

**SOARING  
UPWARDS**  
MALAYSIA HIGHER EDUCATION



**UPM**  
UNIVERSITI PUTRA MALAYSIA  
BERSAMA SAMA MELAKSANAKAN TRANSFORMASI



# EXCELLENCE IN AGRICULTURE TOWARDS INTERNATIONAL RECOGNITION

AGRICULTURE • INNOVATION • LIFE



1st Edition: June 2016



## AGRICULTURE | INNOVATION | LIFE

UPM as an knowledge institution carries an illustrious legacy of the history of agricultural education in Malaysia. This is the birthplace of agriculture intellectuals who has shape the country's agricultural development and has indirectly produce human capital in ensuring the continuity of economic development, especially in the agricultural sector.

The “Leading Agricultural Reaching International Reputation” booklet is a channel for sharing UPM's development, initiatives and successes in education and agricultural research. This publication will widen UPM's reputation as a legacy science and higher education leaders who contributed to the improving life, enriching knowledge and generating innovation in agriculture, in line with the tagline “Agriculture. Innovation. Life “.

UPM is now reaching 85 years of age since the establishment of the School of Agriculture on May 21, 1931. Since then, UPM has managed to produce human capitals who are trained in agriculture and agro-based industry, and they in turn have provided a significant impact on the development of agriculture in the country.

UPM now continues to contribute to elevate the status of agriculture to greater heights through its aspirations.

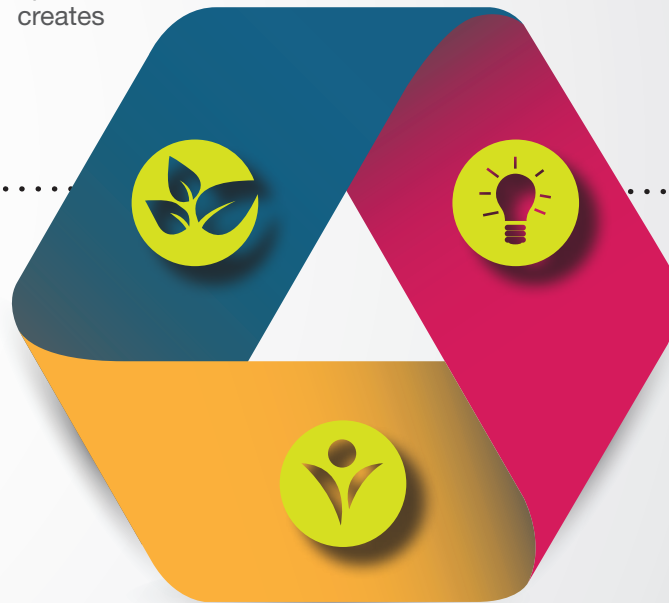
“Empowering UPM as a Centre of  
Excellence in Agriculture”

## AGRICULTURE

Agriculture which is upheld by UPM goes beyond education and research as it produces quality agriculture based human capital, enriches knowledge, explores various innovations and creates excellent life.

## INNOVATION

Innovation in the context of agriculture is to generate innovation and find new discoveries for the sustainability of agriculture. The activities of teaching, research, development, commercialization and development carried out by UPM are in line with the essence of agriculture. In other words, innovation and agriculture will ensure the sustainability of life.



## LIFE

Life is impacted by the success of education, research, knowledge discoveries and innovations that complement the capabilities of UPM in interpreting the role of agriculture.





## Agriculture . Innovation . Life

Agriculture, Innovation and Life is a symbol of UPM as a legacy of knowledge and a leader in agriculture has contributed to the improvement in life, enrichment of knowledge and innovation. It is also a value shared with the community, government, institutional partners, industries and stakeholders in supporting excellence in agriculture for the society well-being. UPM will continue to uphold agriculture as an important niche in the ecosystem of higher education to support the advancement of the country's agricultural sector and food sovereignty.

**PROF. DATIN PADUKA DR. AINI IDERIS**  
Vice-Chancellor





CROP



LIFESTOCK



FISHERY

# INNOVATION<sup>AND</sup> TECHNOLOGY

## UNIVERSITI PUTRA MALAYSIA

Research development in UPM has produced a variety of agricultural technology and innovations which have been successfully commercialized, benefiting the community and agro-based industry

FARMING



HERBS



HEALTH &  
ENVIROMENT





**ZAPPA**  
(ZAP WIND PADDY)



**NEWCASTLE  
DISEASE  
VACCINE V4-UPM**

**VITA GROW**

**AYAM AKAR  
PUTRA™**



**PUTRA RED**  
UPM New Tilapia  
Breed



**RDCI**

Research, Development,  
Commercialization and  
Innovation for Agriculture  
Sustainability

FOWL POX  
VACCINE

MyVAC  
UPM93 IBD  
Vaccine

STVac7  
Intranasal  
spray  
vaccine

Bacto-10



GANOCARE™

In the agricultural field, UPM emphasises its focus on research development for the growth of the national agriculture sector. The research development in UPM has produced various agricultural innovations and technology which have been successfully commercialised, and this in turn has tremendously benefitted our community and the agro-based industries. The innovation and technology produced by UPM have significantly impacted crops, livestock, fishery, farming and other sectors related to agriculture.



PUTRA  
AROMATIC

Serdang  
BioMass  
Town

E-Cutter

ROBO-REST



# CROPS & PLANTATION



+



# ZAPPA

(Wind Paddy Zap)



# VITA GROW



ZAPPA is one of the R&D products of UPM that has high value impact on the paddy planting sector. It is a paddy seed treatment to enhance rapid seed germination for direct seeding plants. The impacts of ZAPPA are as follow:

- Enhances seed germination by 90%
- Enhances root and shoot growth by 120% and 90%, respectively, by the third day
- Reduces the growth of weeds that resemble paddy plants
- Helps in economising water use in paddy field areas
- Reduces labour costs and pesticide use which causes side effects to users
- Increases the productivity of national rice industry by 20%

UPM too has successfully produced Vita Grow, a foliar fertiliser which contains complete and balanced plant nutrients. The special features of Vita Grow are:

- Acts effectively in enhancing flower growth and reducing the risk of windfalls
- Expedites nutrient absorption in trees within a 2-hour period
- In 2002, the Malaysian Agriculture Research and Development Institute (MARDI) proposed the use of Vita Grow in paddy planting activities and recognised the quality of Vita Grow which exceeds the standard set by the 'Australian NST Standards'
- The effectiveness of Vita Grow has been recognised by BERNAS, FELCRA, the Department of Agriculture, MADA, FOA and farmers all over Malaysia.
- Gross sales of **RM16 million**



# ZAPPA & VITA GROW



To date, the gross sales of ZAPPA® and Vita-Grow® have reached RM26.3 million. Felcra Berhad has acquired 55% stake in Diversatech (a commercialisation company) worth

**RM35 million**

The achievements of ZAPPA & VITAGROW:

- Silver Medal at the Invention and Innovation Exhibition, Ministry of Science, Technology and Environment of Malaysia (2002)
- Silver Medal at the 32nd International Exhibition of Inventions, New Techniques and Products in Geneva (2004)



KEMENTERIAN PERTANIAN DAN  
INDUSTRI ASAS TANI MALAYSIA





## E-CUTTER



## Bacto-10



UPM too has produced the E-Cutter innovation which is a fruit harvesting and frond pruning machine for oil palm trees. The special features of E-Cutter are as follows:

- Employs electric generator which is light and user-friendly
- The length of the harvester is unlimited
- Increases the productivity of the oil palm industry
- Reduces the dependence on foreign labours in the oil palm industry
- Increases the income of the oil palm industry

Another fertiliser produced by UPM to enhance the plantation and farming sectors is Bacto-10. Bacto-10 is a liquid biofertiliser which contains non-pathogenic microorganisms isolated from oil palm and herbal roots.

