



Faculty of Biotechnology and Biomolecular Sciences

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The Faculty of Biotechnology and Biomolecular Sciences (BioTech UPM) was established in 2004 with the merger of two departments, the Department of Biotechnology (from the Faculty of Food Science and Biotechnology) and the Department of Biochemistry and Microbiology (from the Faculty of Science and Environmental Studies). With the formation of BioTech UPM, all activities involving biotechnology in UPM are organised under one administration. Since its formation, the Faculty has four departments - Department of Bioprocess Technology, Department of Cell and Molecular Biology, Department of Biochemistry and Department of Microbiology
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A0404K

Abu Bakar Salleh

Professor

Department of Biochemistry

Faculty of Biotechnology and Biomolecular Sciences

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Year of Appointment: 1979**Working Experience (As Academician):** 33 Years**Administrative Position (If Any):**

- Member, Board of Directors, UPM
- Senate Members, UPM
- Head, Department of Biochemistry

Qualifications

- B. Sc. (Univ. of Western Australia); Ph.D. (Univ. of St. Andrews, Scotland)

Professional Affiliations

- Member, Search Committee (Research Institutes) UPM (present)
- Member, SWA Accreditation (1 Jan 2011- 30 Nov 2013)
- Panel Penilai Agensi Kelayakan Malaysia (MQA) (2006-present)
- Member, Cluster Working Group on Agricultural Biotechnology (Malaysia Biotechnology Corporation)(2006-present)
- SEAMEO BIOTROP Governing Board Member (Chairman-2005) (8/5/06-7/5/09)
- J/K Penilaian Teknikal Program Penyelidikan MGI, Bahagian Bioteknologi Kebangsaan (MOSTI) (10/8/06-present)
- Distinguished Fellow-Malaysian Biotechnology Information Centre (Scientific Advisory Committee) (MABIC) (15/8/06-present)
- Biovalley Task Force (2000-2004)
- First National Biotechnology Committee, National Council for Research and Development, Malaysia (involved in proposing guideline for the development of biotechnology in Malaysia)
- First Biotechnology Committee, UPM (1/1/2003)Member of the National Biotechnology Policy Drafting Committee 2001
- Pasukan khas Penubuhan Pusat Sitasi Negara (25 Jun 09 - 2010)
- National Defence Research Council 2009 – 2010
- JK Polisi Penyelidikan, Pembangunan dan Pengkomersialan Pertahanan dan Keselamatan
- Ahli silih ganti Lembaga Peperiksaan Malaysia 1 Feb 2007 – 31 Jan 2009
- Ahli silih ganti Lembaga Koko Malaysia, 1 Feb 2007 – 31 Jan 2009
- Ahli silih ganti Lembaga Sains MARDI
- Editorial Board Members,
 - o Journal of Science and Technology in the Tropics (JOSTT) (Editor-Agricultural Sciences) (2006-2008)
 - o Asia-Pacific Journal of Molecular Biology and Biotechnology (Associate Editor of the Editorial Board)

- o Pertanika, (Editorial Board member) Archaea (Editorial Review Board) Journal of S&T in the Tropic (Associate Editor of the Editorial Board) 2007-2011
- o Journal of Sustainability Science and Management Advisory Board member (1 Jan 2010 – 31 Dec 2011)
- o Archaea (Editorial Review Board)

Specialisation(s)

- Biochemistry

Expertise

- Biotechnology
- Enzyme Technology
- Microbial Technology



A03252

Adam Leow Thean Chor

Dr.

Department of Cell & Molecular Biology

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Year of Appointment: 2007**Working Experience (As Academician):** 4 Years**Administrative Position (If Any)**

- Head of Academic Advisor

Qualifications

- Ph.D. (UPM)

Professional Affiliations

- Malaysian Society for Microbiology (Life Member)
- Ahli Jawatankuasa Penyediaan Spesifikasi Teknikal Peralatan Makmal ABI
- Ahli Jawatankuasa Jaringan Industri dan Masyarakat, UPM
- Panel Pemantauan dan Penilaian Projek Penyelidikan Sciencefund Kluster Bioteknologi

Specialisation(s)

- Molecular Biology and Genetic Engineering

Expertise

- Protein Crystallization
- Protein Engineering



A04015

Amalia Mohd Hashim

Senior Lecturer

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Year of Appointment: 2012

Working Experience (As Academician): 7 months

Qualification

- Ph.D (Australian National University), B. Eng. (Tokyo Univ. of Agri. And Tech.)

Specialisation(s)

- Molecular Biology and Genetic Engineering

Expertise

- Protein Engineering/Directed evolution



A04036

Amir Syahir Amir Hamzah

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Year of Appointment: 2012

Working Experience (As Academician): 1 year

Qualification

- Phd (Biotechnology), Tokyo Institute of Technology

Professional Affiliations

- The Chemical Society of Japan (CSJ)
- The Japan Society of Applied Physics (JSAP)
- The Japanese Peptide Society (JPS)

Specialisation(s)

- Biochemistry

Expertise

- Label-Free Biosensor
- Surface Chemistry
- Protein Interactions



A1070

Arbakariya Ariff

Professor

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Year of Appointment: 1987

Working Experience (As Academician): 25 years

Administrative Position (If Any)

- Deputy Dean (Academic & Student Affairs)

Qualification

- Bachelor of Food Science and Technology (UPM, Malaysia); M. Phil (Chemical Eng.) (Birmingham, UK); Ph.D. (Bioprocess Eng.) (UMIST, UK)

