

CURRENT LIST OF TOP RESEARCH SCIENTISTS MALAYSIA



**Prof Dr Abdul Aziz
Abdul Raman**
Universiti Malaya
(UM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Applied Sciences & Technologies	Process Technology and Engineering	• Hazardous Waste Management
		• Mixing technology
Engineering Sciences	Chemical Engineering	• Chemical engineering design
Material Sciences	Advanced Materials	• Nano-materials
Environmental Sciences	Environment Technology/ Industry	• Environmental friendly products and technologies
Information, Computer & Communication Technology	Software	• Computer aided software engineering (CASE) tools



**Prof Dr Abdul Halim
Mohamed Yatim**
Universiti Teknologi
Malaysia (UTM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Engineering Sciences	Electrical and Electronic Engineering	• Machines and drives



**Prof Dr Abdul Kariem
Mohd Arof**
Universiti Malaya
(UM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Material Sciences	Polymeric Materials	<ul style="list-style-type: none">• Polymer electrolytes



**Prof Datuk Dr Abdul
Khalil Shawkataly**
Universiti Sains
Malaysia (USM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Material Sciences	Advanced Materials	<ul style="list-style-type: none">• Composite materials



**Prof Dr Abdul Latif
Ahmad FASc**
Universiti Sains
Malaysia (USM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Engineering Sciences	Chemical Engineering	<ul style="list-style-type: none">• Separation Process



Dato' Dr Abd Latif Mohmod FASc
Forest Research Institute Malaysia (FRIM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Forestry Sciences	Wood & Non Wood Forest Products	<ul style="list-style-type: none"> Bamboo & rattans



Assoc Prof Dr Abdul Manaf Hashim
Universiti Teknologi Malaysia (UTM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Physical Sciences	Condensed Matter Physics	<ul style="list-style-type: none"> Surface and interface and thin films
Engineering Science	Electrical and Electronic Engineering	<ul style="list-style-type: none"> Device fabrication and process simulation
		<ul style="list-style-type: none"> Device physics and simulation
Material Sciences	Electronic Materials	<ul style="list-style-type: none"> Semiconductor materials Optoelectronic materials
	Advanced Materials	<ul style="list-style-type: none"> Nano-materials
	Functional Materials	<ul style="list-style-type: none"> Optical materials
Applied Sciences & Technologies	Nanotechnology	<ul style="list-style-type: none"> Quantum device
		<ul style="list-style-type: none"> Nanotube
		<ul style="list-style-type: none"> Micro electro-mechanical system (MEMS)



Prof Dr Abdul Rahman Mohamed FASc
Universiti Sains Malaysia (USM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Engineering Sciences	Chemical Engineering	<ul style="list-style-type: none"> Catalyst & Reaction Engineering Separation Process
Applied Sciences & Technologies	Nanotechnology	<ul style="list-style-type: none"> Nanotube
Environmental Sciences	Environment Technology/ Industry	<ul style="list-style-type: none"> Gaseous Treatment



Prof Dr Abdul Rahman Omar
Universiti Putra Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Biological Sciences	Microbiology	<ul style="list-style-type: none"> Virology
Biotechnology	Animal Biotechnology	<ul style="list-style-type: none"> Vaccine



Prof Dato' Ir Dr Abdul Wahab Mohammad FASc
Universiti Kebangsaan Malaysia (UKM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Engineering Sciences	Chemical Engineering	<ul style="list-style-type: none"> Separation process
	Environmental Engineering	<ul style="list-style-type: none"> Water & wastewater processes



**Prof Dr Adeeba
Kamarulzaman FASc**
Universiti Malaya
(UM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Medical & Health Sciences	Clinical Medicine	<ul style="list-style-type: none"> • Infectious/communicable diseases



**Prof Dr Ahmad Fauzi
Ismail FASc**
Universiti Teknologi
Malaysia (UTM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Applied Sciences & Technologies	Process Technology & Engineering	<ul style="list-style-type: none"> • Membrane Technology



**Prof Dr Ahmad Zuhairi
Bin Abdullah**
Universiti Sains
Malaysia (USM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Engineering Sciences	Chemical Engineering	<ul style="list-style-type: none"> • Industrial chemical production • Catalyst and reaction engineering • Indigenous raw materials processing
	Environmental Engineering	<ul style="list-style-type: none"> • Water and wastewater processes • Hazardous waste management



**Prof Datin Paduka Dr
Aini Ideris FASc**
Universiti Putra
Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Biotechnology	Animal Biotechnology	<ul style="list-style-type: none"> • Vaccine • Diagnostic
Agricultural Sciences	Animal Sciences	<ul style="list-style-type: none"> • Avian Diseases • Virology