- It can produce phytohormones which promote root growth and enhance water and nutrient absorption rate
- Increases yields by **30%**
- Reduces plant fertiliser costs up to **60%**

## ROBO-REST



## GANOCARE™



UPM Robo-Rest Technology is a sterilisation (detachment) technology which utilises high-pressure steam to reduce the loss of palm oil.

- Increases the productivity of palm oil production
- Reduces the use of labours due to automation of processes
- Increases the income of the oil palm industry

Ganocare™ is an organic fertiliser formulated by UPM to control the basal stem root (BSR) disease in oil palm trees at all life stages which is caused by the Ganoderma boninense fungus.

- Suitable for use in oil palm trees at various stages of life
- Increases the lifespan of oil palm trees
- Increases the income of the oil palm industry
- Sold and used by Felcra Plantation Services Sdn. Bhd.

# LIVESTOCK & FISHERY





# AYAM AKAR PUTRA™



UPM has made history in the animal breeding world through the production of the ayam kampung (indigenous chicken) breed known as Ayam Akar Putra (Putra Root Chicken). This breed of indigenous chicken was named Akar Putra, a symbolic representation of the jungle fowl breed which has "taken root" in the green campus of UPM.

- This chicken is a cross between jungle fowl and indigenous chicken which produces a new chicken breed that has higher quality meat
- Commercialised by UPM graduates under the Agriculture Youth Entrepreneurs Incubator (IUBT) programme which has received a grant worth RM 500,000.00 from TERAJU
- The chickens produced have high disease resistance force.
- The chicken meat is firmer and juicier
- The growth period of Akar Putra is shorter by one or two months compared to local indigenous chickens.

# PUTRA RED

## Baka Ikan Tilapia Baharu UPM



UPM has successfully produced a new breed of red Tilapia (hybrid) known as the Putra Red. The hybrid tilapia is a crossbreed of new tilapia (female GIFT Tilapia X male UPM Red Tilapia) which has the best genetic features of the GIFT Tilapia while still retaining the red colour of the UPM Red Tilapia.

The Putra Red has the features of a good breed, on par with other hybrid tilapia in the market such as:

- Rapid growth rate
- More meaty flesh
- Can be bred in high density
- The hybrid Putra Red has faster growth rate than the parents
- Continuous research is conducted to produce a generation of hybrid which has minimal blotching.

The new hybrid tilapia named Putra Red is expected to contribute to the aquaculture industry as well as the national food security sector.



## NEWCASTLE DISEASE VACCINE



## FOWL POX VACCINE



The Newcastle Disease (ND) vaccine is a vaccine produced by UPM to control and prevent the Newcastle disease which is heat resistant and can be stored at room temperature. The ND vaccine is developed from the cloning of the NDV4.

The vaccine is mixed into chicken feed allowing large-scale vaccination to be carried out without the need to handle the chickens. Oral vaccination (via feed) has been made possible and affordable especially for impoverished and small-scale farmers.

Since the first five years, it has been widely distributed to developing countries which are in need of the vaccine. The vaccine strains reduce the need for revaccination. It has penetrated into 10 countries including Nigeria, Zambia and Singapore.

UPM has also succeeded in producing Fowl Pox Vaccine which is a vaccine to control and prevent the Fowl Pox disease which was developed by cloning of the fowl pox virus through embryonic fibroblast tissue culture.

- Grows well in tissue culture, giving high titres
- Produces homogenous and high-quality vaccines
- Can be prepared in freeze-dried form and is suitable for all types of chicken



## ND & FOWL POX VACCINE



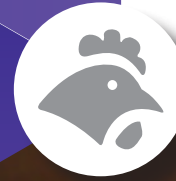
### The Impact of ND & FP vaccines

- The price is lower compared to imported vaccines
- Reduces the vaccination costs for the poultry industry in Malaysia
- Chicken production can be increased
- Large-scale vaccination method is time and cost effective

- Gross sales of over **RM 5 million**
- Among the earliest commercialised and marketed technology by higher-learning institution in Malaysia
- Paved the way for the formation of the first and only company that produces vaccines for animal health (MVP - Malaysian Vaccine and Pharmaceutical Sdn. Bhd.)
- MVP has now produced a few other vaccines and has a staff strength of 50 skilled workers



## MyVAC UPM93 IBD Vaccine



The MyVac UPM93 IBD Vaccine is a product produced by UPM to prevent the Gumboro disease. The Gumboro disease or IBD is one of the the most serious viruses which is posing a threat to the chicken industry worldwide.

- MyVac UPM93 IBD is a vaccine that is safe and effective in controlling and preventing the infectious bursal disease (IBD) in chickens on farms. It produces high antibody level.
- Protects the chicken broods with different level of parent antibody and does not interfere in the weight gain and performance of the chickens. It is the first local IBDV which is used as vaccine in the South East Asia.
- This vaccine can prevent the misuse of antibiotics, reduce manufacturing costs and ensure that the quality of chicken production is safe. This vaccine is produced by Malaysian Vaccine and Pharmaceutical Sdn. Bhd.

- Gross sales of over **RM2 million**



# STVac7 Intranasal Spray Vaccine



The STAVac7 Internasal Spray Vaccine produced by UPM is a vaccine to control the infection of lung inflammation (manhemiosis) in goats and sheep which typically attacks during the rainy season and can cause death in goats and sheep.

- It is produced using sophisticated recombinant technology and has been proven to give extra protection against the Mannhemia Haemolytica A2, A7 dan A9 bacterial infections.
- This vaccine is administered by spraying it into the nasal valve of goats and sheep.
- Reduces death rate by 98%
- Easy process and saves up to 85% of time

The patent which produces this vaccine has been sold for  
**RM4 million**



# HERBS, HEALTH & ENVIRONMENT



+



## PUTRA AROMATIC



Using herbaceous plants, UPM has generated an aromatic soap known as the Putra Aromatic. This soap has a variety of uses for health while giving out great aromatic effects.

- Putra Aromatic is suitable for the treatment of eczema, body odour and it gives a calming effect to users
- Available in Bitter Ginger, Lemongrass, Patchouli, Lesser Alpinia and Torch Ginger aroma variants







# Serdang BioMass City



UPM's commitment in the development of agricultural innovations and technologies is also supported through green technology projects such as the initiation of a biomass project which indirectly gives added value to the agricultural initiatives. This biomass project is implemented in collaboration with the local authority, institutional partners and local community to improve the solid and organic waste disposal system to create clean and pollutant-free air quality. This project is divided into four parts, namely biogas (electrical energy), biodiesel (fuel), biocompost (fertiliser) and biochar.