Professional Affiliations

- Program Coordinator of Nanobiotechnology project, funded by IRPA SR grant (2004-to date)
- Head, Laboratory of Enzyme and Microbial Technology, Institute of Bioscience, UPM (2001-2004)
- Malaysian Project Leader for Research Group working on Green Chemistry of Sago Starch under Japan Society for Promotion of Science (JSPS)-Biotechnology Program (Japan/Malaysia/Thailand/Philippines/Indonesia)(2001-2004)
- Project Leader to setting-up Fermentation Technology Unit at Institute of Bioscience, UPM (1999-2000)
- Committee member of Program of Bachelor (Bioindustri) majoring in Microbial Technology and Bioprocessing (1996-2000)
- Committee member to setting-up Program of Bachelor (Chemical Engineering) at the Faculty of Engineering, Universiti Pertanian Malaysia (1995-1996)
- Malaysian Project Leader for Research Group working on the Development of Manufacturing Bio-process Technology in Tropics under Japan Society for Promotion of Science (JSPS)-Biotechnology Program (Japan/Malaysia/Thailand/Philippines/Indonesia)(1995-1998)

Specialisation(s)

- Bioprocess Engineering
- Fermentation Technology
- Industrial Biotechnology
- Microbial Biotechnology

Expertise

- Bioreactor System
- Bioprocess Design and Scale-up
- Bioseparation and purification (Birmingham, UK); Ph.D. (Bioprocess Eng.) (UMIST, UK)



A03899

Asilah Ahmad Tajuddin

Lecturer

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Year of Appointment: 2012

Working Experience (As Academician): 1 Years

Qualification

- Ph.D. (Lund University, Sweden); B. Sc. (Hons) (Universiti Putra Malaysia)

Specialisation(s)

- Nanobiotechnology, nanoproteomics, lab-on-a-chip technology

Expertise

- Protein/peptide biomarker detection via lab-on-a-chip integrated immunoaffinity approach for fluorescence and MALDI mass spectrometry readout.
- Porous silicon antibody microarray



A04038

Chia Suet Lin

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Year of Appointment: 2012

Working Experience (As Academician): 1 Years

Qualification

- Dip. (USM), B.Sc. (Hons), M.Sc., Ph.D. (UPM)

Professional Affiliations

- Member of American Society for Microbiology (ASM) (2011-to date)
- Member of Genetics Society of Malaysia (PGM) (2012-to date)
- Committee member of the Young Scientist Network-Academy Science of Malaysia Inaugural Colloquium (2012)

Specialisation(s)

- Microbiology
- Molecular biology
- Cancer biology

Expertise

- Molecular Virology
- Cancer Genetics

**A1760****Foo Hooi Ling**

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hlfoo@biotech.upm.edu.my

Year of Appointment: 1995**Working Experience (As Academician):** 17 Years**Qualification**

- B. S. (Hons) (UPM, Malaysia); Grad. Dip. Edu (UM, Malaysia); Ph.D. (Wye College, University of London, United Kingdom and now known as Imperial College, United Kingdom)

Professional Affiliations

- Member of American Society for Microbiology (2001-to date)
- Executive Committee Member of the Malaysian Microbiology Society (2001-2003)
- Research Fellow of Institute of Biological Science, University Putra Malaysia (2002-to date)
- Organising committee for the conference of “Third International Federation of Asia Pacific Microbiology Societies” held at Nikko Hotel Kuala Lumpur (2003)
- Technical evaluation panel of IGS grant of MOSTI for the project of “Development of A Tropicalised Containment Plant-House (Using Precision Engineering) for Evaluating Genetically Modified Plants (GMO)” (2004)
- Honorary Secretary of the Malaysian Society for Microbiology (2004-2006)
- Assistant Secretary for the 27th Symposium of the Malaysian Society for Microbiology (2005)
- Honorary Treasurer for the Malaysian Society for Microbiology (2006-to date)
- Member of American Society for Microbiology (2007-2011)
- Member of American Chemical Society (2007-2011)
- Executive Committee of The Asian Federation of Societies for Lactic Acid Bacteria (2009-to date)
- Honorary Secretary of the organizing committee of “International Symposium of Lactic Acid Bacteria 2010 (2009-2010)
- Financial Committee of the “International Conference of Malaysian Society for Microbiology (2009)
- Committee member of Microbe Culture Collection Unit of Institute of Bioscience, Universiti Putra Malaysia (2009-to date)

7 Research Expertise

- Honorary Treasurer of the organizing committee of “International Congress of the Malaysian Society for Microbiology 2011 (2011-2012)
- Panel of Judges for PECIPTA 2011 organised by the Ministry of Higher Education of Malaysia & Universiti Teknologi MARA (UiTM) (2011)

Specialisation(s)

- Microbiology
- Biochemistry
- Protein and Food Biotechnology
- Industrial Biotechnology

Expertise

- Protein Purification & Characterisation
- Enzyme Technology
- Probiotic
- Postbiotic
- Functional Food/Neutraceutical



A03636

Helmi Wasoh @Mohamad Isa

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Year of Appointment: 2009

Working Experience (As Academician): 2 Years

Qualification

- B.Sc. (Hons) UKM., M.Sc. UKM., Ph.D. UPM.

