

Philippines

Name :

Ms. Donna Dane G. Aldana

Date of birth: N.A.

Category :

WIPO Sibol Award

Title of award :

WIPO Gold Medal

Occasion of award:

2008 National Inventors Week

Place: Metro Manila, Philippines

Date: November 17 to 21, 2008

Invention :

**The potential of potato starch extract as an
alternative serum separator gel and its Effects in
glucose testing**

Organizer :

The Technology Application and Promotion
Institute (TAPI), Department of Science and
Technology

Other information :

Philippines

Name :

Mr. Rolando C. dela Cruz

Date of birth: N.A.

Ms. Lydia B. dela Cruz

Date of birth: N.A.

Mr. Richard B. dela Cruz

Date of birth: N.A.

Ms. Leonor B dela Cruz

Date of birth: N.A.

Mr. Rommel B. dela Cruz

Date of birth: N.A.

Ms. Lorena B. dela Cruz

Date of birth: N.A.

Ms. Lelalee B. dela Cruz

Date of birth: N.A.

Category :

WIPO-Tuklas Award for Best Invention

Title of award :

WIPO Gold Medal

Occasion of award:

2008 National Inventors Week

Place: Metro Manila, Philippines

Date: November 17 to 21, 2008

Invention :

Anacardium offidentale Linn. (Cahsew Nut Extract) and Gliciridia sepium (Kakauati) for the Treatment of Basal Cell Carcinoma (BCC) or Skin Cancer

Organizer :

The Technology Application and Promotion Institute (TAPI), Department of Science and Technology

Other information :

Philippines

Name :

Ms. Mariecar L. Romero

Date of birth: N.A.

Ms. Chen V. Ramos

Date of birth: N.A.

Mr. Joemar G. Salmorin

Date of birth: N.A.

Category :

WIPO SIBOL Award

Title of award :

WIPO Gold Medal

Occasion of award:

2008 National Inventors Week

Place: Metro Manila, Philippines

Date: November 17 to 21, 2008

Invention :

**Novelty Items (Leather Products) from the Skin of
“Abalistes stellairs and Pinjalo lewis”**

Organizer :

The Technology Application and Promotion
Institute (TAPI), Department of Science and
Technology

Other information :

PHILIPPINES

Name: **Violeta P. Arida**
Date of birth: 1930

Category: TUKLAS Award
(most promising invention)

Title of award: WIPO Gold Medal

Occasion of award: 1994 National Invention Contest,
5th DOST Annual Technology Fair
Place: Metro Manila, Philippines
Date: July 11 to 16, 1994

Invention: **Process for the production of slow -release type
Potassium Silicate Fertilizer from rice husk and
dolomitic limestone and the product thereof**

Organizer: Technology Application and Promotion Institute,
Department of Science and Technology (TAPI/DOST),
Manila, Philippines

Other information: The invention relates to a process for the production of a
slow-release type fertilizer which utilizes rice husk or its
ash, dolomitic limestone and potassium salts as raw
materials and the product thereof. The fertilizer product is
in granular form. Its unique characteristic enables single
fertilizer application without fertilizer burns. The
controlled nutrient release rate corresponds to the needs of
the plant. Actual field application tests are in progress.

PHILIPPINES

Name: **Beverly Elizabeth B. Bautista**
Date of birth: N.A
Mary Ann L. Liberato
Date of birth: N.A
Glenda P. Oabel
Date of birth: N.A

Category: Best Outstanding Invention

Title of Award: WIPO Sibol Award (College Level)

Occasion of award: National Invention Contest 2005
Place: Metro Manila, Philippines
Date: November 17-21, 2005

Invention: **The Potential of Tiger Grass (*Thysanolaena maxima*) stem extract on the production of biofuel through fermentation and distillation**

Organizer: Department of Science and Technology
Technology Application and Promotion Institute
(TAPI)

Other information: Under the theme “Inventor-Technopreneurs:
Source of Export/Competitive Products”.

Rhyan B. Tremor and Faize I. Bulaugan shared this prize.