Through this project, the production of biogas from organic solid waste can be used to generate electrical energy. On the other hand, the livestock waste and local community green waste can be exploited to produce biocompost for agricultural activities and used cooking oil can be turned into biodiesel. Local residents and businessmen who practice food waste segregation projects will receive free compost. This biomass project is a testament of UPM's high commitment in its supportive efforts to the government in creating sustainable environment and development which is in line with the mission of the university.

63%

(10 out of 16) are  
Agriculture-related  
faculties


- FACULTY OF AGRICULTURE
- FACULTY OF AGRICULTURAL AND FOOD SCIENCES (UPMKB)
- FACULTY OF FOOD SCIENCE AND TECHNOLOGY
- FACULTY OF VETERINARY MEDICINE
- FACULTY OF BIOTECHNOLOGY AND BIOMOLECULAR SCIENCE
- FACULTY OF EDUCATIONAL STUDIES
- FACULTY OF ENGINEERING
- FACULTY OF FORESTRY
- FACULTY OF ENVIRONMENTAL STUDIES
- FACULTY OF DESIGN AND ARCHITECTURE

3

Service Centres  
focusing on  
Agriculture-related  
activities

- UNIVERSITY COMMUNITY  
TRANSFORMATION CENTRE
- UNIVERSITY AGRICULTURE PARK
- VETERINARY HOSPITAL





INSTITUTE OF TROPICAL AGRICULTURE ●  
INSTITUTE OF AGRICULTURAL AND FOOD POLICY ●  
HALAL PRODUCTS RESEARCH INSTITUTE ●  
INSTITUTE OF BIOSCIENCE ●  
INSTITUTE OF ADVANCE TECHNOLOGY ●  
INSTITUTE OF TROPICAL FORESTRY AND FOREST PRODUCTS ●  
INSTITUTE OF PLANTATION STUDIES ●

70%

(7 out of 10) are  
Agriculture-related  
institutes

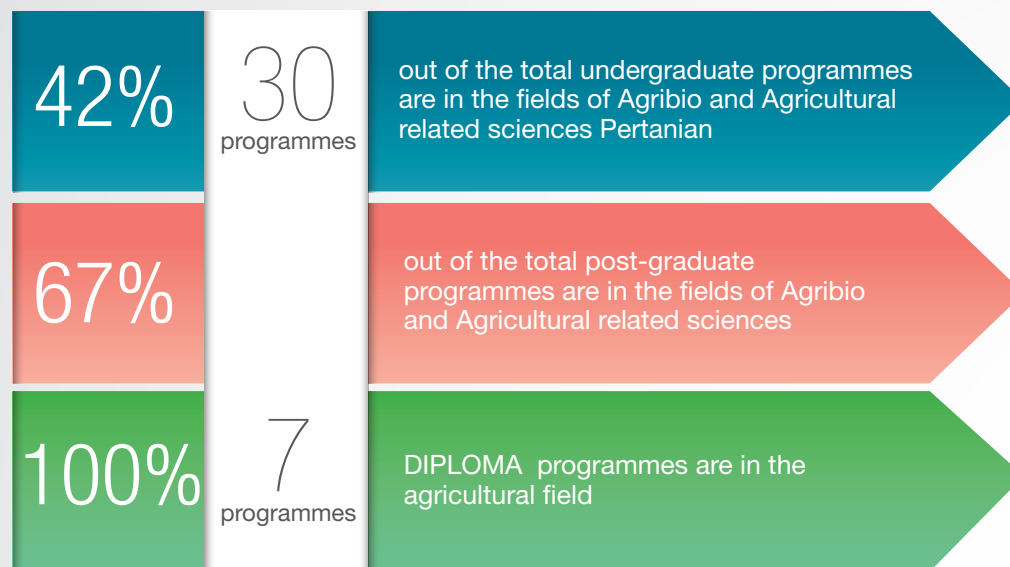
## Statistics of Agriculture-Related Faculties, Institutes & Centres





# STATISTICS OF

## COURSE PROGRAMMES Related to Agriculture



BACHELOR	DIPLOMA	FOUNDATION
Bac.of Agriculture Science Bac. of Bioindustry Science Bac.of Horticulture Science Bac of Agriculture(Aquaculture) Bac. of Agriculture (Animal Science) Bac.of Science (AgriBusiness) Bac. of Science (Hons) Biotechnology Bac.of Science (Hons) Biochemistry Bac.of Science (Hons) Microbiology Bac.of Science (Hons) Cell and Molecular Biology Bac.of Science and Food Technology Bac. of Science (Food Studies) Bac.of Science (Food Services Management) Bac. of Forestry Science Bac of Parks & Recreation Science Bac of Wood Science and Technology Doctor of Veterinary Medicine Bac.of Engineering (Agricultural and Biosystems) Bac. of Engineering (Process and Food) Bac. of Landscape Architecture Bac. of Environmental Management Bac. of Science and Environmental Technology Bac. Of Education (Agricultural Science)	Agriculture Fishery Forestry Animal Health and Production Food Estate Management Agribusiness Agricultural Engineering	Agricultural Science
INDUSTRY COLLABORATION PROGRAMMES		
PROGRAMME	COLLABORATION	
Master of Plantation Management	The Incorporated Society of Planters	
Master of Land Resource Management	Cambridge International Land Institute	
Bachelor of Science (Plantation Management)	Sime Darby, Felda & The Incorporated Society of Planters	

## STUDENT ENROLLMENT IN FOUNDATION STUDIES, DIPLOMA AND UNDERGRADUATE PROGRAMMES RELATED TO **AGRICULTURAL SCIENCES**

Enrollment in the fields of Agribio and Agricultural related Sciences	2009/2010	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015/2016
Agricultural Science Foundation	312	460	331	701	595	1229	1509
Diploma	902	877	882	974	1139	1442	1576
Bachelor	3839	3819	3,527	3934	3484	4848	4619
Total Enrollment	16421	15687	15259	16349	15995	13022	15413

## GRADUATES IN THE FIELDS OF AGROBIO AND **AGRICULTURAL** RELATED SCIENCE

Agribio and Agricultural related Sciences	2009	2010	2011	2012	2013	2014	2015	Jumlah
Diploma	285	249	271	368	278	215	425	2091
Bachelor	1097	993	876	804	824	657	1368	6619
Postgraduate	182	295	353	449	453	425	460	2617

