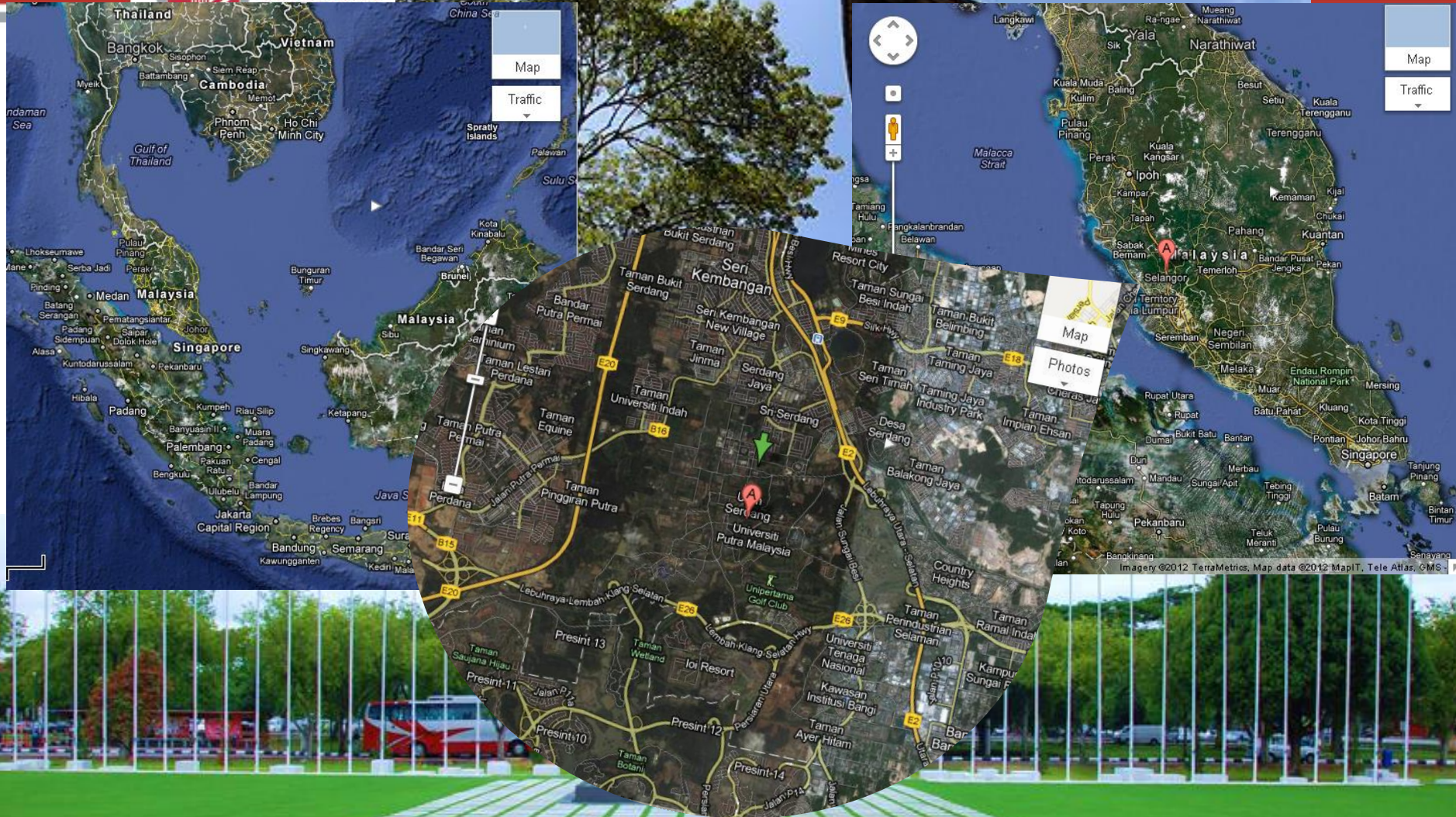




FACULTY OF BIOTECHNOLOGY AND BIOMOLECULAR SCIENCES
UNIVERSITI PUTRA MALAYSIA
WITH KNOWLEDGE WE SERVE



Location



HISTORY

- 1931 - School of Agriculture
- 1947 - Malayan Agricultural College
- 1971 - Universiti Pertanian Malaysia
- 1997 - Universiti Putra Malaysia
- 2006 - Recognize as one of research universities in Malaysia

UNIVERSITY's FACTS AND INFO

- Faculties : 16
- Institutes : 9
- Centre : 16

UNDERGRADUATE	TOTAL
Undergraduates	17,252
International Undergraduates	326
Undergraduate Exchange to UPM	277

POSTGRADUATE	TOTAL
Postgraduates	10,286
International Postgraduates	2,948
Postgraduates Exchange to UPM	26



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

CAMPUS FACILITIES



LIBRARY



SPORTS



CAMPUS FACILITIES



CULTURE AND ARTS



COLLEGE





UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

CAMPUS FACILITIES



FOODS



RECREATION





UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

Vision

- To become an internationally reputable Faculty in the area of biotechnology and biomolecular sciences.

Mission

- To be a leading centre of learning and research in the area of biotechnology and biomolecular sciences, contributing not only towards the creation of wealth and nation building but also towards universal human advancement and discovery of knowledge.