PHILIPPINES

Name: **Anna Cabatuando**
Date of birth: 1989
Clara Obmerga
Date of birth: 1990

Category: Outstanding Invention

Title of Award: WIPO Sibol Award (High School Level)

Occasion of award: National Invention Contest 2005
Place: Metro Manila, Philippines
Date: November 17-21, 2005

Invention: **Isolation of the Leukemic Lymphocytotoxic
Compound on Yellow-Lipped Sea Krait Venom**

Organizer: Department of Science and Technology
Technology Application and Promotion Institute
(TAPI)

Other information: Under the theme “Inventor-Technopreneurs:
Source of Export/Competitive Products”.

Kevin Ceña shared this prize.

PHILIPPINES

Name: **Erlinda Castro -Sanqui**
Date of birth: 1927

Category: Outstanding Woman Inventor

Title of award: WIPO Gold Medal

Occasion of award: First DOST Annual Technology Fair and National Inventors Week 1
Place: Metro Manila, Philippines
Date: July 8 to 13, 1989

Invention:

- (1) **Fruitcake Filipina**
- (2) **Pito-Pito Herbal tea (no caffeine, no preservatives, all natural)**

Organizer: Technology Application and Promotion Institute,
Department of Science and Technology (TAPI/DOST),
Manila, Philippines

Other information:

PHILIPPINES

Name: **Jaymi Therese E. Cheng**
Date of birth: 1980
Penelope L. Martin
Date of birth: 1980
Mildred T. Recongco
Date of birth: 1979

Category: SIBOLA Award (High School Level)
(most promising student creative research)

Title of award : WIPO Gold Medal

Occasion of award : 1996 National Invention Contest
7th DOST Annual Science and Technology Fair
Place: Manila, Philippines
Date: July 8 to 13, 1996

Invention: **Biosorption of lead ions from aqueous solutions by immobilized rhizobium BJVR -12 cells**

Organizer: Technology Application and Promotion Institute,
Department of Science and Technology (TAPI/DOST),
Manila, Philippines

Other information: The isolate from root modules was immobilized in 10% agar and packed in between scouring pads placed in a plastic column to prepare an effective but inexpensive biotrap for lead ions.

PHILIPPINES

Name:

Charlene T. Dalmacio

Date of birth : (information not available)

Karen V. Evangelista

Date of birth: (information not available)

Category:

SIBOLA Award

(most promising student creative research)

Title of award:

WIPO Gold Medal

Occasion of award :

1993 National Invention Contest

4th DO ST Annual Technology Fair

Place: Metro Manila, Philippines

Date: July 19 to 23, 1993

Invention:

Use of pseudomonas as degrader of xylene

Organizer:

Technology Application and Promotion Institute,
Department of Science and Technology (TAPI/DOST),
Manila, Philippines

Other information:

The creative research involved the isolation of a microorganism, specifically pseudomonas. The isolate is then used to degrade pollutants, particularly xylene. The research results may find useful application in pollution management of a body of water such as a lake. The third inventor of this invention is **Jaymee Romero**.

PHILIPPINES

Name: **BarbaraAnneG.Estrella**
Dateofbirth: (informationnotavailable)
LeahC.Mesina
Dateofbirth: (informationno tavailable)

Category: SIBOLAward
(mostpromisingstudentcreativeresearch)

Titleofaward: WIPOGoldMedal

Occasionofaward : 1995NationalInventionContest
6thDOSTAnnualScienceandTechnologyFair
Place: CebuCity,Philippines
Date: July22,1995

Invention: **Afeasibilitystudyonstarchfromsweetpotatoasfiller
fortheproductionofbiodegradableplastic**

Organizer: TechnologyApplicationandPromotionInstitute,
DepartmentofScienceandTechnology(TAPI/DOST),
Manila,Philip pines

Otherinformation: Thecreativeresearchinvolvedtheuseofstarchfromthe
widelyavailablelocalrootcropasfillerforbiodegradable
plastics.Differentproportionsofstarchtopolyethylene
resinswereusedinformingplasticsheets.Testin gfor
biodegradabilitywasdonebyasoilburialtest.Samples
beforeandafterthistestweresubjectedtoscanning
electronmicroscopy.