Specialisation(s)

- Bioprocess Technology

Expertise

- Enzyme Technology
- Food Biotechnology



A03663

Hidayah Ariffin

Senior Lecturer

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Year of Appointment: 2009

Working Experience (As Academician): 3 Years

Qualification

- B. Eng (Process and Food, UPM); MSc (Bioprocess Engineering, UPM), PhD (Environmental Engineering, Kyushu Institute of Technology, Japan)

Professional Affiliations

- American Chemical Society (ACS)
- Asian Federation of Biotechnology (AFOB)
- Waste Management Association of Malaysia (WMAM)
- Institute of Engineers Malaysia (IEM)

Specialisation(s)

- Environmental Biotechnology
- Bioprocess Engineering

Expertise

- Fermentation
- Environmental Biotechnology
- Chemical recycling of biopolymer



A02099

Ho Chai Ling

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Year of Appointment: 2000

Working Experience (As Academician): 12 Years

Qualifications

- Bachelor of Science, UKM; Master of Biotechnology, UM; Ph.D., Chiba University, Japan

Professional Affiliations

- Member of American Society of Plant Biology (ASPB)
- Member of Phycology Society of America (PSA)
- Life member of Malaysian Society of Biotechnology and Molecular Biology (MSMBB)
- Life member of Malaysian Society of Marine Sciences (MSMS)
- Member of the Academician Society of Universiti Putra Malaysia (PPAUPM), Malaysian

Specialisation(s)

- Plant Molecular Biology

Expertise

- Gene expression of oil palm genes in response to Ganoderma infection
- Transcriptomes of red seaweed



A02248

Janna Ong Abdullah @ Ong Weoi-Choo

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Year of Appointment: 2001

Working Experience (As Academician): 11 Years

Qualifications

- . S. (Microbiology); M. S. (Yeast Molecular Biology); Ph.D. (Plant Molecular Biology)

Professional Affiliations

- Member of the Academician Society of Universiti Putra Malaysia (PPAUPM), Malaysian
- Malaysian Society for Microbiology, American Society of Plant Biologists (ASPB)

Specialisation(s)

- Plant Molecular Biology

Expertise

- Plant Genetic Engineering
- Molecular Biology of Fragrance Production in Vandaceous Orchids



A0779

Khatijah Mohd. Yusoff

Professor

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Year of Appointment: 1983

Working Experience (As Academician): 29 years

Administrative Position (If Any):

- Deputy Secretary General (Science), Ministry of Science, Technology and Innovation Malaysia

Qualifications

- B. Sc. (Hons), PhD, DSc (honoris causa) (La Trobe University)

Professional Affiliations

- Fellow, Academy of Science Malaysia
- Fellow Third World Academy of Sciences
- Fellow and Council Member, Islamic Academy of Sciences
- Board of Trustee for International Livestock Research Institute (ILRI)
- SEAMEO BIOTROP Governing Board Member
- Board of Director, Malaysian Institute of Microelectronic System (MIMOS) Sdn. Bhd.
- Board of Director, Malaysian Agricultural Research and Development Institute (MARDI)
- Founding Board of Director, NanoMalaysia Sdn. Bhd.
- Member, Atomic Agency Licensing Board (AELB)
- Board of Director, National Institutes of Biotechnology
- Board of Director, A-Bio Sdn. Bhd
- Member, National Biosafety Board
- Member, American Society for Microbiology
- Member, Society for General Microbiology
- Executive Board Member, Organisation of Women in Science in Developing Countries
- Member, Malaysian Microbiology Society
- Member, Malaysian Society for Biochemistry and Molecular Biology
- Member, Malaysian Society for Molecular Biology and Biotechnology
- Member, Malaysian Applied Biology

Specialisation(s)

- Microbiology

Expertise

- Molecular Virology
- Microbial Genetics



A01776

Lai Oi Ming

Prof.

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Year of Appointment: 1995**Working Experience (As Academician):** 14 years**Qualification**

- Ph.D. (Biotechnology), UPM

Professional Affiliations

- American Oil Chemists' Society (AOCS), MOSTA, Euro Fed Lipid

Specialisation(s)

- Enzyme technology
- Lipid technology

Expertise

- Enzyme technology
- Lipid and food biotechnology



A03888

Mariatulqabtiah Abdul Razak

Lecturer

Department of Cell and Molecular Biology

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Year of Appointment: 2011**Working Experience (As Academician):** 9 years**Qualification**

- PhD in Clinical Medicine Research (Imperial College London), BSc Biotechnology (Universiti Putra Malaysia)

Specialisation(s)

- Immunology
- Molecular Biology

Expertise

- Development and characterization of recombinant virus vaccines



A0142K

Maziah Mahmood

Professor

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Year of Appointment: 1973

Working Experience (As Academician): 31 Years

Administrative Position (If Any)

- Coordinator Department of Biochemistry
- Head of programme Metabolic Engineering and Plant Genetic Resources
- Institute of BioScience Coordinator
- Researcher Thrust Area "The Biochemi

Qualifications

- Dip. (UPM, Malaysia); B. Sc. (LSU, USA); M. Sc. (LSU, USA); Ph. D. (Murdoch University, Australia)

Professional Affiliations

- Member; Scientific Committee;
- Eighth Annual Conference Malaysian Biochemical Society
- Exco Member; Malaysian Biochemical Society
- Secretary; Malaysian Biochemical Society
- Representative for Malaysian Biochemical Society to FAOB (The Federation of Asian and Oceania Biochemists)

Specialisation(s)

- Group: Biotechnology Field: Biochemistry
- Tissue Culture
- Gene Transformation
- Medical Biotechnology

Expertise

- Plant Biochemistry and Biotechnology



A03944

Mohamed Nazrim Marikkar

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Year of Appointment: 2012**Working Experience (As Academician):** 1 years**Qualification**

- B.Sc. (Hons) in Chemistry (University of Colombo Sri Lanka); PhD in Food Biochemistry (UPM)

Professional Affiliations

- Member of the American Oil Chemists' Society (USA);
- Member of the Malaysian Institute of Food Technology;
- Member of the Institute of Chemistry, Ceylon.

