongju PENG	Summit Room Lvl 3



	2:00 – 3:30pm	<u>SE06-D4-PM1-P-005 (SE06-A003)</u> Imaging the Distribution of Transient Viscosity Following the 2016 Mw 7.1 Kumamoto Earthquake	James Daniel Paul MOORE	Summit Room Lvl 3
	2:00 – 3:30pm	<u>SE10-D4-PM1-P-010 (SE10-A003)</u> The Magmatic Plumbing System and Pre-Eruptive Conditions for the 1990 Kelud Eruption and its Relation to Seismic and Lake Chemistry Data	Sri Budhi UTAMI	Summit Room Lvl 3
	2:00 – 3:30pm	<u>SE10-D4-PM1-P-011 (SE10-A004)</u> Understanding the Monotonous Life of Open Vent Mafic Volcanoes	Dawn SWEENEY RUTH / Fidel COSTA	Summit Room Lvl 3
	2:00 – 3:30pm	<u>SE10-D4-PM1-P-012 (SE10-A005)</u> Fractal Analysis of Mineral and Melt Inclusion Textures Unravels the Presence of Multiple Crystal Populations in Igneous Rocks	Lilu CHENG	Summit Room Lvl 3
	2:00 – 3:30pm	<u>SE10-D4-PM1-P-013 (SE10-A008)</u> From Analogue Modelling to Volcanic Monitoring Network Design	Cheryl TAY	Summit Room Lvl 3
	2:00 – 3:30pm	<u>SE10-D4-PM1-P-015 (SE10-A010)</u> Mining Social Media Feeds for Natural Hazard Early Warning and Mapping	Tracy KOH	Summit Room Lvl 3
	2:00 – 3:30pm	<u>SE10-D4-PM1-P-016 (SE10-A011)</u> Using Microlites to Investigate Magma Degassing and Controls on Eruption Styles at Rabaul (Papua New Guinea)	Olivier BERNARD	Summit Room Lvl 3
	2:00 – 3:30pm	<u>SE10-D4-PM1-P-017 (SE10-A012)</u> Combining Petrologic and Seismic Studies to Constrain Magma Storage Conditions Beneath Marapi Volcano, West Sumatra, Indonesia	Dini NURFIANI	Summit Room Lvl 3
	2:00 – 3:30pm	<u>SE10-D4-PM1-P-018 (SE10-A013)</u> Apatite as a Potential Indicator of Magmatic Carbon Dioxide and Water Concentrations	Weiran LI	Summit Room Lvl 3
	2:00 – 3:30pm	<u>SE10-D4-PM1-P-019 (SE10-A014)</u> Differing Magmatic Process Before Caldera-Forming and Small Eruptions at Rabaul, Papua New Guinea	Gareth FABBRO	Summit Room Lvl 3
	2:00 – 3:30pm	<u>SE10-D4-PM1-P-020 (SE10-A016)</u> When Uncertainties Leads to Certainties: Benchmarking Geodetic Inversion Using Analogue Models	Stephen PANSINO	Summit Room Lvl 3
	2:00 – 3:30pm	<u>SE10-D4-PM1-P-021 (SE10-A017)</u> Magma on the Move! Monitoring Magma Migration Using Synthetic Seismic Amplitude Ratio Analysis	Chiou Ting TAN	Summit Room Lvl 3
	2:00 – 3:30pm	<u>SE10-D4-PM1-P-022 (SE10-A018)</u> Developing Plume Early Warning for Southeast Asia with Infrasonic	Anna PERTTU	Summit Room Lvl 3
	2:00 – 3:30pm	<u>SE10-D4-PM1-P-023 (SE10-A019)</u> Assessing the Detection Capabilities of Singapore's Infrasonic System	Pei Shan ANG	Summit Room Lvl 3



	2:00 – 3:30pm	<u>SE10-D4-PM1-P-024 (SE10-A020)</u> From Qualitative to Quantitative Stress Field Characterisation in Analogue Modelling	Shu Hui YEO	Summit Room Lvl 3
	2:00 – 3:30pm	<u>SE10-D4-PM1-P-025 (SE10-A023)</u> WOVOdat-Learn: Online Machine Learning Plugin for WOVOdat	Erickson FAJICULAY	Summit Room Lvl 3
	2:00 – 3:30pm	<u>SE10-D4-PM1-P-026 (SE10-A027)</u> Linking Surface Deformation and Degassing Activity: Constraints from Analogue Experiments	Fabio MANTA	Summit Room Lvl 3
	2:00 – 3:30pm	<u>SE20-D4-PM1-P-007 (SE20-A003)</u> Understanding the Eruptive History of Sumatran Volcanoes Through Tephrostratigraphy	Marcus PHUA	Summit Room Lvl 3
	2:00 – 3:30pm	<u>SE20-D4-PM1-P-009 (SE20-A008)</u> Lake and Peatland Palaeoclimate Reconstruction of Sumatra	Sean PYNE-O'DONNELL	Summit Room Lvl 3
	2:00 – 3:30pm	<u>SE21-D4-PM1-P-029 (SE21-A027)</u> Structural Observation of the Input Materials at the Sumatra Seismogenic Zone: Preliminary Results from International Ocean Discovery Program Expedition 362	Mari HAMAHASHI	Summit Room Lvl 3
	2:00 – 3:30pm	<u>SE21-D4-PM1-P-034 (SE21-A039)</u> 3D Fault Geometries in the Nankai Trough, Japan	Shiyuan FANG	Summit Room Lvl 3
	2:00 – 3:30pm	<u>SE21-D4-PM1-P-037 (SE21-A045)</u> Analysis of the 2016 Aceh MW 6.5 Strike-Slip Earthquake Using Joint Inversion of Insar and Teleseismic Data	Rino SALMAN	Summit Room Lvl 3
<b>Special Lectures</b>	11:45am – 12:30pm	<u>SE Section – Early Career Researcher Distinguished Lecture</u> The Impact of Fault Geometry on Megathrust Ruptures	Judith HUBBARD	MR331
<b>Special Sessions</b>	4:00 – 4:20pm	<u>SS02 – Interdisciplinary Geosciences in Natural Hazards</u> The Importance of Sea-level Research	Benjamin HORTON	MR331