**Prof Dr Asma Ismail
FASc**
Ministry of Education
(MOE)

Area of Expertise:

Main Area	Sub-Area	Specialization
Medical & Health Sciences	Medical Microbiology	<ul style="list-style-type: none"> • Bacteriology



**Assoc Prof Dr
Badlishah Sham
Baharin**
Universiti Putra
Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Applied Sciences & Technologies	Process Technology & Engineering	<ul style="list-style-type: none"> • Supercritical Fluid Technology



Prof Dr Balbir Singh
a/l Mohan Singh FASc
 Universiti Malaysia
 Sarawak (UNIMAS)

Area of Expertise:

Main Area	Sub-Area	Specialization
Medical & Health Sciences	Other Medical & Health Sciences not Elsewhere Classified	<ul style="list-style-type: none"> • Molecular Epidemiology, Emerging Infectious Diseases, Zoonosis
Biotechnology	Medical Biotechnology	<ul style="list-style-type: none"> • Diagnostics



Dr Chantara Theyy Ratnam
 Malaysian Nuclear Agency
 (Nuclear Malaysia)

Area of Expertise:

Main Area	Sub-Area	Specialization
Material Sciences	Polymeric Materials	<ul style="list-style-type: none"> • Elastomers • Polymer composites • Thermoplastic
	Advanced Materials	<ul style="list-style-type: none"> • Polymer compounds • Nano-materials
Applied Sciences & Technologies	Nanotechnology	<ul style="list-style-type: none"> • Nano Composites
	Nuclear Technology	<ul style="list-style-type: none"> • Radiation Processing of Polymers
Chemical Sciences	Radiation Chemistry	<ul style="list-style-type: none"> • Cross linking chemistry • Degradation chemistry • Sterilization chemistry
Engineering Sciences	Chemical Engineering	<ul style="list-style-type: none"> • Polymerisation process
Environmental Sciences	Other Environmental Sciences not Elsewhere Classified	<ul style="list-style-type: none"> • Plastic & Rubber Recycling



Assoc Prof Dr Che Mohd Ruzaidi Ghazali
Universiti Malaysia Perlis (UniMAP)

Area of Expertise:

Main Area	Sub-Area	Specialization
Engineering Sciences	Materials Engineering and Metallurgy	<ul style="list-style-type: none"> Polymers Plastics Composite materials Building and construction materials
Applied Sciences & Technologies	Engineering Materials	<ul style="list-style-type: none"> Polymers Plastics



Prof Dr Cheong Kuan Yew
Universiti Sains Malaysia (USM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Material Sciences	Electronic Materials	<ul style="list-style-type: none"> Semiconductor materials Thin-film dielectrics Electronic packaging materials
Physical Sciences	Condensed Matter Physics	<ul style="list-style-type: none"> Surface and interface and thin films
Engineering Sciences	Materials Engineering & Metallurgy	<ul style="list-style-type: none"> Electronic materials Nano materials



Prof Dr Chong Shu Chien @Alexander
Universiti Sains Malaysia (USM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Agricultural Sciences	Aquaculture	<ul style="list-style-type: none"> Fish nutrition Larviculture & hatchery
Biological Sciences	Physiology	<ul style="list-style-type: none"> Animal physiology-cell
	Genetics	<ul style="list-style-type: none"> Developmental genetics



Prof Dr Darah Ibrahim
Universiti Sains
Malaysia (USM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Biotechnology	Industrial & Environmental Biotechnology	<ul style="list-style-type: none"> • Fermentation technology



Prof Dr Fatimah Md Yusoff FASc
Universiti Putra
Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Biological Sciences	Ecology	<ul style="list-style-type: none"> • Limnology
Agricultural Sciences	Aquaculture	<ul style="list-style-type: none"> • Aquatic environment
Environmental Sciences	Environmental Issues & Assessment	<ul style="list-style-type: none"> • Water pollution
Marine Sciences	Marine Biology	<ul style="list-style-type: none"> • Culture of marine organisms



Prof Emeritus Dr Fun Hoong Kun FASc King
Saud University

Area of Expertise:

Main Area	Sub-Area	Specialization
Physical Sciences	Condensed Matter Physics	<ul style="list-style-type: none"> • X-ray Crystallography & Single Crystal • Structure Determination



Prof Dr Goi Bok Min
Universiti Tunku Abdul Rahman (UTAR)

Area of Expertise:

Main Area	Sub-Area	Specialization
Information, Computer & Communication Technology	Security System	• Cryptography
	Communication	• Coding and information theory



Prof Dr Hairul Azhar Abdul Rashid
Multimedia University (MMU)