Specialisation(s)

- Food Biochemistry

Expertise

- Fats & Oils Technology; Food Analysis & Quality Control



A00619

Mohd Ali Hassan

Professor

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Year of Appointment: 1982**Working Experience (As Academician):** 30 years**Administrative Position (If Any)**

- Dean, Faculty of Biotechnology and Biomolecular Sciences
- Member of University Senate
- Member, University Awards Committee
- Member, Management Committee, BioTech UPM
- Member, UPM Curriculum Committee
- Member, Principal Officers Committee, UPM
- Chief Editor, Pertanika Journal of Science and Technology
- Member, UPM Tender Committee
- Chairman, Dean's Council, UPM

- Chairman, Biotechnology Dean's Council (National Level)
- Member of Board of Directors, UPM R&D Sdn. Bhd.

Qualifications

- Ph.D. (Environmental Biotechnology), University of Okayama, Japan (1997);
- M. Phil (Chemical Engineering), University of Birmingham, U.K. (1990);
- M. Sc. (Food Engineering), University of Leeds, U.K. (1982);
- B.Sc. (Honours) (Chemical Engineering), University of Leeds, U.K. (1980)
- A Levels (Math., Chem., Physics), Oxford College Furhter Edu., U.K. (1977);
- Post-graduate Diploma (Islamic Studies), Universiti Kebangsaan Malaysia (1985)

Professional Affiliations

- Malaysian Society for Microbiology
- Malaysian Scientific Association
- Chemical Engineers Society of Malaysia
- Malaysian Society for Molecular Biology & Biotechnology
- Institution of Chemical Engineers, United Kingdom
- Institute of Engineers Malaysia
- American Chemical Society

Specialisation(s)

- Bioprocess Engineering & Environmental Biotechnology

Expertise

- Bioprocess Engineering & Environmental Biotechnology

A0249K



Mohd Arif Syed

Professor

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Year of Appointment: 2004

Working Experience (As Academician): 36 years

Administrative Position (If Any)

- Head, Department of Biochemistry

Qualifications

- Bachelor of Agricultural Sciences (Honours); Ph.D.

Specialisation(s)

- Enzymology
- Tyoxicology (Bioremediation of xenobiotics)

Expertise

- Enzymology
- Bioremediation of xenobiotics



A02003

Mohd Puad Abdullah

Associate Professor

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Year of Appointment: 1999**Working Experience (As Academician):** 13 years**Administrative Position (If Any)**

- Head, Department of Cell and Molecular Biology (2012 - present)

Qualifications

- B.Sc. (Hons) Universiti Kebangsaan Malaysia, M.Sc. (Universiti Putra Malaysia), Ph.D. (University of Durham, UK)

Specialisation(s)

- Plant Biochemistry and Molecular Biology

Expertise

- Biochemistry and molecular biology of stress-responsive proteins
- Transgenic plant technology



A03908

Mohd Rafein Zakaria

Dr.

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Year of Appointment: 2012**Working Experience (As Academician):** 1 month**Qualification**

- PhD (UPM, Malaysia)

Professional Affiliations

- Member, Malaysian Society for Microbiology
- Member, Asian Federation of Biotechnology

Specialisation(s)

- Environmental Biotechnology

Expertise

- Environmental Biotechnology



A03616

Mohd Shukuri Ali Mohamad Ali

Dr.

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Year of Appointment: 2009**Working Experience (As Academician):** 3 years**Qualification**

- Bac of Science (Hons)-Biochemistry (Universiti Putra Malaysia)
- PhD (Universiti Putra Malaysia)

Professional Affiliations

- Malaysian Society for Microbiology

Specialisation(s)

- Biochemistry

Expertise

- Enzyme technology
- Structural biochemistry



A04037

Mohd Termizi Yusof

Dr.

Department of Microbiology

Faculty of Biotechnology & Biomolecular Sciences

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Year of Appointment: 2012**Working Experience (As Academician):** -**Qualification**

- BSc Biotechnology (Universiti Putra Malaysia), MSc Microbiology (University of Canterbury, NZ), PhD in Biological Sciences (University of Exeter, UK)

Specialisation(s)

- Mycology

Expertise

- Natural products from fungi
- Fungal genetic and molecular biology



A02313

Mohd Yunus Abd Shukor

Dr.

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Year of Appointment: 2002**Working Experience (As Academician):** 10 years**Administrative Position (If Any)**

- Head of Academic Advisor
- Journal of Environmental Biology-Editorial Board

Qualifications

- B. Sc. Biotechnology (Imperial College, London), Ph.D. (UPM)
- Diploma in Translation (Dewan Bahasa dan Pustaka)

Professional Affiliations

- American Chemical Society-member
- Malaysian Antarctic Research Programme-associate member
- Malaysian Environmental Protection society-member
- Malaysian Nature Society-member
- Malaysian Society for Microbiology-member
- Malaysian Society of Biochemistry And Molecular Biology
- Marquis WHO's Who-member
- National Geographic Society-member
- Science Advisory Board-member

Specialisation(s)

- Biochemistry
- Environmental Biochemistry

Expertise

- Biochemistry
- Analytical Biochemistry



A01979

Muhajir Hamid

Assoc. Prof.