11 August, Friday				
Oral	8:45 – 9:00am	SE02-D5-AM1-311-002 (SE02-A010) 3D Discrete Element Simulation of Faulting and Crustal Thickening During the India-Asia Collision	Liqing JIAO	311
	9:45 – 10:00am	SE02-D5-AM1-311-006 (SE02-A005) Postseismic Deformation Following the 2015 Mw 7.8 Gorkha Earthquake and the Distribution of Brittle and Ductile Crustal Processes Beneath Nepal	James Daniel Paul MOORE	311
Poster	2:00 – 3:30pm	IG01-D5-PM1-P-021 (IG01-A021) Tsunami Damage Estimation for Coastal Infrastructure in Macau Based on Damage Fragility Curves Derived from the 2011 Japan Tsunami	Constance Ting CHUA	Summit Room Lvl 3
	2:00 – 3:30pm	IG01-D5-PM1-P-025 (IG01-A032) Probability of Volcanic Ash Falls in Singapore Based on the Analysis of a Database of Volcanic Activities in South East Asia and Reviews of Literature Records	Olga BERGAL-KUVIKAS	Summit Room Lvl 3
	2:00 – 3:30pm	IG11-D5-PM1-P-013 (IG11-A016) What Drives Tropical Long-Term Hydroclimate Change?	Xianfeng WANG	Summit Room Lvl 3

*Session: S01.01 - Analogous studies of volcanoes, their eruptive activity and their preceding unrest*

# Anticipating Volcanic Eruptions using DNA-like Precursors through machine learning

*Corresponding Author: Erickson Fajiculay | email: efajiculay@yahoo.com*

*Author: Erickson Fajiculay (1) | Agus Budi-Santoso (2) | Sulistiyani (2, 3) | Nang Thin Zar Win (1) | Christina Widiwijayanti (1) | Fidel Costa (1, 4)*

*Affiliation: (1) Earth Observatory of Singapore - NTU, Singapore | (2) CVGHM, Geological Agency, Indonesia | (3) Gadjah Mada University, Indonesia | (4) Asian school of Environment - NTU, Singapore*

The anticipation of eruptions remains one of the most challenging problems in volcanology. Here we take a new look at the problem using machine learning with a representation of the time series data into symbols similar to a DNA sequence derived from Symbolic Aggregate Approximation and position penalized Sørensen-Dice similarity coefficient. We focus our analysis on the seismicity patterns of Merapi Volcano hybrid earthquake counts from 1983 to 2017, which includes 28 unrest episodes and 21 eruptions, ranging from phreatic to VEI4. The seismic data are transformed to  $\log(y+1)$ , normalized to a range of 0 to 1, and smoothed using Piecewise Aggregate Approximation with a bin of 6 days. The transformed y-axis is then divided into bins and integrated into 7 equiprobable regions which are given symbols from A to G. The approach was also tested on synthetic data with the same distribution as the Merapi hybrid earthquake counts generated using Markov Chain Monte Carlo (MCMC). Different levels of noise were introduced to the synthetic data to investigate the extent DNA-like precursor can match regions before eruptions. Initial results show that the pattern "ACGFGGGGGG", the precursory sequence 60 days before the 1996 VEI3 eruption, matches 7 eruptions with sequence match  $> 40\%$ . There are two false positives with sequence match  $> 40\%$ , and 13 unmatched eruptions with sequence match  $< 40\%$ , but 10 of which are phreatic eruptions. These are encouraging results that able to identify characteristic unrest patterns before eruption and distinguish between different eruptive styles. Automation of pattern extraction, threshold detection, optimization of sequence length, and number of symbols to use are currently under development. The potential of the used of DNA-like eruption precursor to other data type will be further investigated. This machine learning algorithm is available as part of WOVodat' analytics tools ([www.wovodat.org](http://www.wovodat.org)).





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艾瑞瓦 先生

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艾瑞瓦 先生，您好：

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From: ACC 2019 Registration Office (acc2019.reg@elitepc.com.tw)

To: efajiculay@yahoo.com

Date: Thursday, 5 December 2019, 5:41 am GMT+8

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DS-943

Dear Mr. Erickson Fajiculay,

It is our great pleasure to have your participation at the 18th Asian Chemical Congress held in Taipei.

To facilitate the check-in process, **PLEASE PRESENT THIS LETTER** at the designated registration counter on the 1F, TK during the registration service hours.

### Pre-registered Information

Registration No. :	DS-943	Check-in Counter:	Registration
Title:	Mr.	Full Name	Erickson Fajiculay
Affiliation:	Academia Sinica	Country	TAIWAN
Gala Dinner:	No	Culture Tour:	No
Payment Status:	Paid	Balance Due (NTD):	0

### Notes

If the above information is incorrect, please inform us by Dec. 5.