01

China Agricultural  
University

4

02

Zhejiang University

17

03

Jiangnan University

21

04

Nanjing Agricultural  
University

23

05

South China University  
of Technology

29

06

Northwest A&F  
University

42

07

**Universiti Putra  
Malaysia****45**

08

National Taiwan  
University

60

09

Seoul National  
University

64

10

University of Tehran

69

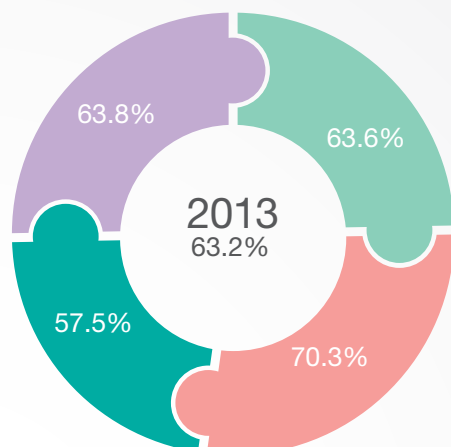


## UPM'S AGRICULTURAL PROGRAMME in GLOBAL RANKING

### U.S News & World Report : Best Global Universities for Agricultural Sciences

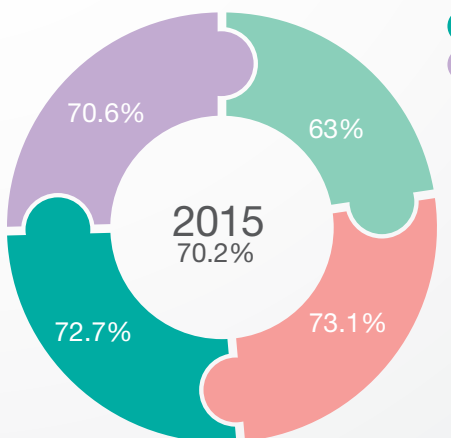
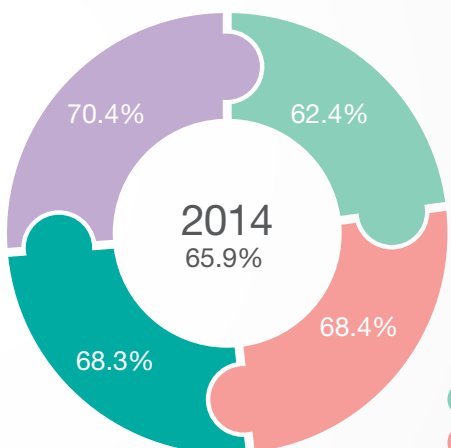
UPM's excellence in the agriculture discipline has once again been recognized by the US News & World Report. It has listed UPM as one of the 50 best universities in the world, and 7th best in Asia, therefore putting UPM in the number one spot in South East Asia via Best Global Universities for Agricultural Sciences ranking. The evaluation for Best Global Universities for Agricultural Sciences used eight (8) research indicators such as publication, global research reputation, citation impact and international cooperation. UPM's achievements in 2015/16 have placed UPM at no 45, a nine (9) step leap compared to the 54th ranking in 2014/2015.



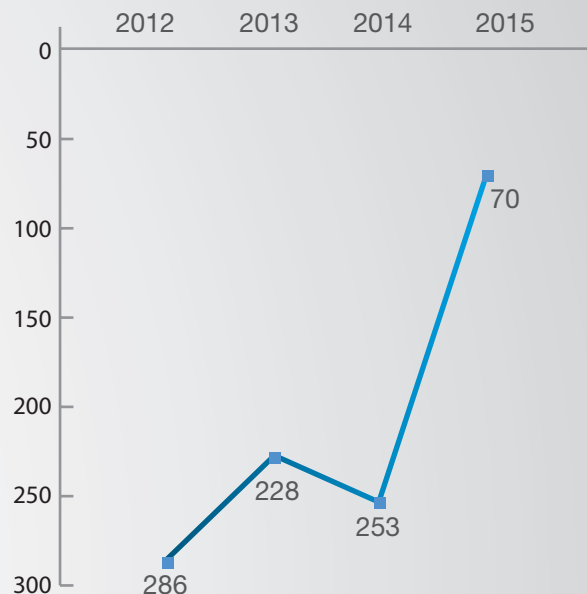


### QS WORLD UNIVERSITY RANKING BY SUBJECTS - AGRICULTURE & FORESTRY

The ranking of Agriculture and Forestry remained in the 100 best in the world since 2013 in the QS World University Ranking by Subjects 2015. The methodology used is based on a study on academic and employer and research impact which takes into account citation per paper and H index. For the agriculture and forestry subjects, the academic reputation score is 50%, 10% for employer reputation, 20% for citation per paper and 20% for H Index.



- Academic Reputation
- Employer Reputation
- Citation Per Paper
- H Index



### NATIONAL TAIWAN UNIVERSITY RANKING (NTU) - PERFORMANCE RANKING OF SCIENTIFIC PAPERS FOR WORLD UNIVERSITIES (RANK BY SUBJECT) - AGRICULTURE SCIENCES

The NTU Ranking which evaluates scientific papers in the Agriculture Science subject of universities in the world, has placed UPM in the top 100 World's best universities for 2015. UPM is listed in the 70th place in 2015 compared to its 253th in 2014. This is indeed a major achievement in performance in the four years UPM has been in the ranking system. The indicators used by NTU for ranking subjects are research productivity, research impact and research excellence.





UPM has taken the initiative to introduce Urban Agriculture as an initiative to enhance the availability and accessibility of food among urban dwellers which is expected to increase in numbers rapidly due to the migration of rural dwellers to urban areas. Urban Agriculture will help boost food production as well as assist the economy of the low income group in urban areas. This will also lessen the dependence on food from rural areas which will in turn reduce carbon footprint and increase the nation's food self-sufficiency.

In 2015, UPM assisted the community by introducing **19** Urban Agriculture programmes in **Selangor, Kuala Lumpur, Johor, Perak and Pahang.**

The agri-entrepreneur incubation programme is one of the main initiatives of UPM which focuses on developing agri-entrepreneurs among graduates. The programme has been carried out since 2012. Among the main objectives are to produce excellent and diligent agri-entrepreneurs, whom possess high confidence and attributes of an agri-entrepreneur and are ever ready to carry out agricultural projects

## Urban Agriculture



191  agri-entrepreneur incubation programmes have been completed and 48  have been registered. The programmes involved 90 **(47%)** individuals or group participants



## Urban Agriculture

The Agriculture Clinic is a special programme to share expertise with farmers, entrepreneurs and agricultural development agencies. This initiative is to give the targeted groups an opportunity to present their problems about agriculture to UPM experts and at the same time UPM has the opportunity to contribute its agricultural expertise directly to assist the community and agencies by diagnosing problems together.



## Agriculture Clinic

# INITIATIVES

IN GENERATING AGRICULTURAL AND  
RELATED PROJECTS

Putra Extension



The PUTRA extension bus is a method used to enhance community networking programmes through advisory and consultancy services for the community in the field of agriculture. This facility will enable targeted groups in chosen areas to receive extension services in the field of agriculture. The agricultural extension programme is carried out through smart partnerships with various related clusters and local agencies.