Area of Expertise:

Main Area	Sub-Area	Specialization
Engineering Sciences	Communication Engineering	• Optical & photonic systems



Prof Datuk Dr Halimaton Hamdan FASc
University Teknologi Malaysia (UTM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Chemical Sciences	Physical Chemistry (Including Theoretical & Structural)	• Chemistry of catalysis



Prof Dr Hamdani Saidi
FASc
 Universiti Teknologi
 Malaysia (UTM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Engineering Sciences	Chemical Engineering	<ul style="list-style-type: none"> Separation process
	Interdisciplinary Engineering	<ul style="list-style-type: none"> System engineering
	Environmental Engineering	<ul style="list-style-type: none"> Zero emissions
Applied Sciences & Technologies	Energy Technology	<ul style="list-style-type: none"> Fuel cell technology Biomass energy technology



Prof Dr Hamidi Abdul Aziz @ Abdul Rahman
 Universiti Sains
 Malaysia (USM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Environmental Sciences	Environment Technology/ Industry	<ul style="list-style-type: none"> Organic Waste Treatment Water & Wastewater Treatment Technology Pollution Control Products
Engineering Sciences	Environmental Engineering	<ul style="list-style-type: none"> Solid Waste Management Water & Wastewater Processes



Prof Dr Hanafi Ismail
 Universiti Sains
 Malaysia (USM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Applied Sciences & Technologies	Engineering Materials	<ul style="list-style-type: none"> Polymers



Prof Dr Hazizan Bin Md Akil
Universiti Sains Malaysia (USM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Material Sciences	Polymeric Materials	<ul style="list-style-type: none"> Polymer composites



Prof Dr Ibrahim Che Omar FASc
Universiti Malaysia Kelantan (UMK)

Area of Expertise:

Main Area	Sub-Area	Specialization
Biotechnology	Industrial & Environmental Biotechnology	<ul style="list-style-type: none"> Enzyme technology



Prof Dr Ishwar Singh A/L Ranjit Singh
Monash University Malaysia (MUSM)




Area of Expertise:


Main Area	Sub-Area	Specialization
Medical & Health Sciences	Neurosciences	<ul style="list-style-type: none"> Neuroendocrinology



Area of Expertise:

Main Area	Sub-Area	Specialization
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<p>Prof Dato' Dr Jafri Malin Abdullah FASc Universiti Sains Malaysia (USM)</p>	<p>Medical & Health Sciences</p>	<p>Neurosciences</p>	<ul style="list-style-type: none"> • Cell receptors • Cellular nervous system • Central nervous system • Mechanism of tissue damage • Molecular characterization • Neural Stem Cell 						
 <p>Prof Dr Jamunarani A/P S. Vadivelu FASc Universiti Malaya (UM)</p>	<p>Area of Expertise:</p>								
<table border="1"> <thead> <tr> <th data-bbox="555 824 842 869">Main Area</th> <th data-bbox="842 824 1123 869">Sub-Area</th> <th data-bbox="1123 824 1423 869">Specialization</th> </tr> </thead> <tbody> <tr> <td data-bbox="555 869 842 945">Medical & Health Sciences</td> <td data-bbox="842 869 1123 945">Medical Microbiology</td> <td data-bbox="1123 869 1423 945"> <ul style="list-style-type: none"> • Bacteriology </td> </tr> </tbody> </table>				Main Area	Sub-Area	Specialization	Medical & Health Sciences	Medical Microbiology	<ul style="list-style-type: none"> • Bacteriology
Main Area	Sub-Area	Specialization							
Medical & Health Sciences	Medical Microbiology	<ul style="list-style-type: none"> • Bacteriology 							
 <p>Prof Dr Jinap Selamat FASc Universiti Putra Malaysia (UPM)</p>	<p>Area of Expertise:</p>								
<table border="1"> <thead> <tr> <th data-bbox="555 1467 842 1512">Main Area</th> <th data-bbox="842 1467 1123 1512">Sub-Area</th> <th data-bbox="1123 1467 1423 1512">Specialization</th> </tr> </thead> <tbody> <tr> <td data-bbox="555 1512 842 1630">Agricultural Sciences</td> <td data-bbox="842 1512 1123 1630">Food Science and Nutrition</td> <td data-bbox="1123 1512 1423 1630"> <ul style="list-style-type: none"> • Food safety • Ingredients </td> </tr> </tbody> </table>				Main Area	Sub-Area	Specialization	Agricultural Sciences	Food Science and Nutrition	<ul style="list-style-type: none"> • Food safety • Ingredients
Main Area	Sub-Area	Specialization							
Agricultural Sciences	Food Science and Nutrition	<ul style="list-style-type: none"> • Food safety • Ingredients 							
	<p>Area of Expertise:</p>								