FACULTY OF BIOTECHNOLOGY & BIOMOLECULAR SCIENCES



Dean



Prof. Datin Paduka Dr. Khatijah Mohd Yusoff

Head of Unit

Deputy Deans



Prof. Dr. Mohd. Ali Hassan
*Industry & Community
Relation Unit*



Prof. Dr. Suraini Abd. Aziz
Academic and Student Affairs



Assoc. Prof. Dr. Norazizah Shafee
Research and Postgraduate Studies

Head of Departments



Prof. Dato' Dr. Abu Bakar Salleh
Biochemistry



Assoc. Prof. Dr. Rosfarizan Mohamad
Bioprocess Technology



Assoc. Prof. Dr. Muhajir Hamid
Microbiology



Assoc. Prof. Dr. Janna Ong Abdullah
Cell and Molecular Biology

Registrar



Mr. Amiruddin Abd. Aziz

Head of Research Center

Prof. Dr. Raja Noor Zaliha Raja Abd Rahman
Enzyme & Microbial Technology

Head of Research Center

Prof. Dr. Arbakariya Ariff
Bioprocessing & Biomanufacturing





FACULTY STAFF

Academic Staff

Professor	14
Assoc. Professor	14
Lecturer	31
Tutor	16
Total	75

Non-Academic Staff

Administration Officer	3
Science Officer	6
Research Officer	2
Engineer	1
Supporting Staff	77
Total	89



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*



ACADEMIC AND STUDENT AFFAIR



PROGRAMMES OFFERED

Undergraduate Studies



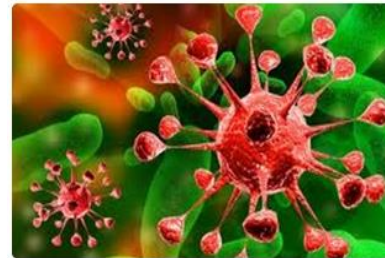
Cell and Molecular Biology

- B. Sc. (Hons.) Cell & Molecular Biology
- 4 years



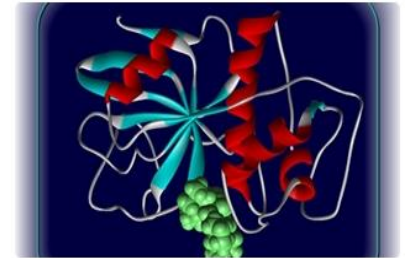
Bioprocess Technology

- B. Sc. (Hons.) Biotechnology
- 4 years



Microbiology

- B. Sc. (Hons.) Microbiology
- 4 years



Biochemistry

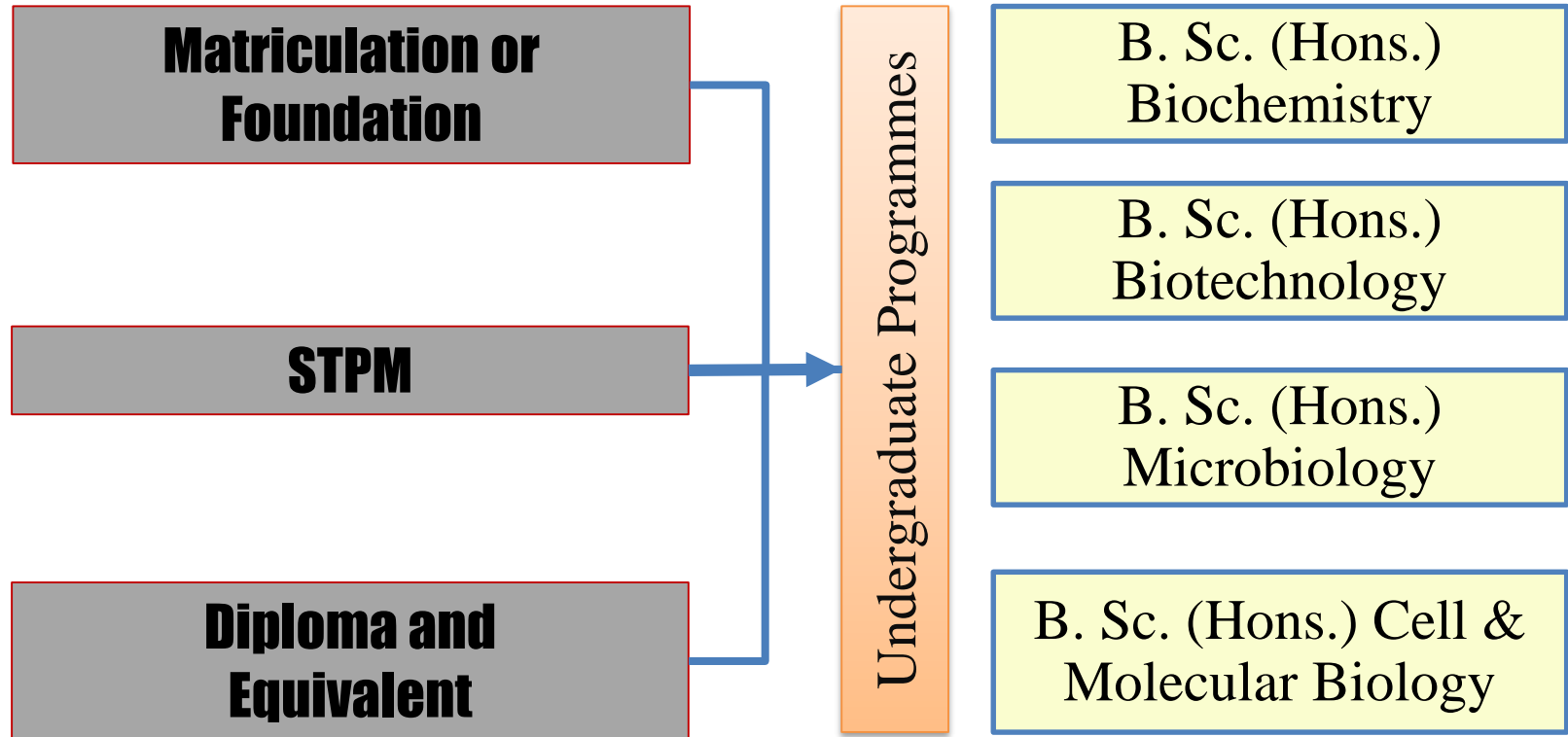
- B. Sc. (Hons.) Biochemistry
- 4 years



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

ENTRY REQUIREMENTS





PUTRA LEARNING MANAGEMENT SYSTEM (PUTRA LMS)