# INTERNATIONAL AGRICULTURAL COLLABORATION

UPM ACHIEVED COLLEGIALLY AND A MUTUAL AGREEMENT FOR THE SUCCESS OF AGRICULTURE

## Faculty of Forestry

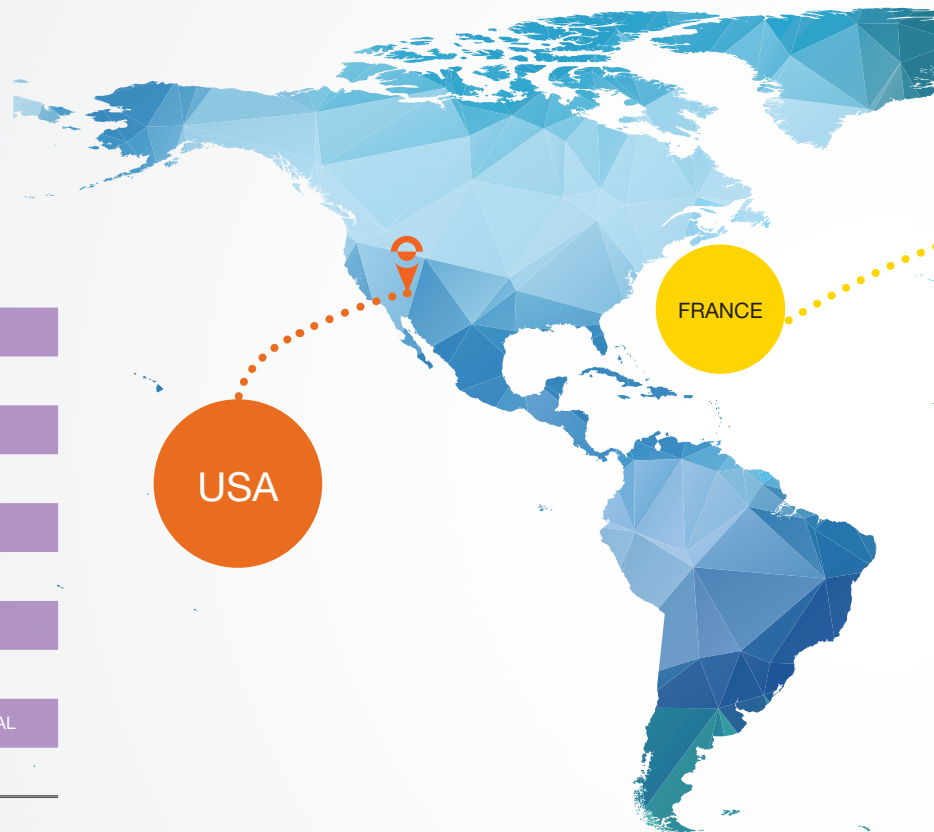
Institute of Medicinal Plant Development (IMPLAD)	CHINA
Beijing Forestry University	CHINA
Tokyo Metropolitan University	JAPAN
Kochi University	JAPAN
Hiroshima University	JAPAN
The Forestry and Forest Products Research Institute (FFPRI)	JAPAN
College of Forest and Environmental Sciences Kangwon National University	KOREA
Warsaw University of Life Sciences	POLAND
University of Coimbra	PORTUGAL
Moscow State Forest University	RUSSIA

## Faculty of Food Science and Technology

University of Newcastle	WALES
Mae Fah Luang, University	THAILAND
University of Maryland, College Park	US
Iowa State University of Science & Technology	US

## Faculty of Biotechnology and Biomolecular Sciences

Nara Institute of Science and Technology (NAIST)	JAPAN
Okayama University	JAPAN
Functional Food Creation Research Institute Co., Ltd.	JAPAN
Kyushu Institute of Technology	JAPAN





## Faculty of Veterinary Medicine

Bangladesh Agricultural University	BANGLADESH
Alfort Veterinary School, and "Fondation Alfort"	FRANCE
Bogor Agricultural University (Institut Pertanian Bogor)	INDONESIA
University of Miyazaki	JAPAN
Utrecht University	NETHERLAND
Sindh Agriculture University	PAKISTAN
Moredun Research Institute, Scotland	SCOTLAND

## Faculty of Agriculture

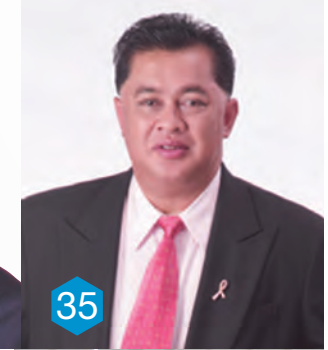
University of Western Australia	AUSTRALIA
University of Nottingham	UK
University of Sheffield	UK
University Jember	INDONESIA
Universitas Sumatera Utara	INDONESIA
Niigata University	JAPAN
Agropolis International, Montpellier	FRANCE

# Alumni

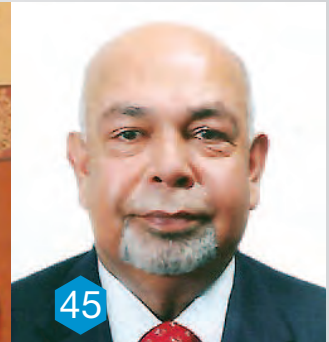
ICON OF  
UNIVERSITI PUTRA MALAYSIA



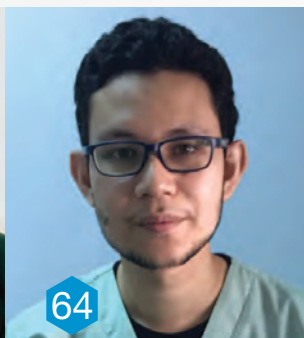




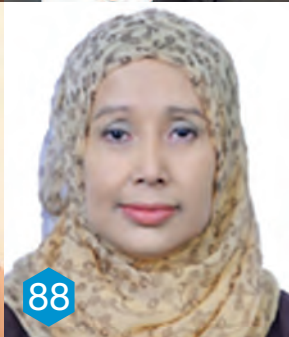
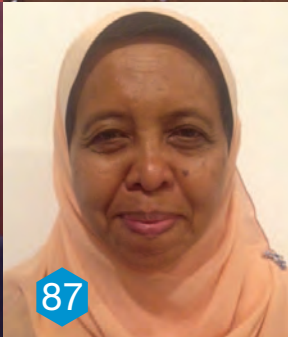