<p>Prof Dr K Sudesh Kumar A/L C Kanapathi Pillai Universiti Sains Malaysia (USM)</p>	<table border="1"> <thead> <tr> <th data-bbox="555 138 826 183">Main Area</th> <th data-bbox="826 138 1075 183">Sub-Area</th> <th data-bbox="1075 138 1394 183">Specialization</th> </tr> </thead> <tbody> <tr> <td data-bbox="555 183 826 439">Biological Sciences</td> <td data-bbox="826 183 1075 439">Microbiology</td> <td data-bbox="1075 183 1394 439"> <ul style="list-style-type: none"> Genetics and Polymer Chemistry of Microbial Polyesters (Bioplastics) </td> </tr> </tbody> </table>	Main Area	Sub-Area	Specialization	Biological Sciences	Microbiology	<ul style="list-style-type: none"> Genetics and Polymer Chemistry of Microbial Polyesters (Bioplastics)
Main Area	Sub-Area	Specialization					
Biological Sciences	Microbiology	<ul style="list-style-type: none"> Genetics and Polymer Chemistry of Microbial Polyesters (Bioplastics) 					
 <p>Dr Kamariah Long Malaysia Agricultural Research & Development Institute (MARDI)</p>	<p>Area of Expertise:</p> <table border="1"> <thead> <tr> <th data-bbox="555 817 813 862">Main Area</th> <th data-bbox="813 817 1053 862">Sub-Area</th> <th data-bbox="1053 817 1407 862">Specialization</th> </tr> </thead> <tbody> <tr> <td data-bbox="555 862 813 1155">Biotechnology</td> <td data-bbox="813 862 1053 1155">Food Biotechnology</td> <td data-bbox="1053 862 1407 1155"> <ul style="list-style-type: none"> Enzyme Technology Bioprocessing Fat & Oils Technology </td> </tr> </tbody> </table>	Main Area	Sub-Area	Specialization	Biotechnology	Food Biotechnology	<ul style="list-style-type: none"> Enzyme Technology Bioprocessing Fat & Oils Technology
Main Area	Sub-Area	Specialization					
Biotechnology	Food Biotechnology	<ul style="list-style-type: none"> Enzyme Technology Bioprocessing Fat & Oils Technology 					



Brig. Gen. Datuk Prof. Dr. Kamarudin Hussin
Universiti Malaysia Perlis (UniMAP)

Area of Expertise:

Main Area	Sub-Area	Specialization
Chemical Sciences	Inorganic Chemistry	<ul style="list-style-type: none"> Transition metal chemistry
	Organic Chemistry	<ul style="list-style-type: none"> Physical organic chemistry
Engineering Sciences	Mining and Mineral Processing Engineering	<ul style="list-style-type: none"> Extractive metallurgy
	Materials Engineering and Metallurgy	<ul style="list-style-type: none"> Composite materials Building and construction materials
Material Sciences	Advanced Materials	<ul style="list-style-type: none"> Composite materials



Prof Dato' Dr Kamaruzzaman Sopian FASc
Universiti Kebangsaan Malaysia (UKM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Applied Sciences & Technologies	Energy Technology	<ul style="list-style-type: none"> Solar energy technology



Prof Dr Khalijah Awang
Universiti Malaya

Area of Expertise:

Main Area	Sub-Area	Specialization
Chemical Sciences	Organic Chemistry	<ul style="list-style-type: none"> Natural products chemistry Medicinal chemistry

(UM)



Prof Dr Kwai-Lin Thong
Universiti Malaya
(UM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Biological Sciences	Microbiology	• Bacteriology
Medical & Health Sciences	Medical Microbiology	• Bacteriology
Biotechnology	Molecular Biology	• Genomic



Prof Dr Lai Oi Ming
Universiti Putra
Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Biotechnology	Food Biotechnology	• Enzyme Technology • Bioprocessing • Neutraceuticals



Prof Dr Lee Chow Yang
Universiti Sains
Malaysia (USM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Agricultural Sciences	Pest & Disease Management	• Entomology • Integrated Pest management
Biological Sciences	Zoology	• Entomology



Assoc Prof Dr Lee Keat Teong
Universiti Sains Malaysia (USM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Applied Sciences & Technologies	Energy Technology	<ul style="list-style-type: none"> Biomass Energy Technology
Biotechnology	Industrial & Environmental Biotechnology	<ul style="list-style-type: none"> Biofuel
Engineering Sciences	Chemical Engineering	<ul style="list-style-type: none"> Catalyst & Reaction Engineering