Onsite registration ONLY accepts cash in New Taiwan Dollars (NTD) or credit card (VISA, Master and JCB)

## General Information

**Congress Date:** December 8 (Sunday) - December 12 (Thursday), 2019

**Venue:** Taipei International Convention Center, TICC

**Address:** No. 1, Sec. 5, Xinyi Rd., Xinyi Dist., Taipei City

### Registration Service Hours

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Location: Lobby

Dec. 8	10:00-19:30
Dec. 9	08:00-17:00
Dec. 10	08:00-17:00
Dec. 11	08:30-13:00
Dec. 12	08:30-15:00

## Social Events



[https://web.phys.ntu.edu.tw/cqse/2019workshop/cp\\_n\\_22049.html](https://web.phys.ntu.edu.tw/cqse/2019workshop/cp_n_22049.html)

## IWQCIPML 2019 Registration Sheet

From: ntucqse@ntu.edu.tw

To: efajiculay@yahoo.com

Date: Friday, 15 November 2019, 9:50 am GMT+8

## IWQCIPML 2019 Registration Sheet



Registration ID: 1116

Fri Nov 15 09:49:39 CST 2019

## Personal Information

Category:	Students / Postdoctoral Fellow
Student ID:	id_acc.pdf
Name:	Mr. Fajiculay, Erickson Erigio
Chinese Name:	艾瑞克
Job Title:	
Affiliation:	Academia Sinica / Institute of Information Science
City:	
State/Province:	
Country:	Taiwan
Email:	<a href="mailto:efajiculay@yahoo.com">efajiculay@yahoo.com</a>
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- Please kindly print your Registration sheet and remember the registration ID.
- Please sign-up each day during the event and get your same day lunch ticket when you sign-up.
- You need to reserve accommodation by yourself if necessary.

## Program of IWQCIPML2019

---

From: 廖允執 (r05222001@g.ntu.edu.tw)

Bcc: efajiculay@yahoo.com

Date: Wednesday, 27 November 2019, 5:26 pm GMT+8

---

Dear IWQCIPML participants,

The IWQCIPML workshop will be held on Dec. 2 ~ Dec. 4. A complete program has now been uploaded to the IWQCIPML 2019 website: <https://web.phys.ntu.edu.tw/cqse/2019workshop/Default.html>

Poster presenters ONLY:

The poster session is scheduled on Dec. 3 17:00~18:00. Please check the information including poster number and presentation title at: [https://web.phys.ntu.edu.tw/cqse/2019workshop/cp\\_n\\_42844.html](https://web.phys.ntu.edu.tw/cqse/2019workshop/cp_n_42844.html)

The poster size should be A0 in portrait format.

We are looking forward to seeing you next week.

Sincerely yours,

Yun-Chih Liao

Assistant of IWQCIPML2019

success rates would go on escalating.

**Keywords:** Tuberculosis, Directly Observed Treatment Short Course, Treatment Success

### HS-3

#### COMPARATIVE ANTIDIABETIC ACTIVITY DETERMINATION AND CHARACTERIZATION OF POTENTIALLY ACTIVE METABOLITES FROM THE LEAVES OF *Syzygium malacunse* (MAKOPA) AND *Momordica charantia* (AMPALAYA)

Lorna T. Enerva<sup>\*1</sup>, Christine P. Abila<sup>2</sup>, Erickson E. Fajiculay<sup>1</sup>,  
Ericson S. Lavilla<sup>3</sup> and Gilbert C. Panganiban<sup>3</sup>

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Diabetes is a disease characterized by persistent hyperglycemia due to a disorder of carbohydrate metabolism. This study was undertaken to compare the hypoglycemic activity of the bioactive components extracted from the leaves of *Syzygium malacunse* (makopa) and *Momordica charantia* (ampalaya).

The dried leaves of makopa and ampalaya were soaked in ethanol for 5 days, filtered and concentrated. These extracts were subjected to polarity based partitioning and yielded: hexane extract as makopa hexane and ampalaya hexane, dichloroethane extract as makopa DCM and ampalaya DCM and water extract as makopa aqueous and ampalaya aqueous.

Ascentia Entrust Glucometer results of the hexane extract (makopa, ampalaya, dichloromethane extract (makopa, ampalaya), aqueous extract (makopa, ampalaya) yielded 50% and 66%, 64% and 45%, 51% and 22% decrease in blood glucose level respectively collected from the serum of Swiss Webster Albino mice. The extract showed significant decrease in glucose level compared to the control. The ethanol extract of each plant was subjected to chromatographic separation.

Chromatographic separation of the extract of makopa yielded five fractions as M<sub>1</sub>, M<sub>2</sub>, M<sub>3</sub>, M<sub>4</sub> and M<sub>5</sub>. The ampalaya extract gave five fractions as A<sub>1</sub>, A<sub>2</sub>, A<sub>3</sub>, A<sub>4</sub> and A<sub>5</sub>. Ascentia Entrust Glucometer reading revealed that M<sub>1</sub>, M<sub>2</sub>, M<sub>3</sub>, M<sub>4</sub> and M<sub>5</sub> gave 39.3%, 22.5%, 78.8%, 24.7% and 2.7% decrease



in blood glucose level respectively. While the ampalaya fractions A<sub>1</sub>, A<sub>2</sub>, A<sub>3</sub>, A<sub>4</sub> and A<sub>5</sub> gave 27%, 42%, 2.3%, 61.6%, and 42% decrease in blood glucose, respectively. The results suggested that M<sub>3</sub> contained the most active metabolite.

Instrumental analysis by IR, UV-VIS and gc-mass spectra was made on M<sub>3</sub>. Structural analysis and comparison with existing drugs showed that phosphorothioic acid, 0,0 diethyl -(3,5,6-trichloro-2-pyridine) ester was the possible structure that accounted for the large decrease in blood glucose level of fraction M<sub>3</sub>. The results of the study showed that makopa is more hypoglycemic than ampalaya leaves.