## ALUMNI ICONS of UNIVERSITI PUTRA MALAYSIA

BIL	NAME	PROGRAMME OF STUDIES	ALUMNI YEAR	POSITION/NAME OF COMPANY
1	MOHD RASHID AHMAD (DR.) (DECEASED)	DIPLOMA IN AGRICULTURE	1937	FOUNDER OF UPM
2	HAJI AWANG MOHD. JAMIL AL-SUFRI (DATO SERI UTAMA DR.)	DIPLOMA IN AGRICULTURE	1951	ACCLAIMED FIGURE ON LANGUAGE, LITERATURE AND THE HISTORY OF BRUNEI
3	ARSHAD AYUB (TAN SRI UTAMA DATUK DR.)	DIPLOMA IN AGRICULTURE	1954	PRO CHANCELLOR, UiTM
4	MOHD NOOR ISMAIL (TAN SRI DATO' DR.)	DIPLOMA IN AGRICULTURE	1955	MEMBER OF UPM BOARD OF DIRECTORS, MEMBER OF YPR BOARD OF TRUSTEES
5	TAN TEO KIM (MR)	DIPLOMA IN AGRICULTURE	1955	MEMBER OF YPR BOARD OF TRUSTEES
6	MOHD RASHDAN BABA (PROF. EMERITUS TAN SRI DATO' DR.)	DIPLOMA IN AGRICULTURE	1957	UPM FIRST VICE CHANCELLOR
7	NAYAN BIN ARIFFIN (TAN SRI DATO' DR.)	DIPLOMA IN AGRICULTURE	1957	PRO CHANCELLOR UPM
8	HASHIM ABDUL WAHAB (DATO' DR.)	DIPLOMA IN AGRICULTURE	1959	EXECUTIVE ADVISOR, UNIVERSITI ISLAM MALAYSIA
9	MOHAMED YUSOF HASHIM (TAN SRI DATO' DR.)	DIPLOMA IN AGRICULTURE	1960	EXECUTIVE CHAIRMAN, SAAG OIL & GAS BHD
10	ALANG PERANG ABD RAHMAN ZAINUDDIN (DATUK DR)	DIPLOMA IN AGRICULTURE	1965	FARMER, KELULUT HONEY
11	HABIBUR RAHMAN IBRAHIM (MR)	DIPLOMA IN AGRICULTURE	1967	DIRECTOR, DK COMPOSITES SDN BHD
12	SHARIFUDDIN ABDUL HAMID (DR.)	DIPLOMA IN AGRICULTURE	1967	BOARD MEMBER, YAYASAN PAK RASHID
13	ZAKRI ABDUL HAMID (PROF EMERITUS TAN SRI DATO SRI DR)	DIPLOMA IN AGRICULTURE	1969	SCIENCE ADVISOR TO THE PRIME MINISTER OF MALAYSIA
14	MD. YUSOF HUSIN (DR.)	DIPLOMA IN AGRICULTURE	1969	MANAGING DIRECTOR HEXAGON GREEN SDN BHD
15	SYED HJ ABDUL RAHMAN SYED HJ ABDUL RASHID (DATUK)	DIPLOMA IN AGRICULTURE	1970	CHIEF EXECUTIVE OFFICER AL MASHOOR AGRO PARK
16	GHAZALI SALAMAT (TUAN HJ)	DIPLOMA IN AGRICULTURE	1970	SECRETARY GENERAL, ALUMNI ASSOCIATION UPM
17	ABU TALIB BACHIK (DATO' DR.)	DIPLOMA IN AGRICULTURE	1971	CHAIRMAN & MEMBER OF THE AUDIT COMMITTEE, JAVA BERHAD
18	IBRAHIM AHMAD BADAWI (DATUK)	DIPLOMA IN AGRICULTURE	1971	CHIEF EXECUTIVE OFFICER DEWINA HOLDINGS SDN BHD
19	HARRY HO CHEE WAN (MR)	DIPLOMA IN AGRICULTURE	1971	MANAGING DIRECTOR, AGRICULTURAL CHEMICAL (M) SDN BHD



BIL	NAME	PROGRAMME OF STUDIES	ALUMNI YEAR	POSITION/NAME OF COMPANY
20	KHAMIS MD SOM (DATUK)	DIPLOMA IN AGRICULTURE	1971	INDEPENDENT NON-EXECUTIVE CHAIRMAN OF THE BOARD OF JAVA BERHAD
21	MUHAMAD ZOHADIE BARDAIE (PROF. DATO' DR. IR.)	DIPLOMA IN AGRICULTURE	1971	EXECUTIVE CHAIRMAN FORESIGHT INDUSTRIES
22	SYED RAZLAN JAMALULLAIL (DATO' SERI DIRAJA)	DIPLOMA IN AGRICULTURE	1972	PRESIDENT, UPM ALUMNI ASSOCIATION
23	WAN ABDUL RAHAMAN WAN YAACOB (DR.)	DIPLOMA IN AGRICULTURE	1972	CHAIRMAN, LINGKARAN TRANS KOTA HOLDINGS BERHAD
24	MARIAM MAS YACOB (DATO' HJH)	DIPLOMA IN AGRICULTURE	1972	CHAIRMAN NATIONAL POPULATION AND FAMILY DEVELOPMENT BOARD
25	MAKHDZIR MARDAN (PROF EMERITUS DATO' DR)	DIPLOMA IN AGRICULTURE	1974	CHIEF EXECUTIVE OFFICER MALAYSIAN PALM OIL ASSOCIATION (MPOA)
26	ZAINAL ABIDIN YAHYA (TUAN HAJI)	DIPLOMA IN AGRICULTURE	1974	MANAGING DIRECTOR, MALAYAN AGRO CONSULT SDN BHD
27	JAMES PHILIP HO (MR)	DIPLOMA IN AGRICULTURE	1974	ENTREPRENEUR
28	ABDUL AZIZ ABU BAKAR (DATO')	DIPLOMA IN AGRICULTURE	1975	DIRECTOR TUNE AIR (M) SDN BHD
29	ZAINUL AZIZAN DATO' ZAINUL AZIZ (DATO' DR.)	DIPLOMA IN AGRICULTURE	1975	MANAGING DIRECTOR, NAGASTEEL SDN BHD
30	NIK MUSTAPHA R. ABDULLAH (PROF. TAN SRI DATUK DR.)	DIPLOMA IN AGRICULTURE	1976	CHAIRMAN, UPM HOLDINGS
31	SOH POH SHENG (DATO')	DIPLOMA IN AGRICULTURE	1976	MANAGING DIRECTOR, SAMSONY GROUP
32	ANAS AHMAD NASARUDIN (TUAN HJ)	DIPLOMA IN AGRICULTURE/ BACHELOR OF ENGINEERING	1976/ 1984	CHIEF EXECUTIVE OFFICER MARDI HOLDINGS
33	KAMAL BIN AHMAD MILATU (MR)	DIPLOMA IN AGRICULTURE	1977	DIRECTOR TEGUH KONSULT SDN BHD
34	ABD. SHUKOR ABD. RAHMAN (DATUK DR.)	BACHELOR OF AGRICULTURE SCIENCE	1978	CHAIRMAN ARIF EFEKTIF SDN BHD
35	MANSOOR WAN ABDULLAH (MR)	BACHELOR OF AGRIBUSINESS	1978	PRESIDENT, AVON MALAYSIA
36	MOHAMAD HASHIM AHMAD TAJUDIN (DATO' DR.)	BACHELOR OF SCIENCE (AGRICULTURE)	1978	YPR BOARD MEMBER/ DEPUTY PRESIDENT, PAUPM
37	MARK PHILIP MCGUIRE (MR)	DIPLOMA IN AGRICULTURE	1978	MANAGER/ OWNER KELIDA ESTATE