Course materials :
Notes, assignments
and etc

Shared files

- 12 BTK4004 Isu Pengkomersilan Bioteknologi 14Jan2008.pdf
- 14 BiotechCorp 20Jan2010.pdf
- 8 BTK4004 What an Investor looks for in Biotech 03Jan2011.pdf
- 10 Business Plan Outline 03Jan2011.pdf
- 1 BTK4004 Notes Commercialisation 03Jan2011.pdf
- 5 BTK4004 Biotechnology Ideas to Market 03Jan2011.pdf
- 3 BTK4004 Slides Commercialisation 03Jan2011.pdf
- 9 BTK4004 Isu Pengkomersilan Bioteknologi 03Jan2011.pdf
- 11 National Biotechnology Policy 2005.pdf
- 2 BTK4004 Time Line of Biotechnology 03Jan2011.pdf
- 4 - Managing Ideas.pdf
- 6 BTK4004 Managing Intellectual Property 03Jan2011.pdf
- 13 ICC UPM Commercialisation of Biotechnology.pdf
- 4 BTK4004 Managing Ideas and Commercialisation 03Jan2011.pdf
- 7 BTK4004 Biotech Patents and Startups 03Jan2011.pdf



STUDENT INFORMATION SYSTEM (SMP)

iPad 12:08 pm 7%

e-SMP : Sistem Maklumat X

www.smp.upm.edu.my/smp/action/main/indexSmpStdSetup?

UPM student page MUHAMMAD SHALHADI BIN SAHARUDDIN (162204)
e-smp ROLE : @SMPPELAJAR

Menu Student Portal → MyRegister

MYREGISTER

COURSE REGISTRATION COURSES DROPPED COURSES EXEMPTION COURSE TAKEN LECTURE/LAB SCHEDULE EXAMINATION RESULT ASSESSMENT RESULT FOR CURRENT SEMESTER CURRICULUM STRUCTURE

! MUHAMMAD SHALHADI BIN SAHARUDDIN

You are not allowed to register any course due to the following reason(s) :

1) Now is not within registration period.

LIST OF COURSES REGISTERED :

NO.	COURSE CODE	COURSE NAME	CREDIT HOUR	STATUS	LECTURE TIME	LECTURE GROUP	LECTURE LOCATION	LAB TIME	LAB GROUP	LOC
1.	BTC3002	COMMERCIALISATION AND CURRENT ISSUES IN BIOTECHNOLOGY	2(2+0)	YW	S10-12	1	BS BIOTECH 1.4			
2.	BTC3303	BIOPROCESS DESIGN AND SCALING-UP	3(2+1)	YW	I10-12	1	BS BIOTECH 1.3	R14-17	1	MP
3.	BTC3401	SOLID WASTE TREATMENT TECHNOLOGY	2(2+0)	YW	K08-10	1	BS BIOTECH 1.3			
4.	BTC4901	INDUSTRIAL TRAINING	6(0+6)	YW	LATIHAN INDUSTRI	1				
TOTAL CREDIT HOURS :			13							

PRINT REGISTRATION SLIP



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

STUDENT CENTRED LEARNING (SCL)

SCL Approaches



Case Study

Modular Approach



Four current focus
of SCL approaches
(MoHE)

Problem Based Learning
(PBL)

Project Oriented
Problem Based Learning
(PoPBL)



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Student Centred Learning
Universiti Putra Malaysia



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

TEACHING FACILITIES - CLASS





UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

TEACHING FACILITIES - CLASS





UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

TEACHING FACILITIES - LABORATORY





UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

TEACHING FACILITIES - ICT





UPM

Universiti Putra Malaysia
Knowledge We Serve

Students orientation

HARI MUHIBAH BioMIX 2010
TARIKH: 25 JULAI 2010
MASA: 8.00 PG - 5.00 PTG
TEMPAT: BIOTECH 1 & 2

FORUM KERJAYA 2010
TARIKH: 25 JULAI 2010
MASA: 11.00 PG - 1.00 PTG
TEMPAT: BIOTECH 1 (DKA 113)

Career Day

ACTIVITIES



Biomix Dinner



Muhibbah Biomix



Outdoor activities



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

DISTRIBUTION OF INTERNATIONAL STUDENTS





UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*



RESEARCH AND POSTGRADUATE STUDIES



PROGRAMMES OFFERED

Postgraduate Studies

Doctor of Philosophy (PhD)

- With Thesis
- 6-10 Semesters



Master of Science (MS)