**Keywords:** Hypoglycemia, Polar based Partitioning, Chromatography, Diabetes

#### HS-4

### HYPOGLYCEMIC ACTIVITY DETERMINATION AND CHARACTERIZATION OF POTENTIALLY ACTIVE METABOLITE(S) FROM THE ROOT CROP *Smallantus sonchifolius* (YACON)

Lorna T. Enerva<sup>\*1</sup>, Pastor B. Malaborbor<sup>2</sup>, Melissa O. Alegria<sup>3</sup>,  
Christofer R. Reniva<sup>3</sup>, Aldwin Seboline<sup>3</sup>, and Cheriss Tan<sup>3</sup>

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*Smallantus Sonchifolius* (yacon) is a perennial herb, classified under the *Asteraceae* family. Each plant forms underground clump of 4 to 20 fleshy large tuberous roots. This study was undertaken to determine the hypoglycemic property of yacon tubers.

One thousand five hundred grams of yacon tubers were air-dried, homogenized, and percolated with 1.5 liters of methanol for one week and rota-evaporated. Forty ml of the extract was dissolved in 20ml distilled water and subjected to polarity-based partitioning with hexane and ethyl acetate. The extracts were concentrated and subjected to bioassay to test for their hypoglycemic activity. The semi-crude ethyl acetate extract was

In general, treatment with the scaffold and OS resulted to higher values of enzyme activity and calcium deposition in all passages tested. Even without OS, significant differentiation was still observed when the scaffold was present. On the other hand, only basal levels of osteocalcin were detected. As passage number increased from P2 to P6, a decrease in enzyme activity and increase in calcium deposits were observed. Even in unstimulated cultures, mineralization also increased which suggests preference of the cells to the osteoblast lineage.

#### **GROUP BOND CONTRIBUTION AND NEURAL NETWORK BASE QSPR MODELLING OF ORGANIC COMPOUNDS**

Erickson Fajiculay and Dr. Len Herald Lim\*  
*Institute of Chemistry University of the Philippines  
Diliman Quezon City*

A software for Quantitative structure property relationship using Group Bond Contribution in tandem with an Artificial Neural Network (ANN) was developed and used to model physico chemical properties and activities of selected organic compounds. The software includes algorithm for Multi Linear Regression (MLR) and Back-Propagation Neural Network (BP-ANN) with support to different types of transfer function and learning variation. Neural Network Architecture optimization was done by minimizing the Average Absolute Deviation (AAD) from the training, testing and validation set. The choice of an applicable transfer function that gives the minimum AAD for a given problem was done by shifting from Sigmoid-Sigmoid, Sigmoid-Linear and Sigmoid-Hyperbolic transfer function. Previous QSPR model by different researchers were remodeled and comparisons of the previous models and the new model are presented. The applicability of using group bond contribution in modeling properties of a wide variety of compounds was explored by extending the modeling to include six classes of compounds such as alkanes, alkenes, alkynes, alcohol aldehyde, and ketone in one QSPR model. The use of early termination to avoid over-fitting with the help of a validation and testing set was employed. The models developed show superiority over the existing QSPR model and found to be potentially useful for more advanced applications such as structure elucidation, organic synthesis, and structure generation.

#### **HEADSPACE DISCRIMINATION OF THE PHILIPPINE PANDANUS SPECIES USING CONDUCTING POLYMER-BASED CONDUCTOMETRIC ELECTRONICS NOSE**

Rosemarie Ann I. Cuevas, Maribel G. Nonato, Fortunato B. Sevilla III, and Karen S. Santiago  
*The Graduate School, University of Santo Tomas  
Thomas Aquinas Research Complex, España, Manila 1015 Philippines*

Up to now, medicinal plants, like Pandanus species, remain significant as natural alternatives for synthetic drugs. Some Pandanus species are considered folkloric and scientifically known to have medicinal values. Prior to traditional and scientific uses, plant authentication is necessary in order to confirm its identity. Conventional (e.g., plant systematics) and advanced (e.g., chemical- and DNA-finger printing) methods are commonly being employed in distinguishing medicinal plants. However, due to the wide and diverse distribution of medicinal plants, aforementioned methods are considered time consuming and complex. This study therefore may offer an effective alternative means to resolve the above-mentioned issues.

A chemoresistive electronic nose (e-nose) based on electropolymerized conducting polymers (CP) was developed to discriminate the headspace aroma from the leaves of selected Pandanus species. The sensors employed include: polyaniline (PAni), polypyrrole (PPy), and poly-3-methylthiophene (P-3MTp) doped with perchlorate anion. These CPs were synthesized through potentiostatic electrodeposition onto the gold electrode surfaces. Each conditioned sensor was exposed to different headspace generated from each Pandanus species.

Results showed that the chemoresistive e-nose gave distinct fingerprint for each Pandanus species. All sensors exhibited good reversibility ( $n=6$ , 1.83-7.84% *rsd*). Clustering of Pandanus species was obvious in principal component analysis having a confidence interval of 95%. It can therefore be stated that the developed e-nose offers a promising approach in discriminating selected Pandanus species because of its fast response and ease of use.