Prof Dr Luqman Chuah Abdullah @ Chuah Teong Guan
Universiti Putra Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Engineering Sciences	Chemical Engineering	<ul style="list-style-type: none"> Separation process Chemical process simulation
	Materials Engineering & Metallurgy	<ul style="list-style-type: none"> Polymers Nano materials Composite materials
	Food Engineering	<ul style="list-style-type: none"> Engineering properties of food & biological materials
	Environmental Engineering	<ul style="list-style-type: none"> Air pollution engineering Water & wastewater processes



Assoc Prof Dr M. Iqbal Saripan
Universiti Putra Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Engineering Sciences	Biomedical Engineering	<ul style="list-style-type: none"> Medical electronics



Prof Dr Mahiran Basri
Universiti Putra
Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Chemical Sciences	Organic Chemistry	<ul style="list-style-type: none"> Oleochemical chemistry



Prof Dr Mariatti Jaafar
@ Mustapha
Universiti Sains
Malaysia (USM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Material Sciences	Polymeric Materials	<ul style="list-style-type: none"> Polymer composites
		<ul style="list-style-type: none"> Thermoplastic
Engineering Sciences	Materials Engineering and Metallurgy	<ul style="list-style-type: none"> Composite materials
		<ul style="list-style-type: none"> Bio-material



**Prof Dr Masjuki bin
Haji Hassan**
Universiti Malaya
(UM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Engineering Sciences	Mechanical Engineering	<ul style="list-style-type: none"> Corrosion science and engineering Combustion and fuel engineering
	Automotive Engineering	<ul style="list-style-type: none"> Automotive fuels
	Materials Engineering and Metallurgy	<ul style="list-style-type: none"> Bio-material
	Mechanical Engineering	<ul style="list-style-type: none"> Air-conditioning and refrigeration



**Dr Meor Yusoff Meor
Sulaiman**
Malaysian Nuclear
Agency (Nuclear
Malaysia)

Area of Expertise:

Main Area	Sub-Area	Specialization
Material Sciences	Advanced Materials	<ul style="list-style-type: none"> Nano-materials
Chemical Sciences	Inorganic Chemistry	<ul style="list-style-type: none"> Uranium, Thorium & Rare Earth
Environmental Sciences	Environment Technology/ Industry	<ul style="list-style-type: none"> Radioactive waste treatment



**Prof Dato' Dr
Mohamed Shariff
Mohamed Din FASc**
Universiti Putra
Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Medical & Health Sciences	Other Medical & Health Sciences not Elsewhere Classified	<ul style="list-style-type: none"> Veterinary Medicine/ Fish Pathology



Prof Dr Mohammad Nazri bin Mohd. Ja'afar
Universiti Teknologi Malaysia (UTM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Engineering Sciences	Mechanical Engineering	<ul style="list-style-type: none"> • Combustion and fuel engineering



Prof Dr Mohd Adzir Mahdi
Universiti Putra Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Engineering Sciences	Communication Engineering	<ul style="list-style-type: none"> • Optical & Photonic Systems
Information, Computer & Communication Technology	Information, Computer & Communication Technology	<ul style="list-style-type: none"> • Optical System
Physical Sciences	Acoustics & Optical Physics	<ul style="list-style-type: none"> • Fibre Optics & Waveguides



Prof Dr Mohd Ali Hassan
Universiti Putra Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Biotechnology	Industrial & Environmental Biotechnology	<ul style="list-style-type: none"> • Biomass technologies



Prof Dr Mohd Basyaruddin Abdul Rahman
Universiti Putra Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Chemical Sciences	Physical Chemistry (including Theoretical & Structural)	<ul style="list-style-type: none"> Chemical of Catalysis
	Organic Chemistry	<ul style="list-style-type: none"> Bio-organic Chemistry
Biotechnology	Industrial & Environmental Biotechnology	<ul style="list-style-type: none"> Enzyme Technology
	Molecular Biology	<ul style="list-style-type: none"> Molecular & Structural Biology
	Bioinformatics	<ul style="list-style-type: none"> Protein Bank



Prof Dr Mohd Hair Bejo
Universiti Putra Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Agricultural Sciences	Veterinary Sciences	<ul style="list-style-type: none"> Pathology Avian Diseases Biologics
Biotechnology	Animal Biotechnology	<ul style="list-style-type: none"> Vaccine Diagnostic



Mohd Mustafa Al Bakri Abdullah
Universiti Malaysia Perlis (UNIMAP)

Area of Expertise:

Main Area	Sub-Area	Specialization
Material Sciences	Advanced Materials	<ul style="list-style-type: none"> Composite materials
	Polymeric Materials	<ul style="list-style-type: none"> Geopolymer
Engineering Sciences	Civil Engineering	<ul style="list-style-type: none"> Structural engineering
	Materials Engineering & Metallurgy	<ul style="list-style-type: none"> Building & construction materials



Prof Dato' Dr Mohd Yusof Haji Othman
Universiti Kebangsaan Malaysia (UKM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Applied Sciences & Technologies	Energy Technology	<ul style="list-style-type: none"> Solar energy technology
Humanities	Philosophy	<ul style="list-style-type: none"> History & philosophy of ideas



Prof Ir Dr Mohd Zainal Abidin Ab Kadir
Universiti Putra Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Engineering Sciences	Electrical and Electronic Engineering	<ul style="list-style-type: none"> Power engineering Electromagnetic Compatibility
Applied Sciences & Technologies	Energy Technology	<ul style="list-style-type: none"> Electrical power generation and supply



Prof Dr Mohd Zobir Hussein
Universiti Putra Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Applied Sciences & Technologies	Nanotechnology	<ul style="list-style-type: none"> Nano Particle Drug Delivery/ Nanomedicine Nanotube
Material Sciences	Functional Materials	<ul style="list-style-type: none"> Catalyst
	Advanced Materials	<ul style="list-style-type: none"> Nano-materials



Prof Dr Mustafa Ali Mohd FASc
Universiti Malaya (UM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Medical & Health Sciences	Other Medical and Health Sciences not Elsewhere Classified	<ul style="list-style-type: none"> Separation Science, analytical and toxicology



Prof Dr Nasrudin Bin Abd Rahim FASc
Universiti Malaya (UM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Engineering Sciences	Electrical and Electronic Engineering	<ul style="list-style-type: none"> Power engineering Machines and drives
	Environmental Engineering	<ul style="list-style-type: none"> Renewable energy



Prof Dr Ng Wing Keong FASc
Universiti Sains Malaysia (USM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Agricultural Sciences	Aquaculture	<ul style="list-style-type: none"> Fish nutrition Husbandry of aquatic organisms Farming system & technology of aquatic Organisms Aquatic environment Diseases of aquatic organisms Fish reproduction
Biological Sciences	Biochemistry	<ul style="list-style-type: none"> Lipids



Prof Dato' Dr Nik Muhamad Nik Ab Majid
Universiti Putra Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Forestry Sciences	Agroforestry	• Rehabilitated Forest
	Forest Management	• Soil & Land Improvement



Prof Dr NorAishah Saidina Amin
Universiti Teknologi Malaysia (UTM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Engineering Sciences	Chemical Engineering	<ul style="list-style-type: none"> • Catalyst & reaction engineering • Biorefinery



Prof Dr Nor Azah Yusof
Universiti Putra Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Chemical Sciences	Analytical Chemistry	• Instrumentation methods
Environmental Sciences	Environment Technology/ Industry	<ul style="list-style-type: none"> • Water & wastewater treatment technology
Applied Sciences & Technologies	Nanotechnology	<ul style="list-style-type: none"> • Medical devices • Nano particle



**Prof Dr Noorsaadah
Binti A. Rahman FASc**
Universiti Malaya
(UM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Chemical Sciences	Organic Chemistry	<ul style="list-style-type: none"> Organic chemical synthesis
	Analytical Chemistry	<ul style="list-style-type: none"> Organic air pollutants
	Molecular chemistry	<ul style="list-style-type: none"> Drug design and modelling



**Prof Dr Paridah Md
Tahir**
Universiti Putra
Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Forestry Sciences	Wood & Non Wood Forest Products	<ul style="list-style-type: none"> Natural fibre, Wood adhesives & bonding, Wood/fibre composites, Surface coating



**Prof Dr Phang Siew
Moi FASc**
Universiti Malaya
(UM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Biotechnology	Marine Biotechnology	<ul style="list-style-type: none"> Algae



Prof Dr Rahinah Ibrahim
Universiti Putra Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Applied Sciences & Technologies	Architecture	<ul style="list-style-type: none"> • Design Management & Professional Practice
	Construction Technology	<ul style="list-style-type: none"> • Building & Construction
Information, Computer & Communication Technology	Emergent Information Technology	<ul style="list-style-type: none"> • Knowledge Base



Prof Dr Rahmah Noordin FASc
Universiti Sains Malaysia (USM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Biotechnology	Medical Biotechnology	<ul style="list-style-type: none"> • Diagnostics



Prof Dr Raja Noor Zaliha Raja Abd. Rahman
Universiti Putra Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Biotechnology	Industrial & Environmental Biotechnology	<ul style="list-style-type: none"> • Enzyme technology
	Molecular Biology	<ul style="list-style-type: none"> • Molecular and structural biology
Biological Sciences	Microbiology	<ul style="list-style-type: none"> • Bacteriology