PHILIPPINES

Name: **Katherine Fe E. Flores**
Date of birth: 1980

Category: SIBOLA Award (High School Level)

Title of award: WIPO Gold Medal

Occasion of award : National Inventors Week '96
Place: Quezon City Hall, Manila,
Philippines
Date: 25 -30 November 1996

Invention: **Evaluation of *Derris philippinensis*, *Manihot esculenta*,
Dieffenbachia amoena, *Chrysanthemum morifolium*
and *capsicum frutescens* extract and powder as
molluscicide for *Oncomelania quadrasi***

Organizer: Technology Application and Promotion
Institute/Department of Science and Technology
(TAPI/DOST), in collaboration with the Filipino
Inventors' Association (FIS),
Metro Manila, Philippines

Other information: Pesticide decoctions from above plants are effective
against snails.
Robert Mark O. Lauzon and **Janelle M. Lim** were also
part of the team that made the invention mentioned above.

PHILIPPINES

Name: **Olympia N. Gonzales**
Date of birth: December 16, 1926

Category: Outstanding Woman Inventor

Title of award: WIPO Gold Medal

Occasion of award : Special WIPO award on the occasion of the conclusion of the United Nations Decade for Women (1976 -1985) 19th Philippine Annual Inventors' Week
Place: Metro Manila, Philippines
Date: February 1985

Inventions: (1) **Baby foods from local fruit**
(2) **Process for preparing coconut milk and product thereof**

Organizer: Philippine Invention Development Institute (PIDI),
Metro Manila, Philippines

Other information: (1) Foods for babies and for weaning infants are prepared from local fruit and fortified with vitamins. These prepared baby foods, available in ready -to-use forms, can be used as supplements for breast -fed and artificially -fed babies.
(2) This is a process for making coconut milk extracted from the white flesh of ripe coconuts into a stabilized diluted coconut cream in a ready -to-use form suitable for culinary purpose and for use in food preparation and processed food products that are made more acceptable with the coconut flavor.

PHILIPPINES

Name: **JanelleM.Lim**
Dateofbirth: 1980

Category: SIBOLAward(HighSchoolLevel)

Titleofaward: WIPOGoldMedal

Occasionofaward : NationalInventorsWeek'96
Place: QuezonCityHall,Manila,
Philippines
Date: 25 -30November1996

Invention: **Evaluationof *Derrisphilippinensis* ,*Manihotesculenta* ,
Dieffenbachiaamoena & *Chrysanthemummorifolium*
and *capsicumfrutescens* extractandpowderas
molluscicidefor *Oncomelaniaquadrasi***

Organizer: TechnologyApplicationandPromotion
Institute/DepartmentofScienceandTechnology
(TAPI/DOST),incollaborationwiththeFilipino
Inventors' Association(FIS),MetroManila,Philippines

Otherinformation: Pesticidedecoctionsfromaboveplantsareeffective
againstsnails.
KatherineE.Flores and **RobertMarkO.Lauzon** were
alsopartoftheteamthatmadetheinventionmentioned
above.

PHILIPPINES

Name: **Yasmin E. Malang**
Date of birth: 1952

Category: Outstanding Invention

Title of Award: WIPO Tuklas Award

Occasion of award: National Invention Contest 2005
Place: Metro Manila, Philippines
Date: November 17-21, 2005

Invention: **Patient Side-Turning Hospital Bed**

Organizer: Department of Science and Technology
Technology Application and Promotion Institute
(TAPI)

Other information: Under the theme “Inventor-Technopreneurs:
Source of Export/Competitive Products”.

Virgilio L. Malang shared this prize.

PHILIPPINES

Name: **Juanita C. Mamaril**
Date of birth: 1932

Category: TUKLAS Award
(most promising invention)

Title of award: WIPO Gold Medal

Occasion of award : 1996 National Invention Contest
7th DOST Annual Science and Technology Fair
Place: Manila, Philippines
Date: July 8 to 13, 1996

Invention: **Process for producing concentrated plant growth hormones and regulators from coconut water**

Organizer: Technology Application and Promotion Institute,
Department of Science and Technology (TAPI/DOST),
Manila, Philippines

Other information: This process involves adsorption on an anion-ionic polymeric resin and then the extraction of the adsorbed hormones/regulators by alcohol followed by water. Resulting solutions contain 250- 300 mg of plant growth hormones/regulator per liter of the solution. The concentrated plant growth hormones/regulators are being sold under the brand name "Cocogroe."