- With Thesis
- 4-6 Semesters





FIELD OF STUDIES

**Industrial
Biotechnology**

**Environmental
Biotechnology**

**Structural
Biology**

Biochemistry

**Nanobiotech-
nology**

**Genetic
Engineering
and Molecular
Biology**

**Animal Cell
Biotechnology**

Microbiology

**Food and
Enzyme
Biotechnology**

**Bioinformatics
and Biology
System**

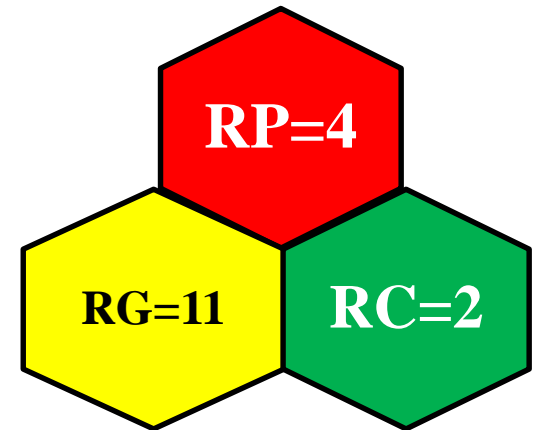
**Microbial
Biotechnology**

**Plant
Biotechnology**

RESEARCH CLUSTER : BIOSYSTEM & BIOTECHNOLOGY (BB)



Prof. Datin Paduka Dr Khatijah Yusoff
Head of Cluster



RP	RG
1. Animal Vaccine and Diagnostic Technology	2
2. Bioengineering and Bioprocessing	2
3. Microbial and Cellular Technology	4
4. Systems Biology and Molecular Systematics	3

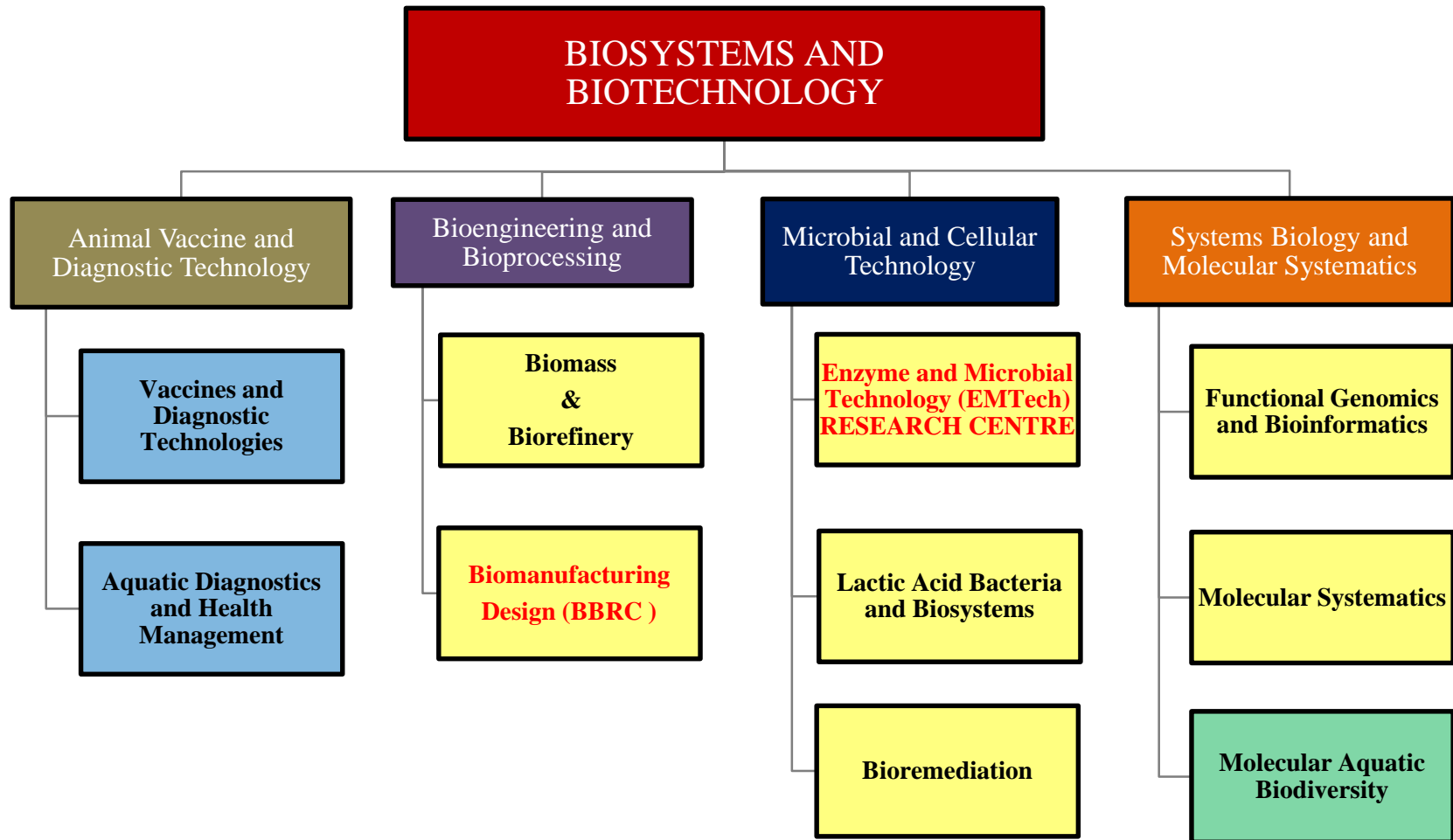
RP = Research Program

RC = Research Centre

RG = Research Group



CLUSTER : BIOSYSTEM & BIOTECHNOLOGY (BB)



“Towards universal human advancement and discovery of knowledge”



ENZYME & MICROBIAL TECHNOLOGY (EmTech)



Prof. Dr. Raja Noor Zaliha Raja Abd. Rahman
Head of Research Center EmTech

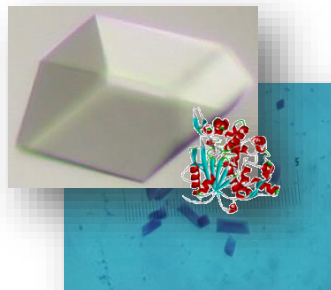
Isolation and
identification of
microorganisms
for enzyme
production