Department of Microbiology

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muhajir@biotech.upm.edu.my

Year of Appointment: 1999**Working Experience (As Academician):** 12 years

Administrative Position (If Any)

- Head, Department of Microbiology

Qualification

- B. Sc Biotech. (UPM); M.Sc (UPM); PhD (Biomedical Sciences), Uni. of Ulster, UK.

Professional Affiliations

- Tissue Engineering Society of Malaysia

Specialisation(s)

- Animal cell Biotechnology

Expertise

- Animal cells culture
- Antidiabetic

**A03829****Nik Mohd Afizan Nik Abd. Rahman**

Dr.

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Year of Appointment: 2011**Working Experience (As Academician):** 1 years**Qualification**

- Ph.D. (UPM)

Specialisation(s)

- Cell and Molecular Biology

Expertise

- Virology
- Vaccine Technology

**A03822****Noor Azmi Shaharuddin**

Senior Lecturer

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Year of Appointment: 2011**Working Experience (As Academician):** 1 years

Qualification

- PhD (Plant Molecular Biology), University of Nottingham, UK (2008)

Specialisation(s)

- Plant Biochemistry and Molecular Biology
- Host-pathogen interaction

Expertise

- Gene silencing
- Gene functional study



A03786

Noor Baity Saidi

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Year of Appointment: 2011**Working Experience (As Academician):** 1 years**Qualifications**

- Ph.D. (Plant Molecular Pathology), University of Edinburgh, UK (2011); BSc (Biotechnology), University Putra Malaysia (2006).

Specialisation(s)

- Host-pathogen interaction
- Nitric oxide signalling (S-nitrosylation)

Expertise

- Host-pathogen interaction
- Nitric oxide signalling (S-nitrosylation)



A02393

Noorjahan Banu Mohamed Alitheen

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Year of Appointment: 2002**Working Experience (As Academician):** 10 years

Qualifications

- B. Sc.(Hons) (UM); Ph.D. (The Australian National University, Canberra, Australia)

Specialisation(s)

- Immunology and Animal Cell Biotechnology

Expertise

- Animal Cell Culture
- Developmental Immunology

**A02722****Nor Aini Abdul Rahman**

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Year of Appointment: 2004**Working Experience (As Academician):** 7 years**Qualifications**

- B. Sc. (UPM); M. Sc. (UPM); Ph.D. (Kyushu Institute of Technology, Japan)

Professional Affiliations

- Member, Malaysian Society for Microbiology (2004-present)
- Member, Persatuan Pegawai Akademik UPM (2008-present)
- Internal Auditor, Faculty of Biotechnology & Biomolecular Science (2006-present)
- Associate Researcher, Institute of Biosciences, UPM (2005-present)

Specialisation(s)

- Environmental Biotechnology
- Metabolic Regulation

Expertise

- Environmental Biotechnology
- Metabolic Regulation

**A02630****Norazidah Shafee**

Associate Professor

Department of Microbiology

Faculty of Biotechnology and Biomolecular Sciences

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nshafee@biotech.upm.edu.my

Year of Appointment: 2003**Working Experience (As Academician):** 9 years

Qualification

- B. Sc. (University of Arizona)
- M. Med. Sc. (University of Malaya)
- Ph.D. (University of Malaya)

Specialisation(s)

- Molecular Biology

Expertise

- Molecular Virology
- Cancer Genetics

**A0557K****Norhani Abdullah**

Professor

Biochemistry

Faculty of Biotechnology and Biomolecular Sciences

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Year of Appointment: 1980-2007 as lecture
2007-2012 as Contract professor

Working Experience (As Academician): 32 years

Administrative Position (If Any)

- Head of Animal Production Laboratory, Institute of Tropical Agriculture, UPM (2011-present)
- Head of Microbiology Department (2006-2010), Faculty of Biotechnology and Biomolecular Sciences

Qualification

- PhD

Professional Affiliations

- Panel for Malaysian Quantifications Agency (MQA) (2008-present)
- Life member of the Malaysian Microbiology Society, Malaysian Society of Animal Production, Malaysian Society of Biochemistry and Molecular Biology

Specialisation(s)

- Animal Biochemistry
- Applied Microbiology

Expertise

- Animal nutrition
- Rumen biochemistry



A01246

Norihan Mohd Saleh

Associate Professor

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Faculty of Biotechnology & Biomolecular Sciences

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Year of Appointment: 1991

Working Experience (As Academician): 21 years

Administrative Position (If Any)

- Head of Laboratory, Agro-Biotechnology Institute Malaysia (ABI)

Qualification

- B.Sc., M.Sc. (Winconsin) Ph.D (Nottingham)

Professional Affiliations

- Member, Malaysia Society of Biotechnology
- Member, Malaysian Society for Molecular Biology & Biotechnology
- Member, Malaysia Society for Plant Physiology

Specialisation(s)

- Molecular Biology, Plant Biotechnology

Expertise

- BIOTECHNOLOGY, Plant Biotechnology, Tissue culture.
- AGRICULTURAL SCIENCES, Crop Production, Crop improvement.
- BIOLOGICAL SCIENCES, Genetics, Cell biology.
- AGRICULTURAL SCIENCES, Horticulture, Ornamentals.
- BIOTECHNOLOGY, Molecular Biology, Gene isolation.
- BIOTECHNOLOGY, Biosafety and Bioethics, Risk assessment



A03792

Normi Mohd Yahaya

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Department of Cell & Molecular Biology

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Year of Appointment: 2011

Working Experience (As Academician): 6 years

Administrative Position (If Any)

- Member of the Postgraduate Research and Studies Committee of Faculty of Biotechnology and Biomolecular Sciences – 2011-present.