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## V53B-2832: Measuring volcanic gases at Taal Volcano Main Crater for monitoring volcanic activity and possible gas hazard

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### Authors:

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### General Information

### Discussion

Taal is an active volcano located in southwest Luzon, Philippines. It consists of mainly tuff cones which have formed an island at the center of a 30 km wide Taal Caldera. Most historical eruptions, since 1572 on Taal Volcano Island, have been characterized as hydromagmatic eruptions. Taal Main Crater, produced during the 1911 eruption, is the largest crater in the island currently filled by a 1.2 km wide, 85 m deep acidic lake. The latest historical eruption occurred in 1965-1977. Monitoring of CO<sub>2</sub> emissions from the Main Crater Lake (MCL) and fumarolic areas within the Main Crater started in 2006 with a collaborative project between ITER and PHIVOLCS. Measurements were done by accumulation chamber method using a Westsystem portable diffuse fluxmeter. Baseline total diffuse CO<sub>2</sub> emissions of less than 1000 t/d were established for the MCL from 3 campaign-type surveys between April, 2006 to March, 2010 when seismicity was within background levels. In May, 2010, anomalous seismic activity from the volcano started and the total CO<sub>2</sub> emission from the MCL increased to 2718 ±54 t/d as measured in August, 2010. The CO<sub>2</sub> emission from the lake was highest last March, 2011 at 4670 ±159 t/d when the volcano was still showing signs of unrest. Because CO<sub>2</sub> emissions increased significantly (more than 3 times the baseline value) at this time, this activity may be interpreted as magmatic and not purely hydrothermal. Most likely deep magma intrusions occurred but did not progress further to shallower depths and no eruption occurred. No



large increase in lake water temperature near the surface (average for the whole lake area) during the period when CO<sub>2</sub> was above background, it remained at 30-34 °C and a few degrees lower than average ambient temperature. Total CO<sub>2</sub> emissions from the MCL have decreased to within baseline values since October, 2011. Concentrations of CO<sub>2</sub>, SO<sub>2</sub> and H<sub>2</sub>S in air in the fumarolic area within the Main Crater also increased in March, 2011. The measurements were made using a multigas sensor. In terms of volcanic gas hazard, CO<sub>2</sub> in air near a fumarole vent can be as high as 25,000 ppm, while the highest H<sub>2</sub>S recorded was at 14 ppm (March, 2011). Without a multigas sensor, we measured the concentrations of only CO<sub>2</sub> and H<sub>2</sub>S in air near the fumaroles using the Westsystem fluxmeter. During the latest survey last July 2012, the highest measured CO<sub>2</sub> in air was 13,000 ppm and for H<sub>2</sub>S it was 28 ppm to above detection limit. The campaign-type CO<sub>2</sub> efflux surveys in the MCL and measurements of the fumaroles are done at least once or twice a year with increased frequency of surveys when signs of unrest are detected. These measurements are important because Taal Volcano Island, although designated as a permanent danger zone, is permanently inhabited.

- **Session:** [V53B: Linking Diverse Constraints on Volcanic Unrest: Petrology, Geophysics, Geochemistry, and CO<sub>2</sub> Emissions IV Posters](#)
- **Cosponsors:** [Atmospheric Sciences \(A\)](#), [Seismology \(S\)](#)

MARCH Short Course on Second Order Optimization in Large-scale Deep Learning, Professor Rio Yokota, July 1-4, 2019

From: Google Forms (forms-receipts-noreply@google.com)

To: efajiculay@yahoo.com

Date: Thursday, 13 June 2019, 7:24 pm GMT+8

## Google Forms

Thanks for filling out [MARCH Short Course on Second Order Optimization in Large-scale Deep Learning, Professor Rio Yokota, July 1-4, 2019](#)

Here's what we got from you:

# MARCH Short Course on Second Order Optimization in Large-scale Deep Learning, Professor Rio Yokota, July 1-4, 2019

Course Website: <https://sites.google.com/site/school4scicomp/2019-b-yokota>

Email address \*

efajiculay@yahoo.com

## Personal Information

Chinese Name (中文姓名) \*

艾瑞克

Last Name (in English) \*

Fajiculay

First Name (in English) \*

Erickson



Polytechnic University of the Philippines



College of Science

Sta. Mesa, Manila

presents this

# CERTIFICATE OF APPRECIATION

to

*Erickson E. Fajiculay*

for his paper entitled

COMPARATIVE HYPOGLYCEMIC ACTIVITY DETERMINATION AND  
CHARACTERIZATION OF POTENTIALLY ACTIVE METABOLITES  
FROM THE LEAVES OF SYZYGIUM MALACCENSE (MAKOPA)  
AND MOMORDICA CHARANTIA (AMPALAYA)

*delivered during the Third Students' Research Colloquium*

*held on July 23, 2008 at the CS Audio-Visual Room*

*Given this 23<sup>rd</sup> day of July 2008 at the Polytechnic University of the Philippines  
Sta. Mesa, Manila*

*Nobles*

*Prof. Bernadeth G. Nobles*

Chief, CS Research and Extension Services Office  
CS Accreditation Coordinator

*Inglum*

*Prof. Myrna G. Cruz*

Chairperson, Department of Mathematics & Statistics

*Lunagway*

*Prof. Lunagway M. Cruz*

Chairperson, Department of Natural Science

*Mercado*

*Dr. Joseph Mercado*

Dean, College of Science





Republic of the Philippines  
Department of Health  
**BUREAU OF FOOD AND DRUGS**  
Civic Drive, Filinvest Corporate City,  
Alabang, Muntinlupa City  
Website: [www.bfad.gov.ph](http://www.bfad.gov.ph)



## LABORATORY SERVICES DIVISION

Awards this

### CERTIFICATE OF ATTENDANCE

to

**Erickson E. Fajiculay**

*for participating in the seminar entitled*

### ORIENTATION SEMINAR FOR ALL ON-THE-JOB TRAINEES

*held on 26 April 2007 at the QMS Room, Room 227, 2<sup>nd</sup> Floor, BFAD Main Building.*

*huach*

**OFELIA M. ALBA, M.M.**

Chief, Laboratory Services Division

*Leticia B. Gutierrez*

**PROF. LETICIA-BARBARA B. GUTIERREZ, M.S.**

Director



REPUBLIC OF THE PHILIPPINES  
**DEPARTMENT OF HEALTH**  
**BUREAU OF FOOD AND DRUGS**  
Civic Drive, Filinvest Corporate City  
Alabang, Muntinlupa City



MALAYAL MALUSOG  
MA-SAMAYANAN

## CERTIFICATION

### TO WHOM THIS MAY CONCERN:

This is to certify that Mr. **ERICKSON E. FAJICULAY**, a BS Chemistry student of Polytechnic University of the Philippines, has satisfactorily completed his on-the-job training in this Bureau from 02 April 2007 to 24 May 2007 with a total of 240 hours of training.