Molecular
approaches to
enhance yield
and obtain novel
properties

Structures and
functions of
enzymes

Enzymatic
synthesis for
high value-
added products

Bioremediation
and
bioconversion



Research Collaborators:

UNIVERSITIES/RI'S

- Nancy Université, France
- University of Minnesota, USA
- Osaka University, Japan
- University of Hyogo, Japan
- Hokkaido University, Japan
- Academia Sinica, Taiwan
- Malaysian Genome Institute (MGI)

PRIVATE SECTORS

- Maruwa Foods & Biosciences, Japan
- Masaru Sato Space Programme, Japanese Space Exploration Agency (JAXA)



BIOPROCESSING AND BIOMANUFACTURING RESEARCH CENTER (BBRC)



Prof. Dr. Arbakariya Ariff
Head of BBRC

- Reactor system and process design
- Development, kinetics, modeling and optimization for production of industrial enzymes and products



Research Collaborators:

UNIVERSITIES/RI

- University of Sheffield, UK
- Air Langga University, Indonesia
- Thailand Institute of Science and Technological Research, Thailand

PRIVATE SECTORS

- Sime Darby Sdn Bhd
- Malaysian Palm Oil Board (MPOB)
- Malaysian AgriHighTech Sdn Bhd
- Stellagen Sdn Bhd



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

BIOMASS AND BIOREFINERY



Prof. Dr. Mohd Ali Hassan
Research Group Leader

Biomass utilization for production of renewable and valuable green bioproducts (bioenergy, biofertilizer, bioplastics) from oil palm waste biomass, kitchen waste, landfill leachate and sago wastes.



Research Collaborators:

UNIVERSITIES/MINISTRIES/RI

- Kyushu Institute of Technology, Japan
- Advanced Institute of Science and Technology (AIST), Japan
- Ministry of Agriculture Forestry and Fisheries (MAFF), Japan
- Malaysian Agricultural Research and Development Institute (MARDI)
- SIRIM

PRIVATE SECTORS

- Ajinomoto Corp., Japan
- Tokyo Electric Power Company (TEPCO), Japan
- CES Company, Incheon Korea
- FELDA Palm Industries Sdn Bhd
- Majlis Perbandaran Subang Jaya (MPSJ)



LACTIC ACID BACTERIA



Prof. Dr. Raha Abdul Rahim
Research Group Leader

Applications of LAB
and their metabolites
for food, health,
livestock and
aquaculture
industries

Enhancing growth
and production of
metabolites -
bioprocess
technology

Plasmid and
bacterial strain
improvement

Recombinant
vaccine
development

LAB culture
collection



Research Collaborators:

UNIVERSITIES/RI:

- UTM, USM, UM, UKM, UiTM
- National Institute of Health, USA
- Thailand Institute of Science and Technological Research
- BOKU, Austria
- NAIST, Japan

PRIVATE SECTORS

- Nutrino Synbio (M) Sdn. Bhd.
- Stellagen Sdn. Bhd.
- Ecocillus Sdn Bhd.
- Cosmos Sdn Bhd.



Signing of MoU between UPM and Johor Plant Tech Sdn. Bhd.



Signing of MoU between UPM, FELDA and KIT



Prof. Robert Slater from University of Hertfordshire, UK

MoU, Collaborations, Visits, Seminars, Conferences, Professional Societies, and Society engagement



Dr. Mohd Yunus Abd. Shukor explaining his Kit for Monitoring Xenobiotics Pollution



Prof. G. R. Tomlinson from Sheffield University



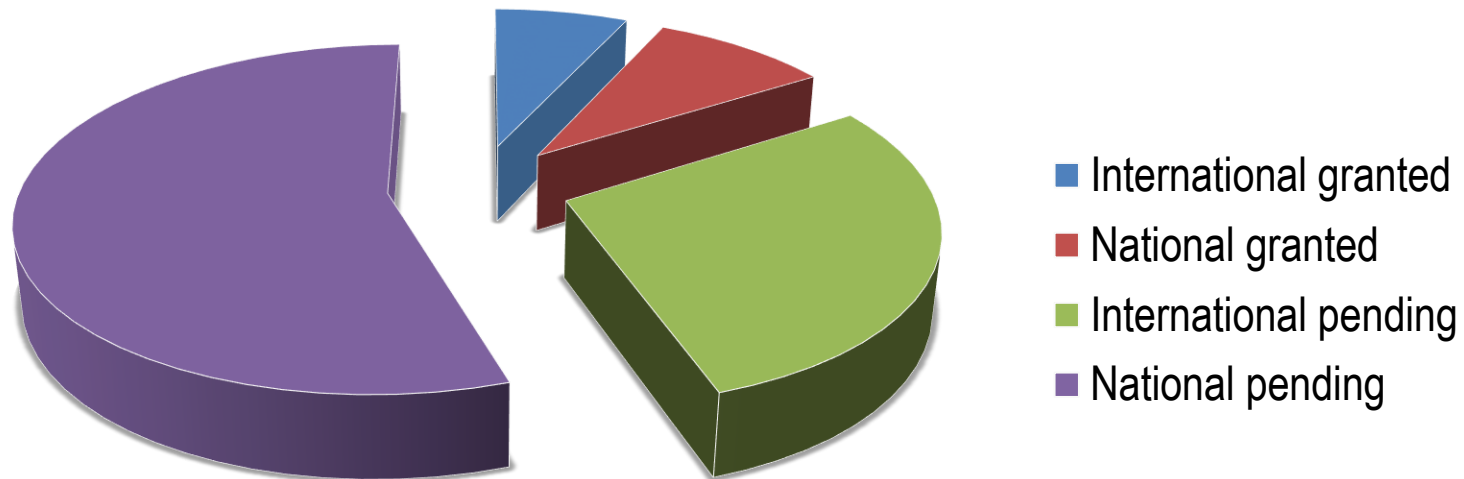
Our protein to space!!! Research under Prof Raja Nor Zaliha