Qualification

- B. Sc. (USM); Ph.D. (USM) (Doctoral work fully carried out in Institute of Physical and Chemical Sciences, (RIKEN), Japan under RIKEN-USM Asia Joint-Graduate School Program)

Professional Affiliations

- Member of the Global Young Academy (GYA) – 2011-present
- Task Force Member for Academy of Sciences Malaysia's National Science Championship 2012 – 2012
- Member of Malaysian Society for Microbiology – 2012
- Member of American Chemical Society – 2010 – present
- Member of UK Biochemical Society – 2011 – present
- Editorial Board Member of Electronic Journal of Biological Sciences (ejarr) (2009 – present)
- Facilitator for Promotion of Biotechnology Program at Government Schools (Promosi Program Bioteknologi Di Peringkat Sekolah-sekolah kerajaan) for the Ministry of Science, Technology and Innovation (MOSTI) – 2007 – present
- Internal expert group member for Penang Biosatellite Project: "Strategic Roadmap for the Development of Biopharmaceutical Research & Industry in the Northern Region of Peninsular Malaysia" – 2008 – 2010

Specialisation(s)

- Molecular Biology, Protein Engineering, Protein NMR

Expertise

- Protein engineering of polyhydroxyalkanoate synthase for bioplastic production
- Functional and structural elucidation of hypothetical proteins

**A03926****Nurhidayah Roslan**

Dr.

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Year of Appointment: 2012**Working Experience (As Academician):** -**Qualification**

- BSc (Hons) Microbiology (UPM), PhD (UPM)

Specialisation(s)

- Molecular Biology

Expertise

- **Cancer genetics**



A03538

Nurulfiza Mat Isa

Lecturer

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Year of Appointment: 2010

Working Experience (As Academician): 2 years

Qualification

- B.Sc. (Biotechnology), PhD. (UPM)

Specialisation(s)

- Molecular Biology



A02857

Parameswari Namasivayam

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Year of Appointment: 2004

Working Experience (As Academician): 8 years

Qualifications

- B.Appl. Sc. (USM)
- MSc (UPM)
- Ph.D. (Cambridge, UK)

Professional Affiliations

- Member of American Society of Plant physiology
- Member of Malaysian Society of Molecular Biology and Biotechnology
- Academic Advisor for Nilai International University College

Specialisation(s)

- Plant Molecular Biology

Expertise

- Molecular biology of somatic embryogenesis
- Plant developmental biology



A03259

Phang Lai Yee

Senior Lecturer

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Year of Appointment: 2007**Working Experience (As Academician):** 7 years**Qualification**

- BSc. (Biotechnology), UPM
- MSc. (Environmental Biotechnology), UPM
- PhD, Kyushu Institute of Technology, Japan

Professional Affiliations

- Member of Malaysian Society for Microbiology

Specialisation(s)

- Environmental Biotechnology

Expertise

- Bioconversion of wastes into value-added products



A1520

Raha Abdul Rahim

Professor

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Year of Appointment: 1995**Working Experience (As Academician):** 16 years**Administrative Position (If Any)**

- Deputy Dean (Research and Post Graduate Studies)

Qualifications

- B. Sc. (Oklahoma State University, USA); M. Sc. (University of Oklahoma, USA); Ph.D. (University of Strathclyde, UK)

Professional Affiliations

- EXCO member, Asian Federations of Societies for Lactic Acid Bacteria (2009- current)
- Country Representative, Union of Microbiology Societies (2011 – current)
- President, Malaysian Society for Microbiology (MSM) (2003-2005)
- Treasurer, MSM (2001-2003)
- EXCO member, Malaysian Society for Microbiology (2006-current)
- Auditor; Malaysian Society for Molecular Biology and Biotechnology (MSMBB)(2002-2006)
- Member Malaysian Society for Microbiology
- Member Malaysian Society for Molecular Biology and Biotechnology
- Member Malaysia Genetics Society

Specialisation(s)

- Molecular Biology/ Microbial Genetics

Expertise

- Plasmid biology
- Molecular genetics of Lactic acid bacteria for development of recombinant vaccine and cell factory.



A01779

Raja Noor Zaliha Raja Abd. Rahman

Professor

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Year of Appointment: 1998**Working Experience (As Academician):** 13 years**Qualification**

- Doctor of Engineering (Kyoto University, Japan)

Professional Affiliations

- Assessor for Malaysian Qualifications Agency (MQA)
- Guest Editors for Open Special Issues 2012: Hydrolases from Hyperthermophilic Archaea- Archaea Journal
- American Society for Gravitational and Space Biology (ASGSB) Members since 2009
- Asia Pacific Protein Association (APPA)- Council member Members-since 2011
- Members of MINDS
- Honorary member –Yayasan Angkasawan Negera (YAM)
- Malaysian Microbiology Society (ordinary member since 1991, life member since 2001)
- Malaysian Microbiology Society Exco Member 2005-2006

Specialisation(s)

- Microbiology and Molecular Biology

Expertise

- Genetic Engineering
- Protein Crystallization
- Structural Biology

A02230

Rosfarizan Mohamad

Assoc. Prof. Dr.