This certification is being issued for whatever legal purpose this may serve.

Issued this 29<sup>th</sup> day of May 2007 Alabang, City of Muntinlupa.

**OFELIA M. ALBA**  
Chief, Laboratory Services Division

Noted by:

**MA. VICTORIA F. CALZADO**  
Officer-In-Charge  
Administrative Division





**Appointment Letter**

3 September 2013

**Erickson Erigio Fajiculay**  
55 col. Bravo St. Signal Village,  
Taguig City

Dear Mr. Fajiculay:

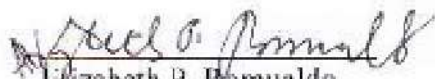
CRI. Environmental Corporation hereby offers employment to you as *Chemist II* in CRI's Philippines Operations. This position is classified as *Non-Exempt Employee* and your salary rate shall be *Pesos Twenty One Thousand and 00/100 (P21,000.00)* per month.


This offer is subject to the terms and conditions written in the Job Description and Employee Handbook.

Starting date shall be 3 September 2013.

Authorized Signature

Accepted:

  
Elizabeth P. Romualdo  
President & CEO

  
Erickson E. Fajiculay

09/03/13  
Date



## Notice of Personnel Action

## 1. Name

<b>Last</b>	<b>First</b>	<b>Middle</b>
FAJICULAY	ERICKSON	ERIGIO

## 2. Home Address

55 col. Bravo St. Signal Village, Taguig City

## 3. Date of Birth

Dec 15, 1987

## 4. Sex

Male

## 5. Civil Status

Single

## 6. Tax Account No.

305-883-674

## 6a. Tax Status

S

## 6b. No. of Dependents

0

## 7. SSS No.

34-0598551-0

## 8. Pag-ibig No.

1210-1992-7258

9. This is an official notice of the personnel action described herein which affects your employment and is subject to your acceptance.

## 10. Employment Status

Probationary

## 11. Nature of Personnel Action

For Hiring

## 12. Duration

6 months

## 13. Effectivity

September 3, 2013

## 14. Position

From

-

To

Chemist II

## 15. Salary

-

Php 21,000/month

## 16. Department/Group

-

Remote

## 17. Duty/Station

-

Clark

## 18. Recommended:

ATG

Date: 3 Sept 2013

## 19. Approved:

[Signature]

Date: 9/11/13

## 20. I ACCEPT:

Signature of Employee

ID No.

2013-0903-00

Date

npa.eef.001



**CRL Environmental  
Corporation**

■ Sales Office: Unit 609 Cityland 10 Tower 1 \* 6815 ELN de la Costa, Ayala Ave., North \* Makati City, Philippines 1226  
Tel: (632) 840-4071 \* (632) 817-5387 \* Fax: (632) 816-8329 \* E-mail: crl@perlabs.com \* <http://www.crlabs.com>  
■ Laboratory: Bldg. 2, Benlaphil Compound 1, Benlaphil Inc. Industrial Park  
Jose Abad Santos Ave., CFZ Clarkfield Pampanga, Philippines  
Tel: (6345) 599-3943 \* (6345) 599-6529 \* (632) 299-3326 \* Fax: (6345) 599-3963



**CERTIFICATE OF EMPLOYMENT AND COMPENSATION**

14-Aug-13

This is to certify that Mr. **ERICKSON E. FAJICULAY**, Science Research Specialist I, is a regular employee of this Institute since 01 September 2011 up to the present.

His present monthly compensations are as follows:

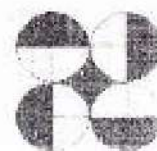
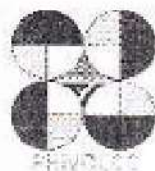
Basic Salary	=P=	21,436.00
Other Monthly Allowances		
Received:		
PERA		500.00
ADCOM		1,500.00
Subsistence and Laundry Allow		3,800.00
<b>TOTAL</b>	<b>=P=</b>	<b>27,236.00</b>

Further he received the following additional remunerations other than the above during the twelve-month period ended December 31, 2012 (present cut-off date, as above): viz

Bonus		21,436.00
Cash Gift		5,000.00
Others:		
Productivity Incentive Benefit (PIB)		2,000.00
Clothing Allowance		5,000.00
Productivity Enhancement Incentive (PEI)		5,000.00
<b>Total Other Income</b>	<b>=P=</b>	<b>38,436.00</b>

This certification is being issued upon request of the above-mentioned for whatever legal purpose it may serve.

  
**RICHEL B. DE MESA**  
Administrative Officer V



October 9, 2013


**CERTIFICATION OF ACCUMULATED LEAVE CREDITS**

To Whom It May Concern:

This is to certify that as per record of this Office, Mr. **ERICKSON E. FAJICULAY**, Science Research Specialist I has the following total accumulated Leave Credits as of August 31, 2013.

Vacation Leave	16.528
Sick Leave	3.000
<hr/>	
Total	19.528

This certification is being issued for whatever legal purpose it may serve.