OUR PATENTS



Total of patents 2007-2011



SELECTED PRODUCTS



NipahScan



Planting Materials



Bioplastic (PHA)

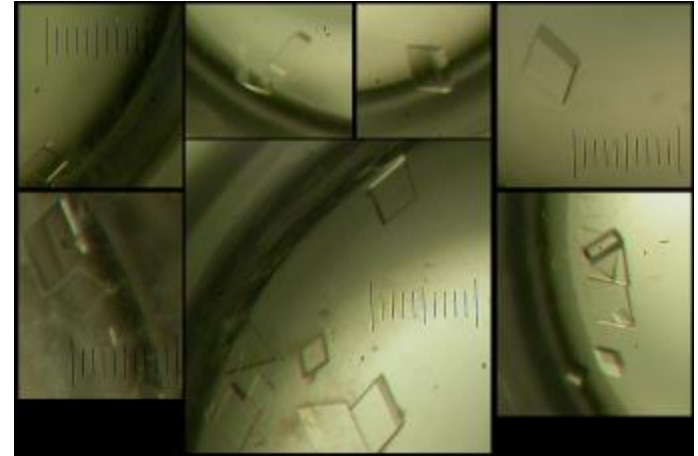


New orchid varieties/fragrant orchids

SELECTED PRODUCTS



Bioenergy, KIT-FELDA-UPM



Space crystals



Bacterial cellulose

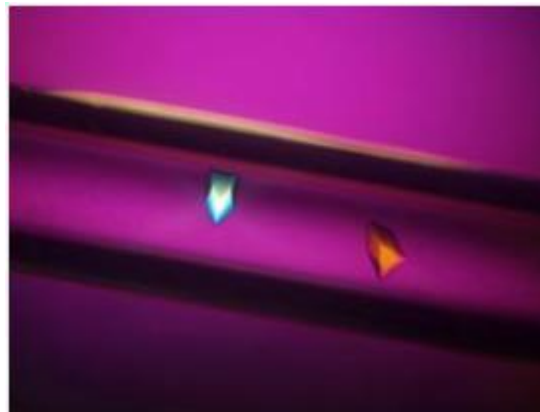


**Enzyme assay of environmental toxicants
(Xenoassay kit)**

SELECTED PRODUCTS



ECPhage for colibacillosis control in poultry. The solution contains bacteriophage that could specifically eliminate the causative agent of colibacillosis. When administered to infected chickens, ECPhage could reduce the mortality rate of chickens by 75%. The body weights of infected chicken were also not significantly different from uninfected chickens.



L2 lipase space crystals in capillary tube

PRODUCTS-NEWSPAPER CLIPS

For the love of orchids



UPM has developed a new orchid tissue culture protocol that can produce up to 100 orchid plants from a single explant. The protocol is based on the use of a new growth medium and a new hormone combination. The protocol is being used to produce orchids for commercial purposes.

Showcase of halal products



UPM has showcased its halal products at the Malaysia International Islamic Fair. The fair is a major event for the Islamic community in Malaysia. UPM has showcased its halal products, including halal food and halal cosmetics.

Kit TriOmic ekstrak DNA, RNA dan protein serentak



UPM has developed a new DNA, RNA and protein extraction kit. The kit is called Kit TriOmic. It is a simple and easy-to-use kit for extracting DNA, RNA and protein from various samples.

Sisa sawit diproses menjadi sumber tenaga elektrik



UPM has developed a new process for converting palm oil waste into electricity. The process is called the ECPhase process. It is a simple and easy-to-use process for converting palm oil waste into electricity.

Keratan Akhbar Berita Harian
4 Julai 2012

Penemuan baru UPM bantu penternak ayam

Produk ECPhase mampu rawat jangkitan E Coli



UPM has developed a new product called ECPhase. ECPhase is a product that can help poultry farmers treat E. coli infections in their flocks. ECPhase is a simple and easy-to-use product for treating E. coli infections.

Lipase T1 tingkatkan kelarutan lemak



UPM has developed a new product called Lipase T1. Lipase T1 is a product that can help increase the solubility of fats. Lipase T1 is a simple and easy-to-use product for increasing the solubility of fats.



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*



EXPERTS AT BIOTECH UPM



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

DEPARTMENT OF BIOCHEMISTRY



HEAD OF DEPARTMENT

Professor Dato' Dr. Abu Bakar Salleh

Ph.D (University of St. Andrews)

Field: Applied Biochemistry and Enzyme Technology



Professor Dr. Mohd. Arif Syed

Ph.D (University of Aberdeen)

Field: Bioremediation and Toxicology



Professor Dr. Maziah Mahmood

Ph.D (Murdoch University)

Dip. Plant. Tissue Culture (C.S.U.)