Department of Bioprocess Technology

Faculty of Biotechnology and Biomolecular Sciences/

Laboratory of Biopolymer and Derivatives

Institute of Tropical Forestry and Forest Products

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<http://www.biotech.upm.edu.my>; <http://www.introp.upm.edu.my>**Year of Appointment:** 2001**Working Experience (As Academician):** 11 years**Administrative Position (If Any):**

- Head of Laboratory
- Deputy Secretary, Malaysian Society for Microbiology (2010-2012)

Qualification

- BSc. (Biotechnology)
- Doctor of Philosophy (Fermentation Technology)

Specialisation(s)

- Fermentation technology
- Bioreactor System
- Bioprocess Technology

Expertise

- Bioreactor System

Professional Affiliations

- Life Member of Malaysian Society for Microbiology



A2512

Shuhaimi Mustafa

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 Halal Products Research Institute
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 Fax: 03 8943 0913/03 89412624
 shuhaimi@biotech.upm.edu.my

Year of Appointment: 2003**Working Experience (As Academician):** 8 years**Administrative Position (If Any)**

- Deputy Director, Halal Products Research Institute

Qualifications

- B. Sc. (UPM, Malaysia); M. Sc. (UPM, Malaysia); Ph.D. (UPM, Malaysia)

Specialisation(s)

- Food Microbiology

Expertise

- Microbial Biotechnology



A02098

Sieo Chin Chin

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Year of Appointment: 2000**Working Experience (As Academician):** 12 years**Qualification**

- B. Sc. Hons (Microbiology) (UPM, Malaysia); M. Sc. (UPM, Malaysia); Ph.D. (UPM, Malaysia)

Professional Affiliations

- Member of Malaysian Society of Microbiology
- Member of Malaysian Society of Animal Production

Specialisation(s)

- Applied Microbiology

Expertise

- Microbial Biotechnology
- Bacteriology



A03960

Siti Aqlima Ahmad

Senior Lecturer

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Year of Appointment: 2012**Working Experience (As Academician):** -**Administrative Position (If Any)**

- Head of Alumni, Department of Biochemistry, Faculty of Biotechnology & Biomolecular Sciences, Universiti Putra Malaysia (2012).

Qualification

- Ph.D. Biochemistry (UPM); M.Sc. Biochemistry (UPM); B. Sc. (Hons.) Biochemistry (UPM)

Professional Affiliations

- Malaysian Society of Biochemistry And Molecular Biology-member
- Malaysian Society for Microbiology-member

Specialisation(s)

- Environmental Biochemistry
- Bioremediation

Expertise

- Enzymology
- Toxicology (Bioremediation of xenobiotics)



A04041

Siti Sarah Othman

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Year of Appointment: 2012**Working Experience (As Academician):** -

Qualification

- B. Sc. (Biotechnology) (UPM, Malaysia); M. Sc. (UPM, Malaysia); Ph.D. (Glasgow, UK)

Specialisation(s)

- Molecular Biology
- Infection and Immunity

Expertise

- Plasmid Biology
- Bacterial Pathogenesis

**A01296****Suhaimi Napis**

Associate Professor

Department of cell Biology & Molecule

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Year of Appointment: 1991**Working Experience (As Academician):** 21 years**Qualification**

- B.Sc., M.Sc. (Iowa State University, USA), Ph.D. (University of Durham, UK)

Specialisation(s)

- Plant Biotechnology

**A01632****Suraini Abdul Aziz**

Professor

Department of Bioprocess Technology

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suraini@biotech.upm.edu.my; suraini@putra.upm.edu.my

Year of Appointment: 1997**Working Experience (As Academician):** 14 years**Administrative Position (If Any)**

- Head, Department of Bioprocess Technology, Faculty of Biotechnology & Biomolecular Sciences, Universiti Putra Malaysia (13 April 2009 – Present)
- Head, Laboratory of Enzyme & Microbial Technology, Institute of Bioscience, Universiti Putra Malaysia ((1 October 2004 – 1 August 2006)
- Head, Laboratory of Systems Ecology, Rainforest Academy, Universiti Putra Malaysia (1 November 2002 – 30 September 2004)

Qualification

- B. Sc. (Hons)(UKM) in Clinical Biochemistry; M.Sc. (Wales) in Biochemical Engineering; Ph.D. (Wales) in Biochemical Engineering

Professional Affiliations

- Executive Board Member, Asian Federation of Biotechnology
- Member of the Academician Society of Universiti Putra Malaysia (PPAUPM), Malaysian
- Member of the Malaysian Society of Microbiology and Member of the Malaysian Scientific Association (MSA)
- Journal Reviewer (Starch, Applied Biochemistry and Biotechnology, World Journal of Microbiology & Biotechnology, Biochemical Engineering Journal, Biotechnology Journal, African Journal of Biochemistry, Journal of Bioscience, Journal of Technology, Malaysian Journal of Microbiology, Jurnal Kejuruteraan, Borneo Science Journal)
- Expert Panel (e-Science Proposal Evaluation for MOSTI, e-Science Progress Report Evaluation for MOSTI, Techno-fund Evaluation - Industrial Biotechnology Section for MOSTI, National Science Fund Proposal Evaluation for MOSTI and Science Fund Application for MOA).
- External Examiner for M. Sc. and Ph.D. (UTM, USM, UKM, UM, UIA, UMS, UNIMAS)

Specialisation(s)

- Biochemical Engineering
- Enzyme Technology

Expertise

- Industrial Biotechnology
- Environmental Biotechnology
- Food Biotechnology

**A03123****Syahida Ahmad**

Dr.