PHILIPPINES

Name: **AliaPura**
Dateofbirth: (informationnotavailable)
Ma.KristinaRamos
Dateofbirth: (informationnotavailable)

Category: SIBOLAward(CollegeLevel)
(mostpromisingstudentcreativeresearch)

Titleofaward: WIPOGoldMedal

Occasionofaward : 1996NationalInventionContest
7thDOSTAnnualScienceandTechnologyFair
Place: Manila,Philippines
Date: July8to13,1996

Invention: **Mini-ASRS(AutomatedStorageandRetrievalSystem)**

Organizer: TechnologyApplicationandPromotionInstitute,
DepartmentofScienceandTechnology(TAPI/DOST),
Manila,Philippines

Otherinformation: Thisisaroboticsystemdesignedtodemonstratestorage,
retrievalandinventoryfunctions.Itcomprisesthreeparts:
shelves,transporterandarailmechanism.

Thisinventionwasmadebyateamoffiveinventors:
**G. Ancheta,AliaPura ,Ma.KristinaRamos ,Vincent
Liwanagand RobertOng .**

PHILIPPINES

Name:

CarlitaRexDoran

Dateofbirth: 1942

Category:

OutstandingWomanInventor

Titleofaward:

WIPOGoldMedal

Occasionofaward:

FilipinoWomanInventorfor1989

Place: MetroManila,Philippines

Date: February1989

Invention:

Alternativefuelforcooking

Organizer:

FilipinoInventorsSociety,Manila,Philippines

Otherinformation:

PHILIPPINES

Name: **Magdalena Villaruz**
Date of birth: 1934

Category: Best Inventor

Title of award: WIPO Gold Medal

Occasion of award : 20th Philippine Annual Inventors' Week
Place: Metro Manila, Philippines
Date: February 1986

Inventions:

- (1) **Turtle hand tractor (Power cultivator)**
- (2) **Leveler device**
- (3) **Floating operator's seat**
- (4) **Two-speed transmission assembly for power cultivator**
- (5) **Improved windmill**
- (6) **Diaphragm pump**
- (7) **Dual diaphragm pump**
- (8) **Improved power cultivator**
- (9) **Rotavator wheel**
- (10) **Adjustable engine mount**
- (11) **Improved power cultivator assembly**
- (12) **Blower for threshing drum discharge ejector**
- (13) **Multi-purpose household rice huller**
- (14) **Three wheeled passenger vehicle**
- (15) **Combination harrow -leveler**

Organizer: Philippine Invention Development Institute (PIDI),
Metro Manila, Philippines

Other information: Ms. Villaruz was awarded a second WIPO Gold Medal, in 1995, for five other new inventions (see next page).

PHILIPPINES

Name: **Magdalena Villaruz**
Date of birth: 1934

Category: Best Woman Inventor

Title of award: WIPO Gold Medal

Occasion of award: 1995 National Invention Contest
6th DOST Annual Science and Technology Fair
Place: Cebu City, Philippines
Date: July 22, 1995

Inventions:

- (1) **Turtle hand tractor**
- (2) **Screen-type palay thresher**
- (3) **Blower for threshing drum discharge thrower**
- (4) **Improved corn sheller**
- (5) **Simplified hand tractor**

Organizer: Technology Application and Promotion Institute,
Department of Science and Technology (TAPI/DOST),
Manila, Philippines

Other information: All the above five inventions are being commercialized.
Magdalena is a business entrepreneur/inventor. She was awarded a first WIPO Gold Medal in 1986
(see preceding page).

PHILIPPINES

Name: **Carolyn Yu**
Date of birth: 1962

Category: SIBOLAward(CollegeLevel)

Title of award: WIPOG oldMedal

Occasion of award : NationalInventorsWeek'96
Place: QuezonCityHall,Manila,
Philippines
Date: November25to30,1996

Invention: **Productresearchdesignofcollapsiblestairsandhand trucklift**

Organizer: TechnologyApplication andPromotion
Institute/DepartmentofScienceandTechnology
(TAPI/DOST),incollaborationwiththeFilipino
Inventors' Association(FIS),
MetroManila,Philippines

Other information: Thisinventionconsistsofanewdesignofahandtruck
providedwithcollapsiblestairsandliftwhichmaybeused
forhandlingmaterial.

AlvinJonathanAbella and **KennethNg** werealsopartof
theteamthatmadetheinventionmentionedabove.