Field: Plant Biochemistry and Plant Biotechnology



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

DEPARTMENT OF BIOCHEMISTRY



Professor Dr. Norhani Abdullah

Ph.D (Universiti Putra Malaysia)

Field: Animal Nutritional Biochemistry



Associate Professor Dr. Mohd. Yunus Abd. Shukor (*Sabbatical leave*)

Ph.D (Universiti Putra Malaysia)

Field: Bioremediation



Dr. Mohd Shukuri Mohamad Ali (*Sabbatical leave*)

Ph.D (Universiti Putra Malaysia)

Field: Structure Biochemistry



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

DEPARTMENT OF BIOCHEMISTRY



Dr. Syahida Ahmad

Ph.D (Universiti Putra Malaysia)

Field: Natural Product and Animal Cell Biotechnology



Dr. Noor Azmi Shaharudin

Ph.D (University of Nottingham)

Field: Plant Biotechnology



Dr. Uswatun Hasanah Zaidan (*Post Doctoral leave*)

Ph.D (Universiti Putra Malaysia)

Field: Enzyme Technology & Food Biochemistry



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

DEPARTMENT OF BIOCHEMISTRY



Dr. Mohammed Nazrim Marikkar

Ph.D (Universiti Putra Malaysia)

Field: Food Chemistry



Dr. Siti Aqlima Ahmad

Ph.D (Universiti Putra Malaysia)

Field: Bioremediation & Toxicology



Dr. Zetty Norhana Balia Yusof

Ph.D (University of Cambridge)

Field: Plant Sciences



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

DEPARTMENT OF BIOCHEMISTRY



Dr. Amir Syahir Amir Hamzah

Ph.D (Tokyo Institute of Technology)

Field: Biosensor



Dr. Siti Nurbaya Oslan

Ph.D (Universiti Putra Malaysia)

Field: Microbial Biotechnology



Dr. Nur Adeela Yasid

Ph.D (University of Sheffield)

Field: Microbial Metabolomics



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

DEPARTMENT OF BIOPROCESS TECHNOLOGY



HEAD OF DEPARTMENT

Associate Professor Dr. Rosfarizan Mohamad

Ph.D (Universiti Putra Malaysia)

Field: Fermentation Technology



Professor Dr. Mohd. Ali Hassan

Ph.D (Okayama University)

Field: Bioprocess Engineering and Environmental Biotechnology



Professor Dr. Arbakariya Ariff

Ph.D (University of Manchester Institute of Science & Technology)

Field: Fermentation Technology and Bioprocess Engineering



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

DEPARTMENT OF BIOPROCESS TECHNOLOGY



Professor Dr. Suraini Abd. Aziz

Ph.D (University of Wales)

Field: Biochemical Engineering and Enzyme Technology



Professor Dr. Lai Oi Ming

Ph.D (Universiti Putra Malaysia)

Field: Enzyme & Oils Technology and Food Biotechnology



Associate Professor Dr. Foo Hooi Ling

Ph.D (Imperial College London)

Field: Industrial Biotechnology



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

DEPARTMENT OF BIOPROCESS TECHNOLOGY



Associate Professor Dr. Umi Kalsom Md Shah

Ph.D (Universiti Putra Malaysia)

Field: Industrial Microbiology



Associate Professor Dr. Nor 'Aini Abdul Rahman

Ph.D (Kyushu Institute of Technology)

Field: Environmental Biotechnology & Metabolic Engineering



Dr. Phang Lai Yee

Ph.D (Kyushu Institute of Technology)

Field: Environmental Biotechnology



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

DEPARTMENT OF BIOPROCESS TECHNOLOGY



Dr. Helmi Wasoh @ Mohamad Isa

Ph.D (Universiti Putra Malaysia)

Field: Enzyme Technology



Dr. Hidayah Ariffin

Ph.D (Kyushu Institute of Technology)

Field: Environmental Biotechnology & Bioprocess Engineering



Dr. Mohd Rafein Zakaria (*Post Doctoral leave*)

Ph.D (Universiti Putra Malaysia)

Field: Environmental Biotechnology



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

DEPARTMENT OF BIOPROCESS TECHNOLOGY



Dr. Murni Halim

Ph.D (University College London)

Field: Bioprocess Engineering



Dr. Norhayati Ramli

Ph.D ([Universiti Putra Malaysia](#))

Field : Microbial Biotechnology



Dr. Mohd Zulkhairi Mohd Yusoff

Ph.D ([Kyushu Institute of Technology](#))

Field: Environmental Biotechnology



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

DEPARTMENT OF BIOPROCESS TECHNOLOGY



Dr. Mohamad Faizal Ibrahim

Ph.D (Universiti Putra Malaysia)

Field: Bioprocessing and Enzyme Technology



Dr. Mohd Shamzi Mohamed

Ph.D (Universiti Putra Malaysia)

Field: Fermentation Technology and Bioprocess Engineering



Dr. Ahmad Muhaimin Roslan

Ph.D (Kyushu Institute of Technology)

Field: Environmental Engineering



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

DEPARTMENT OF CELL AND MOLECULAR BIOLOGY



HEAD OF DEPARTMENT

Associate Professor Dr. Janna Ong Abdullah

Ph.D (Universiti Putra Malaysia)

Field: Molecular Biology



Professor Dr. Raha Abdul Rahim (*secondment to the Ministry of Education*)

Ph.D (Strathclyde University)

Field: Microbial Genetics & Molecular Biology



Professor Dr. Tan Soon Guan

Ph.D (University of Hawaii)

Field: Genetics



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

DEPARTMENT OF CELL AND MOLECULAR BIOLOGY



Associate Professor Dr. Norihan Mohd Saleh (*secondment
to the Ministry of Science, Technology and Innovation*)

Ph.D (University of Nottingham)

Field: Plant Biotechnology



Associate Professor Dr. Suhaimi Napis

Ph.D (Durham University)