BIL	NAME	PROGRAMME OF STUDIES	ALUMNI YEAR	POSITION/NAME OF COMPANY
38	ZAKARIA KASA (PROF. DR.)	DIPLOMA IN AGRICULTURE	1978	VICE CHANCELLOR
39	MAD NASIR SHAMSUDIN (PROF. DATUK DR.)	DIPLOMA IN AGRICULTURE	1978	DEPUTY VICE CHANCELLOR (ACADEMIC AND INTERNATIONAL) UPM
40	SAPUAN AHMAD (TUAN HJ.)	BACHELOR OF FORESTRY SCIENCE	1979	DIRECTOR OF FORESTS, SARAWAK
41	ROHANI HAJI ABDUL KARIM (DATUK SERI)	BACHELOR OF AGRIBUSINESS	1979	MINISTER, MINISTRY OF WOMEN, FAMILY AND COMMUNITY DEVELOPMENT
42	AINI IDERIS (PROF. DATIN PADUKA DR.)	DOCTOR OF VETERINARY MEDICINE	1979	VICE CHANCELLOR, UPM
43	MOHAMED FAUZI OMAR (MR)	DIPLOMA IN SCIENCE (EDUCATION)	1981	MANAGING DIRECTOR COMPUGATES HOLDINGS BERHAD
44	SYED MUNSHE AFDZARUDDIN SYED HASSAN (DATO' )	MASTER OF AGRIBUSINESS	1982	MALAYSIAN AMBASSADOR
45	SHARIFUDDIN ABDUL WAHAB (DR.)	MASTER OF SCIENCE (ANIMAL REPRODUCTION)	1983	DIRECTOR KSK GROUP BERHAD
46	SHARIF HARON (DATO' DR)	BACHELOR OF AGRICULTURE SCIENCE	1983	DIRECTOR GENERAL, MARDI
47	SYED OMAR SYED RASTAN (DR.)	BACHELOR OF AGRICULTURE SCIENCE (SOIL CHEMISTRY)	1983	HONORARY PRESIDENT DIVERSATECH (M) SDN. BHD.
48	TAJUDDIN ATAN (DATO')	BACHELOR OF AGRIBUSINESS	1983	CHIEF EXECUTIVE OFFICER BURSA MALAYSIA
49	KAUSALYA DEVI SATHOO (MDM)	DIPLOMA IN HUMAN DEVELOPMENT	1985	DEPUTY DIRECTOR INMATE MANAGEMENT DIVISION MALAYSIAN PRISON DEPARTMENT
50	PAUL MONY SAMUEL (DATO') (DECEASED)	BACHELOR OF EDUCATION (TESL)	1985	EX-SECRETARY GENERAL, FAM, AFF & AFC
51	ZAITON OTHMAN (MDM)	BACHELOR OF EDUCATION (PHYSICAL EDUCATION)	1987	SPORT COMMISSIONER, MALAYSIA SPORTS COMMISSIONER OFFICE
52	MOHD AZMI MOHD LILA (PROF. DATO' DR.)	DOCTOR OF VETERINARY MEDICINE	1988	DEPUTY VICE CHANCELLOR (RESEARCH AND INNOVATION) UPM
53	SHARIFAH MAZLINA SYED ABDUL KADIR (DATIN PADUKA)	BACHELOR OF EDUCATION (PHYSICAL EDUCATION)	1990	MANAGING DIRECTOR MEPS CONCEPT TRAINING SDN BHD
54	LIM SWEE TIN (DR.)	BACHELOR OF MALAY LANGUAGE AS THE FIRST LANGUAGE (WITH HONOUR)	1992	UPM LECTURER, LITERARY LAUREATE

BIL	NAME	PROGRAMME OF STUDIES	ALUMNI YEAR	POSITION/NAME OF COMPANY
55	KARAM SINGH WALIA (MDM)	BACHELOR OF EDUCATION (TESL)	1995	REPORTER
56	SHAMSUL AZHAR ISMAIL (MR)	BACHELOR OF SCIENCE RESOURCES ECONOMIC	1996	MANAGING DIRECTOR WIRANDA (M) SDN BHD
57	MUHAMMAD HIZAL MUSTAFA (MR)	DIPLOMA IN COMPUTER SCIENCE	1997	MANAGING DIRECTOR H&E GLOBAL TRADING
58	AHMAD ZAHID HAMIDI (DATO' SERI DR.)	MASTER OF SCIENCE (CORPORATE COMMUNICATION)	2000	DEPUTY PRIME MINISTER
59	BIBIANA NG PEI CHIN (MS)	BACHELOR OF BIOINDUSTRY	2000	DEPUTY SUPRITENDANT OF POLICE
60	MUHAMMAD NAZRI LOKMAN (MR)	BACHELOR OF ACCOUNTANCY	2000	CHIEF EXECUTIVE OFFICER PHYTOGOLD SDN BHD
61	SHAHRLUL NIZAM KHOSIM (MR)	BACHELOR OF COMMUNICATION	2006	MANAGING DIRECTOR RITZ RANCH SDN BHD
62	MOHD SABRIE SALLEH (MR)	BACHELOR OF ACCOUNTANCY	2009	CHIEF EXECUTIVE OFFICER MD FOOD ARTIST SDN BHD
63	MUHAMMAD IZHAM MUHAMAD ELIAS (MR)	BACHELOR OF HORTICULTURAL SCIENCE	2012	FOUNDER OF KEBUN BANDAR
64	MUHAMMAD TARIQ SHAMSUDDIN (DR.)	DOCTOR OF VETERINARY MEDICINE	2014	OPERATOR/ OWNER ZIYAD VETERINARY CLINIC
65	ARIFF HAKIMI ZULKIFLI (MR)	BACHELOR OF LANDSCAPE ARCHITECTURE	2002	MANAGING DIRECTOR AZULME VENTURES CORPORATION
66	MOHD NORASHEDY AB RASHID (MR)	BACHELOR OF SCIENCE (HUMAN DEVELOPMENT)	2004	CHIEF EXECUTIVE OFFICER USAHAJANA SDN. BHD.
67	MOHD SHAHFARIN HJ SELAMAT (MR)	BACHELOR OF BIOINDUSTRY	2003	HEAD OF BUSINESS DIVISION SAPURA KENCANA
68	AZMAN MAHMUD (DATO')	BACHELOR OF ENGINEERING	1986	CHIEF EXECUTIVE OFFICER, MIDA
69	ZAKRI AFANDI ISMAIL (DATO')	BACHELOR OF ACCOUNTANCY	1991	DIRECTOR, ADVANCED AIR TRAFFIC SYSTEMS
70	MOHD AZLAN ABDUL MUBIN (MR)	BACHELOR OF EDUCATION (PHYSICAL & HEALTH)	2008	SPORTS COMMENTOR (RTM)
71	JOHAN IDRIS (DATUK)	BACHELOR OF ACCOUNTANCY & FINANCE	1990	MANAGING PARTNER, KPMG
72	RAZWIN SULAIREE HASNAN TERMIZI (MR)	BACHELOR OF INDUSTRIAL CHEMISTRY	1995	CHIEF OPERATING OFFICER MALAYSIA BIOTECHNOLOGY CORPORATION