Prof Ir Dr Ramesh Singh a/l Kuldip Singh
Universiti Malaya (UM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Material Sciences	Advanced Materials	<ul style="list-style-type: none"> • Ceramics • Bio-compatible Materials • Composite Materials
Engineering Sciences	Materials Engineering & Metallurgy	<ul style="list-style-type: none"> • Ceramics • Nano Materials • Failure Analysis • Powder Metallurgy



Prof Dr Ramesh T. Subramaniam
Universiti Malaya (UM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Material Sciences	Advanced Material	<ul style="list-style-type: none"> • Polymer compounds
	Polymeric Materials	<ul style="list-style-type: none"> • Polymer electrolytes



Prof Dr Rauzah Hashim FASc
Universiti Malaya (UM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Material Sciences	Functional Materials	<ul style="list-style-type: none"> Bio-compatible materials Glycolipid
	Advanced Materials	<ul style="list-style-type: none"> Liquid Crystals
Chemical Sciences	Physical Chemistry (Including Theoretical and Structural)	<ul style="list-style-type: none"> Theoretical chemistry
Physical Sciences	Condensed Matter Physics	<ul style="list-style-type: none"> Self-Assemblies And Self-Organised Systems
	Theoretical and Computational Physics	<ul style="list-style-type: none"> Molecular Modeling and Computer Simulation
	Other Physical Sciences not Elsewhere Classified	<ul style="list-style-type: none"> Membrane Biophysics



Prof Dr Rosnah Mohd Zain FASc
Universiti Malaya (UM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Medical & Health Sciences	Dentistry	<ul style="list-style-type: none"> Oral pathology
		<ul style="list-style-type: none"> Oral Medicine
		<ul style="list-style-type: none"> Oral oncology
		<ul style="list-style-type: none"> Oral Disease Tissue Biobanking
		<ul style="list-style-type: none"> Molecular Biology of Oral Neoplasm
		<ul style="list-style-type: none"> Oral Epidemiology & Standardization Criteria of Oral Diseases



Prof Dr Ruzairi Abdul Rahim
Universiti Teknologi Malaysia (UTM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Applied Sciences & Technologies	Other Applied Sciences & Technology not Elsewhere Classified	<ul style="list-style-type: none"> Process Tomography & Sensor Technology



Prof Dr S. Vikineswary Sabaratnam FASc
Universiti Malaya (UM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Biological Sciences	Microbiology	<ul style="list-style-type: none"> Mycology



Prof Dr Shamala Devi A/P Sekaran
Universiti Malaya (UM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Medical & Health Sciences	Immunology	<ul style="list-style-type: none"> Humeral immunology
	Complimentary/ Alternative Medicine	<ul style="list-style-type: none"> Traditional medicine and natural products
	Medical Microbiology	<ul style="list-style-type: none"> Virology Bacteriology
	Nutrition (Clinical and Public Health Research)	<ul style="list-style-type: none"> Nutrition related chronic diseases



**Prof Dr Shamshuddin
Jusop FASc**
Universiti Putra
Malaysia (UPM)

Area of Expertise:

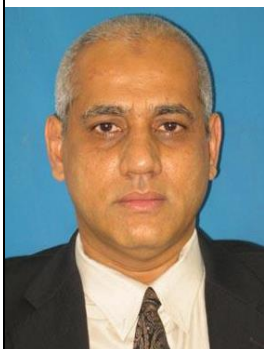
Main Area	Sub-Area	Specialization
Agricultural Sciences	Soil & Water Sciences	<ul style="list-style-type: none"> Soil mineralogy, soil survey & soil classification



**Prof Dr Sharifah Bee
O. A. Abd. Hamid**
Universiti Malaya
(UM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Engineering Sciences	Chemical Engineering	<ul style="list-style-type: none"> Catalyst and reaction engineering
Chemical Sciences	Organic Chemistry	<ul style="list-style-type: none"> Petrochemical chemistry
Material Sciences	Advanced Materials	<ul style="list-style-type: none"> Nano-materials



**Prof Ir Dr Sheikh
Hussain Shaikh Salleh**
Universiti Teknologi
Malaysia (UTM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Engineering Sciences	Biomedical Engineering	<ul style="list-style-type: none"> Medical electronics



Prof Ir Dr Sim Kok Swee
Multimedia Universiti (MMU)

Area of Expertise:

Main Area	Sub-Area	Specialization
Engineering Sciences	Electrical and Electronic Engineering	Digital Image processing, noise quantization, ic circuit design