  
**RACHEL B. DE MESA**  
Administrative Officer V




REPUBLIC OF THE PHILIPPINES  
Department of Science and Technology  
PHILIPPINE INSTITUTE OF VOLCANOLOGY AND SEISMOLOGY

July 2013  
Date

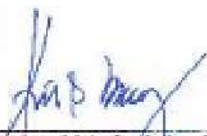
Sir:

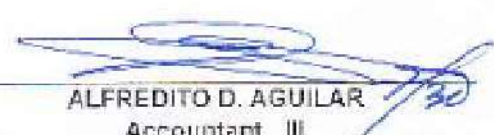
In connection with my application for : (transfer, resignation, retirement, study leave)

Resignation  
to take effect on August 30, 2013 I have the honor to apply for clearance  
pursuant to existing laws, rules and regulations, from accountability for public funds and  
property and other accountability with the Philippine Institute of Volcanology and Seismology.

  
ERICKSON F. PAJICULA  
Signature Over Printed Name  
Science Research Specialist I, GCRPD  
Position/Designation & Division

CLEARED BY THE FOLLOWING:

  
Division Chief of the Personnel  
Seeking Clearance


  
ALFREDDITO D. AGUILAR  
Accountant III

Cleared of office properties and other accountabilities:

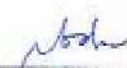
TOTAL LEAVE CREDITS

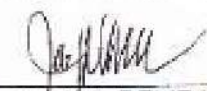
As of 30 August 2013


Vacation leave	<u>16.528</u>	wkg. days
Sick leave	<u>3.000</u>	wkg. days
Total	<u>19.528</u>	wkg. days


  
CHARLITA L. MARIANO  
Administrative Officer V

Cleared of books, reports and other library materials:


  
RICHEL B. DE MESA  
Administrative Officer V

  
JOAN M. BELIRAN  
Science Research Specialist I

  
ROSALIA U. SANTOS  
Administrative Officer V

  
DELFIN C. GARCIA  
OIC-FAD

APPROVED:

  
RENATO U. SOLIDUM JR.  
Director

Date of Approval

Note:

"If later on the above-mentioned employee has been learned/discovered that he/she is still  
accountable for cash or property, this clearance will not relieve him/her of said accountability.  
Ref. GAO Gen. Circular No. 52 dated 23 Dec. 1957."



Republic of the Philippines  
**POLYTECHNIC UNIVERSITY OF THE PHILIPPINES**  
Sta. Mesa, Manila

July 17, 2008

**MR. ERICKSON E. FAJICULAY**

College of Science  
This University

Dear Sir:

Pursuant to the provisions of Section 18(g) of CHED Memorandum Order No. 03, series of 2001 and by virtue of Board Resolution No. 539, s. 2007, you are hereby appointed/contracted as **Part-time Instructor I** in the *College of Science* effective **July 7, 2008** with compensation at the rate of **P126.65** per hour. This appointment will expire at the end of First Semester of School Year 2008-2009. (Original Appointment)

Very truly yours,

By Authority of the Board of Regents:

**DANTE G. GUEVARRA**  
President

Copy furnished:

Chief, Records Office  
COA Auditor  
Director, Human Resource  
Management Department  
Dean, College of Science  
University/Board Secretary  
201 files



Republic of the Philippines  
**POLYTECHNIC UNIVERSITY OF THE PHILIPPINES**  
Sta. Mesa, Manila



July 17, 2008

## **CERTIFICATION**

### **TO WHOM IT MAY CONCERN:**

This is to certify that, on the basis of the records on file in this University, **MR. ERICKSON E. FAJICULAY** is presently employed as Part time instructor I (SG-12) in the College of Science with the compensation at the rate of *Php126.65* per hour of actual services rendered.

Issued upon the request of *Mr. Fajiculay* for whatever legal purpose(s) it may serve.

**AUGUSTUS F. CEZAR**  
Vice-President for Administration





*New Era University*  
**SUMMER KINDERGARTEN PROGRAM**  
New Era, Quezon City

**CERTIFICATE OF APPRECIATION**

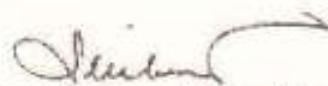
to

*Erickson Fajiculay*

for having rendered invaluable services as a  
**Volunteer Teacher / Para-Teacher**  
in the Summer Kindergarten Program  
of the Iglesia ni Cristo for six (6) weeks.

Given this 30th day of May, 2008

  
District Project Coordinator

  
Dean, College of Education

  
President



Republic of the Philippines  
Department of Science and Technology

**PHILIPPINE SCIENCE HIGH SCHOOL SYSTEM**  
Philippine Science High School-Bicol Region Campus

Goa, Camarines Sur

*Presents this*

# **CERTIFICATE OF RECOGNITION**

*to*

**ERICKSON ERIGIO FAJICULAY**

Science Research Specialist 1, PHIVOLCS - Main Office

*in grateful appreciation and heartfelt gratitude for his invaluable time, support, and contribution to the development of scientific knowledge and skills of our interns during their Summer Science Internship Program 2012 held last April 10– May 9, 2012.*

*Given this 23<sup>rd</sup> day of May 2012 in Legazpi City.*

*Elsie G. Ferrer*  
**ELSIE G. FERRER**  
Campus Director



30574

## CONTRACT OF SERVICES



MAR 11 2014

This contract made and entered by and between:

**UNIVERSITY OF THE PHILIPPINES**, the National University established, a public secular institution of higher learning created by virtue of Act No. 1870, as amended and reorganized and operating by virtue of Republic Act No. 9500 through its constituent university, University of the Philippines in Diliman, with official address at College of Science, UP Diliman, Quezon City represented herein by its Dean, **DR. JOSE MARIA P. BALMACEDA**, hereinafter referred to as the "UNIVERSITY";