BIL	NAME	PROGRAMME OF STUDIES	ALUMNI YEAR	POSITION/NAME OF COMPANY
73	MOHD HUZAIFI KAMARUDDIN (MR)	BACHELOR OF HORTICULTURAL SCIENCE	2007	GENERAL MANAGER (PPK), MUDA AGRICULTURE DEVELOPMENT AUTHORITY (MADA)
74	HUSAINI OMAR (ASSOC. PROF. DR.)	PHD IN GEOLOGICAL ENGINEERING & EXPERT SYSTEM	2002	DIRECTOR, UPM HOLDINGS SDN. BHD
75	AMOS NG (MR)	BACHELOR OF LANDSCAPE ARCHITECTURE	2000	CHIEF EXECUTIVE OFFICER, AMOS NG ARCHITECHURE
76	MOHD RIDHUAN TEE ABDULLAH (ASSOC. PROF. DR.)	PHD (POLITICS AND GOVERNMENT)	2008	MALAYSIA RENOWNED SPEAKER
77	NOR AZZURA AZIZUL AZMAN (MDM)	BACHELOR OF COMMUNICATION	2011	TV PERSONALITY
78	MAHALI JASULI (MR)	BACHELOR OF SCIENCE (HUMAN DEVELOPMENT)	2012	MALAYSIAN PROFESSIONAL FOOTBALLER
79	MOHD BUNYAMIN UMAR (MR)	BACHELOR OF SCIENCE (HUMAN RESOURCE DEVELOPMENT)	2012	MALAYSIAN PROFESSIONAL FOOTBALLER
80	WAN AZMAN BIN WAN OMAR (DATO')	MASTER OF SCIENCE (HUMAN RESOURCE DEVELOPMENT)	1999	REGISTRAR, UPM
81	ROSLINDA SAMSU (MDM)	BACHELOR OF EDUCATION (PHYSICAL EDUCATION)	2012	NATIONAL ATHLETE
82	RAHIM MD SAIL (PROF. EMERITUS)	DIPLOMA (AGRICULTURE)	1969	EX-DEPUTY VICE CHANCELLOR (STUDENT AFFAIRS) UPM 1991-1999
83	MOHD FADZIL CHE DIN (ASSOC. PROF. DR.)	BACHELOR OF EDUCATION (GUIDANCE & COUNSELLING)	1989	DEPUTY VICE CHANCELLOR (STUDENT AFFAIRS AND ALUMNI), UNIVERSITI PERTAHANAN NASIONAL MALAYSIA
84	MAHFOOR HJ. HARRON (MR)	DIPLOMA IN AGRICULTURE	1972	FELLOW ADVISOR, FACULTY OF AGRICULTURE, UPM
85	JALALUDDIN HARUN (DR.)	BACHELOR OF SCIENCE (FORESTRY)	1980	DIRECTOR GENERAL, MALAYSIAN TIMBER INDUSTRY BOARD (MTIB)
86	MANSOR ABU TALIB (ASSOC. PROF. DR.)	DIPLOMA IN AGRICULTURE	1982	ASSOC. PROF., DEPARTMENT OF HUMAN DEVELOPMENT AND FAMILY STUDIES, FACULTY OF HUMAN ECOLOGY, UPM

BIL	NAME	PROGRAMME OF STUDIES	ALUMNI YEAR	POSITION/NAME OF COMPANY
87	MAZANAH MUHAMAD (PROF. DR.)	BACHELOR OF SCIENCE (AGRICULTURE)	1978	FOUNDER AND CHAIRPERSON OF PERSATUAN KANSER NETWORK SELANGOR & WILAYAH PERSEKUTUAN-KANWORK (SELANGOR & FEDERAL TERRITORIES CANCER SOCIETY)
88	JINAP SELAMAT (PROF. DR.)	DIPLOMA IN SCIENCE AND EDUCATION	1975	PROFESSOR OF FOOD SCIENCES, UPM
89	MUHAMAD HISHAM MOHD. NOOR (MR)	BACHELOR OF BIO INDUSTRY	1999	REGIONAL MANAGER, REGIONAL OFFICE 3 PENDANG, MADA PENDANG
90	SATHIASEELAN PAUL THURAI / SEELAN PAUL (MR)	BACHELOR OF EDUCATION (PHYSICAL EDUCATION)	1998	CHIEF OPERATING OFFICER, MEDIA PRIMA TELEVISION NETWORK (RTMP)
91	NOR AZMAN SHAHIMI (CAPTAIN)	BACHELOR OF COMPUTER SCIENCE	2003	TD PILOT, SKUADRON UDARA PENINJAU TAKTIKAL (TACTICAL SUIVEILANCE AIR SQUADRON), REGIMENT 881 MALAYSIAN ARMY AVIATION
92	AMRAN ATAN (MR)	BACHELOR IN DESIGN AND ARCHITECTURE	2006	LECTURER OF ARCHITECTURE-CUM-HEAD COORDINATOR OF INDUSTRIAL TRAINING, MERLIMAU POLYTECHNIC, MELAKA
93	IDRIS KECHOT (DATO')	BACHELOR OF SCIENCE (AGRIBUSINESS)	1993	VICE PRESIDENT AND CHIEF OPERATING OFFICER KUMPULAN PERMODALAN NASIONAL BERHAD
94	FRANKI ANTHONY DASS (DATUK)	BACHELOR OF AGRICULTURE SCIENCE	1986	MANAGING DIRECTOR, SIME DARBY PLANTATION
95	AHMAD KAMARULNAJUIB CHE IBRAHIM (DATO' DR.)	BACHELOR OF ENGINEERING (AGRICULTURE)	1983	GENERAL DIRECTOR, DEPARTMENT OF ENVIRONMENT
96	MOHD HAZMIE HASSAN (MR)	DIPLOMA IN AGRICULTURE	2012	MANAGING DIRECTOR, PA_MIE PETANI ENTERPRISE
97	KAMARUDIN HJ. DAHULI (MR)	BACHELOR OF AGRONOMY	1988	DIRECTOR, MUDA AGRICULTURE DEVELOPMENT AUTHORITY (MADA)
98	NOR AZIRIM AHMAD (MR)	DIPLOMA IN FORESTRY	2000	DIRECTOR, DEPARTMENT OF FORESTRY
99	SITI SALMIYAH TAHIR (DR.)	DOCTOR OF VETERINARY MEDICINE	1985	DIRECTOR, DEPARTMENT OF VETERINARY SERVICES, PULAU PINANG
100	HJ. MOHD KHAIR WAN (MR)	DIPLOMA IN AGRICULTURE	1979	GENERAL MANAGER, FARMER ASSOCIATION AREA A2 KODIANG
101	MOHD SAID SAAD (DR.)	BACHELOR OF AGRICULTURE SCIENCE	1980	CHAIRMAN, SATIRI SDN BHD



Corporate Strategy and Communications Office  
(CoSComm)

Level 3, Putra Canselor Building,

Universiti Putra Malaysia,

43400 UPM Serdang,

Selangor Darul Ehsan, Malaysia

Tel : +603-8946 6092

Fax: +603-8943 1296