Prof Dr Syed Alwee Aljunid Syed Junid
Universiti Malaysia Perlis (UniMAP)

Area of Expertise:

Main Area	Sub-Area	Specialization
Engineering Sciences	Communication Engineering	• Optical and photonic systems
		• Broadband network technology
		• Computer communications networks



Prof Dr Tan Chin Ping
Universiti Putra Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Agricultural Sciences	Food Science & Nutrition	<ul style="list-style-type: none"> • Food processing • Food emulsion products • Food chemistry
Applied Sciences & Technologies	Nanotechnology	<ul style="list-style-type: none"> • Food Nanotechnology
Biotechnology	Food Biotechnology	<ul style="list-style-type: none"> • Bioprocessing



Prof Dr Tan Soon Guan FASc
Universiti Putra Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Biological Sciences	Genetics	<ul style="list-style-type: none"> • Molecular Population Genetics



Prof Dr Tan Wen Siang
Universiti Putra Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Biological Sciences	Microbiology	<ul style="list-style-type: none"> • Virology
	Biochemistry	<ul style="list-style-type: none"> • Nucleid Acids • Proteins
Biotechnology	Medical Biotechnology	<ul style="list-style-type: none"> • Diagnostics • Vaccines
	Biopharmacy Biotechnology	<ul style="list-style-type: none"> • Drug Discovery
	Molecular Biology	<ul style="list-style-type: none"> • Molecular & Structural Biology
Medical & Health Sciences	Medical Microbiology	<ul style="list-style-type: none"> • Virology
	Pharmaceutical Industry	<ul style="list-style-type: none"> • Purification Technology



Prof Dr Taufiq Yap Yun Hin FASc
Universiti Putra Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Chemical Sciences	Physical Chemistry (Including Theoretical and Structural)	<ul style="list-style-type: none"> Chemistry of catalysis



Dr Teo Soo Hwang FASc
Cancer Research Initiatives Foundation (CARIF)

Area of Expertise:

Main Area	Sub-Area	Specialization
Medical & Health Sciences	Other Medical and Health Sciences not Elsewhere Classified	<ul style="list-style-type: none"> Genetics
Biotechnology	Medical Biotechnology	<ul style="list-style-type: none"> Human/ population genetics
Biological Sciences	Genetics	<ul style="list-style-type: none"> Molecular genetics



Prof Dr Uda Hashim
Universiti Malaysia Perlis (UniMAP)

Area of Expertise:

Main Area	Sub-Area	Specialization
Engineering Sciences	Electrical and Electronic Engineering	<ul style="list-style-type: none"> Device fabrication and process simulation
Material Sciences	Electronic Materials	<ul style="list-style-type: none"> Semiconductor materials
Applied Sciences & Technologies	Nanotechnology	<ul style="list-style-type: none"> Medical devices



**Prof Dr Wan Ahmad
Tajuddin Wan
Abdullah FASc**
Universiti Malaya
(UM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Physical Sciences	Nuclear and Particle Physics	<ul style="list-style-type: none"> Elementary particle physics
	Theoretical and Computational Physics	<ul style="list-style-type: none"> Complex systems
Information, Computer & Communication Technology	Artificial Intelligence	<ul style="list-style-type: none"> Neural networks, genetic algorithms and fuzzy logic



**Prof Dr Zainal Arifin
Mohd Ishak**
Universiti Sains
Malaysia (USM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Material Sciences	Polymeric Materials	<ul style="list-style-type: none"> Polymer Composites



**Prof Dr Zainuddin Abd
Manan**
Universiti Teknologi
Malaysia (UTM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Engineering Sciences	Chemical Engineering	<ul style="list-style-type: none"> Chemical engineering design



Prof Dr Zainuriah Hassan
Universiti Sains Malaysia (USM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Material Sciences	Advanced Materials	<ul style="list-style-type: none"> • Epitaxy • Nano-materials
	Electronic Materials	<ul style="list-style-type: none"> • Optoelectronic materials • Semiconductor materials
Physical Sciences	Condensed Matter Physics	<ul style="list-style-type: none"> • Electronic, electrical, magnetic & optical properties • Surface & interface & thin films • Surface and interface and thin films
Applied Sciences & Technologies	Nanotechnology	<ul style="list-style-type: none"> • Nano photonic
Engineering Sciences	Electrical & Electronic Engineering	<ul style="list-style-type: none"> • Device physics & simulation



Prof Dr Zulkifli Idrus
Universiti Putra Malaysia (UPM)

Area of Expertise:

Main Area	Sub-Area	Specialization
Agricultural Sciences	Animal Sciences	<ul style="list-style-type: none"> • Other Animal Sciences