- and -

**ERICKSON ERIGIO FAJICULAY**, of legal age, Filipino and with residence address at 55 COL. BRAVO ST. SIGNAL VILLAGE TAGUIG CITY, hereinafter referred to as "SECOND PARTY";

- witnesseth -

1. That the University is in need of the services of the Second Party who shall perform work not performed by the regular personnel of the University for DOST-PCHRD research Project entitled "Design, Fabrication, and Evaluation of Monitoring and Sampling Devices for Particulate Matter";
2. That the Second Party has signified his/her intention, to which the University has accepted, to provide the service needed by the latter;
3. That the Second Party hereby possesses the education, experience and skills required to perform the job as described herein;
4. That the Second Party hereby attest that he/she is not related within the third degree of consanguinity or affinity to the: 1) hiring authority and/or 2) representative of the University; that he/she has not been previously dismissed from government service by reason of an administrative offense; that he/she has not already reached the compulsory retirement age of sixty-five (65);
5. That in view hereof, the Second Party is hereby contracted as a **SCIENCE RESEARCH SPECIALIST I** from 01 March 2014 to ~~December 31, 2014~~ *In* consideration of the monthly rate of ~~PHP 25,723.00~~ to be paid in monthly basis. *Trust Account No. 9644900 - 499 - 416*
6. That as **SCIENCE RESEARCH SPECIALIST I**, the Second Party is expected to perform the following functions: RESEARCH AND DEVELOPMENT FOR THE ABOVE MENTIONED PROJECT.



7. That the Second Party shall perform work at a time and schedule to be agreed upon by both parties;
8. That it is understood that this contract does not create an employer- employee relationship between the University and the Second Party, that the services rendered hereunder are not considered and will not be accredited as government service; and that the latter is not entitled to leave privileges and other benefits enjoyed by the regular personnel of the University, such as but not limited to PERA, ACA and RATA;
9. Notwithstanding the fixed duration of this contract, the services of the Second Party may be terminated earlier than the expiration date due to unsatisfactory service, unavailability of funds, early completion or discontinuance of the project, or other reasons within the control of the Second Party.

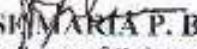
IN WITNESS WHEREOF, both parties have hereunto set their hands this    day of MAR 05 2014 2014 at Quezon City, Philippines.

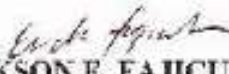
UNIVERSITY OF THE PHILIPPINES

SECOND PARTY

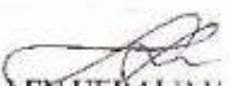
BY:

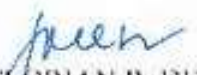
BY:

  
Dr. JOSE MARIA P. BALMACEDA, PhD.  
Dean, College of Science  
University of the Philippines  
Diliman, Quezon City

  
ERICKSON E. FAJICULAY  
TIN: 305-883-674-000


SIGNED IN THE PRESENCE OF:

  
DR. LEN HERALD V. LIM  
Project Leader  
Institute of Chemistry  
College of Science, UP Diliman  
Quezon City, Philippines

  
DR. FLORIAN R. DEL MUNDO  
Director  
Institute of Chemistry  
College of Science, UP Diliman  
Quezon City, Philippines

Funds available/Consistent with the purpose of the Trust Account

  
JOSEPHINE G. BATISTANG  
Accountant IV

  
EUFANIO SARRA CORNIEL  
Assistant to the Director

BEFORE ME, a Notary Public for and in the above jurisdiction, personally appeared the following:


Name	ID No.	Date/Place Issued
ERICKSON E. FAJICULAY	TIN NO. 305-883-674-000	08-28-2013 / TAGUIG CITY
DR. JOSE MARIA P. BALMACEDA	UP ID NO. 023212751	UP Diliman, QC

known to me to be the same persons who executed the foregoing instrument and acknowledged to me that the same is their own free will and voluntary act and deed.

This instrument consists of three (3) pages including this page wherein this Acknowledgement is written, and is signed by the parties and their instrument witnesses on each and every page hereof.

WITNESS MY HAND AND SEAL, this \_\_\_\_\_ day of MAR 05 2014 at Quezon City, Philippines.

Notary Public  
Doc. No.: 140;  
Page No.: 31;  
Book No.: 0111;  
Series of 2014

  
ATTY. ROMEO C. CRUZ  
Notary Public for Quezon City, until Dec. 31, 2015  
Adm. Matter NP-024 (2014-2015) / Roll No. 31559  
PTR O.R. No. 9015717, 01-02-2014, Q.C.  
IBP O.R. No. 915043, 11-05-13, Q.C.  
122 Alameda, Ctr. UP Dil., Tel. No. 3523587  
MCLE Nos. I, II, III, IV & V Completed



# Polytechnic University of the Philippines College of Science

Sta. Mesa, Manila



## This Certificate of Appreciation

is given to

*Erickson E. Fajiculay*

in grateful recognition of his / her expertise and invaluable services rendered as **TUTOR** in the Science Tutorial Program conducted by the College of Science Research & Extension Services Office to the College's adopted School, Antonio Maceda Integrated School during the 1<sup>st</sup> semester of School Year 2006-2007

Given this 30<sup>th</sup> day of March, 2007 at Claro M. Recto Hall, 6<sup>th</sup> floor South Wing  
Main Campus, Sta. Mesa, Manila.

*Zenaída R. Sarmiento*  
Dr. Zenaída R. Sarmiento  
Chairperson, Department of Natural Sciences

*Bernadeth G. Nobles*  
Prof. Bernadeth G. Nobles  
Chief, CS Research & Extension Services office

*Dr. Joseph Mercado*  
Dr. Joseph Mercado  
Dean, College of Science