Field: Plant Molecular Biology



Associate Professor Dr. Ho Chai Ling

Ph.D (Chiba University)

Field: Plant Molecular Biology



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

DEPARTMENT OF CELL AND MOLECULAR BIOLOGY



Associate Professor Dr. Noorjahan Banu Mohamed Alitheen
Ph.D (Australian National University)
Field: Immunology and Animal Cell Biotechnology



Associate Professor Dr. Parameswari a/p Namasivayam
Ph.D (University of Cambridge)
Field: Plant Molecular and Developmental Biology



Associate Professor Dr. Mohd. Puad Abdullah
Ph.D (Durham University)
Field: Plant Biochemistry and Plant Molecular Biology



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

DEPARTMENT OF CELL AND MOLECULAR BIOLOGY



Dr. Nurulfiza Mat Isa

Ph.D (Universiti Putra Malaysia)

Field: Bioinformatics and Molecular Biology



Dr. Nik Mohd Afizan Nik Abd Rahman (*Post Doctoral leave*)

Ph.D (Universiti Putra Malaysia)

Field: Cell & Animal Culture Biotechnology



Dr. Normi Mohd Yahaya

Ph.D. (Riken Institute & Universiti Sains Malaysia)

Field: Molecular and Structural Biochemistry



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

DEPARTMENT OF CELL AND MOLECULAR BIOLOGY



Dr. Noor Baity Saidi

Ph.D (University of Edinburgh)

Field: Plant Molecular Pathology



Dr. Mariatulqabtiah Abdul Razak

Ph.D (Imperial College London)

Field: Immunology



Dr. Amalia Mohd Hashim

Ph.D (Australian National University)

Field: Biological Chemistry



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

DEPARTMENT OF CELL AND MOLECULAR BIOLOGY



Dr. Dhilia Udie Lamasudin

Ph.D (University of Glasgow)

Field: Infection and Immunity



Dr. Siti Sarah Othman

Ph.D (University of Glasgow)

Field: Infection and Immunity



Dr. Mas Jaffri Masarudin

Ph.D (La Trobe University)

Field: Nanobiotechnology



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

DEPARTMENT OF CELL AND MOLECULAR BIOLOGY



Dr. Adam Leow Thean Chor

Ph.D (Universiti Putra Malaysia)

Field: Protein Engineering and Molecular Biology



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

DEPARTMENT OF MICROBIOLOGY



HEAD OF DEPARTMENT

Associate Professor Dr. Muhajir Hamid

Ph.D (University of Ulster)

Field: Animal Cell Technology



Professor Datin Paduka Dr. Khatijah Mohd Yusoff

Ph.D (La Trobe University)

Field: Microbial Genetics and Molecular Biology



Professor Dr. Raja Noor Zaliha Raja Abd. Rahman

D.Eng. (Kyoto University)

Field: Microbiology and Molecular Biology



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

DEPARTMENT OF MICROBIOLOGY



Professor Dr. Tan Wen Siang

Ph.D (University of Edinburgh)

Field: Molecular Biology and Virology



Professor Dr. Shuhaimi Mustafa

Ph.D (Universiti Putra Malaysia)

Field: Food Microbiology



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

DEPARTMENT OF MICROBIOLOGY



Associate Professor Dr. Sieo Chin Chin

Ph.D (Universiti Putra Malaysia)

Field: Applied Microbiology



Associate Professor Dr. Norazizah Shafee

Ph.D (University of Malaya)

Field: Molecular Biology and Virology



Dr. Wan Zuhainis Saad

Ph.D (Universiti Putra Malaysia)

Field: Mycology



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

DEPARTMENT OF MICROBIOLOGY



Dr. Asilah Ahmad Tajudin

Ph.D (Lund University)

Field: Nanobiotechnology



Dr. Nurhidayah Roslan

Ph.D (Universiti Putra Malaysia)

Field: Molecular Biology



Dr. Chia Suet Lin (Post Doctoral leave)

Ph.D (Universiti Putra Malaysia)

Field: Medical Biotechnology



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

DEPARTMENT OF MICROBIOLOGY



Dr. Mohd Termizi Yusof

Ph.D (University of Exeter)

Field: Mycology



Dr. Fairolniza Mohd Shariff

Ph.D (Universiti Putra Malaysia)

Field: Structural Biology



Dr. Suriana Sabri

Ph.D (The University of Queensland)

Field: Metabolic Engineering



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

WE ARE ALUMNI OF :

AUSTRALIA



MURDOCH
UNIVERSITY
PERTH, WESTERN AUSTRALIA

ENGLAND



UNIVERSITY OF
CAMBRIDGE

Imperial College
London



The University of
Nottingham

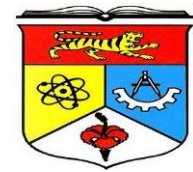


Durham
University



University of London

MALAYSIA



WALES



Swansea University
Prifysgol Abertawe

SWEDEN



LUND
UNIVERSITY

NORTHERN IRELAND



WE ARE ALUMNI OF :

SCOTLAND

JAPAN



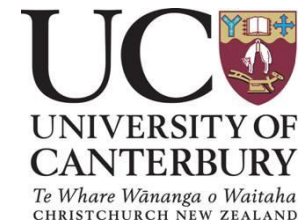
USA



NORTHERN IRELAND



NEW ZEALAND





UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

Universiti Putra Malaysia
Berilmu Berbakti | *With Knowledge We Serve*

Address:

kyusoff@upm.edu.my

Faculty of Biotechnology and Biomolecular Sciences

Universiti Putra Malaysia

43400 UPM Serdang

Selangor

Malaysia

Website: www.biotech.upm.edu.my