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syahida@biotech.upm.edu.my

Year of Appointment: 2006**Working Experience (As Academician):** 5 Years**Administrative Position (If Any)**

- Head of Academic Advisor, Department of Biochemistry, Faculty of Biotechnology & Biomolecular Sciences, Universiti Putra Malaysia (2012-2014).

Professional Affiliations

- EXCO member of Malaysian Society for Biochemistry and Molecular Biology (MSBMB), 2007-2011.
- Member of Inflammation Research Association (IRA), 2008-present
- Member of GA Society for Medicinal Plant & Natural Product Research (2011-2012).

Qualifications

- B. Sc. Biomedical Sciences (UPM); Ph.D. in Drug Discovery (UPM)

Specialisation(s)

- Biochemistry
- Molecular and Cellular Biochemistry
- Biochemistry of Natural Products
- Immunology

Expertise

- Animal Cell Culture
- Inflammation
- Drug Discovery
- Drug Mechanism Studies



A0269K

Tan Soon Guan

Professor

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sgtan@biotech.upm.edu.my, sgtan_98@yahoo.com

Year of Appointment: 1976**Working Experience (As Academician):** 36 years**Qualifications**

- Ph.D. (Hawaii, USA); B. Sc. (Hons. Malaya); Cert of population Studies (Hawaii)

Professional Affiliations

- Genetics Society of Malaysia
- Malaysian Society of Biochemistry and Molecular Biology
- Malaysian Fisheries Society
- Malaysian Nature Society

Specialisation(s)

- Genetics

Expertise

- Molecular Population Genetics of Southeast Asia's human, flora, fauna and microbe species and populations.
- Molecular Polymorphisms
- Molecular Ecology
- Biodiversity genetic characterization

For full curriculum vitae (CV), please visit : <http://scholar.google.com.my/citations?user=rn4P4T8AAAAJ>
 Researcher ID: B-2448-2010; Google Scholar: Soon Guan Tan



A01697 Tan Wen Siang

Professor
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Fax:03-89430913

Year of Appointment: 1998

Working Experience (As Academician): 15 Years

Qualification

- PhD (University of Edinburgh); MSc (UPM); BSc (Hons) (UPM)

Professional Affiliations

- Adjunct Professor Selection Committee, UPM
- External Review Panel for BSc (Biotechnology), Monash University
- Course Advisory Panel for BSc and BSc (Hons), Monash University
- External Examiner for BSc (Hons) Medical Biotechnology Programme, International Medical University
- Panel for MOSTI Sciencefund Grant
- UPM Audit Team Leader for QMS ISO 9001: 2000 (2007-2011)
- Member of the Editorial Board of Pertanika Journal of Tropical Agricultural Science (2006-present)
- Member of the Editorial Board of BioTech Communications (2007-2009)
- Chief Editor of Research@BioTech (2010-present)
- European Federation of Biotechnology (EFB)-Member
- General Council of the University of Edinburgh- Member
- Malaysian Society for Biochemistry and Molecular Biology (MSBMB)- Member
- Malaysian Society for Microbiology (MSM)- Life Member
- Malaysian Society for Molecular Biology and Biotechnology (MSMBB)- Member

Specialisation(s)

- Hepatitis B virus
- Nipah virus
- Newcastle disease virus
- Bacteriophages
- Protein Engineering
- Phage display
- Virus-like particles

Expertise

- Molecular Biology
- Microbiology
- Biochemistry
- Virology



A03474

Umi Kalsom Md Shah

Associate Professor

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Year of Appointment: 2009

Working Experience (As Academician): 3 years

Qualification

- B.Sc(hons) (UKM); M.Sc (Univ. of Kent at Canterbury, UK); Ph.D (UPM)

Professional Affiliations

- Malaysian Society of Microbiology, Life member
- Malaysian Society of Plant Physiology, Treasurer (2003-2007)
- Malaysian Society of Soil Science, ordinary member
- International Society for Southeast Asian Agricultural Sciences, ordinary member
- Associate Researcher, Institute of Tropical Forestry and Forest Product

Specialisation(s)

- Industrial Microbiology
- Environmental Biotechnology

Expertise

- Bioprocess Technology



A03748

Uswatun Hasanah Zaidan

Dr.

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uswatun@biotech.upm.edu.my

Year of Appointment: April 2012

Working Experience (As Academician): ~2 months

Administrative Position (If Any)

- Committee member of Industrial Network and Community, Faculty of Biotechnology & Biomolecular Sciences (18 April 2012–till date)

Qualification

- B. Sc. Biochemistry (UPM, Malaysia); M. Sc. & Ph.D. in Biocatalysis (UPM, Malaysia)

Specialisation(s)

- Biochemistry
- Biocatalysis

Expertise

- Industrial Biotechnology
- Enzyme Technology



A03060

Wan Zuhainis Saad

Senior Lecturer

Department of Microbiology

Faculty of Biotechnology & Biomolecular Sciences

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zuhainis@biotech.upm.edu.my

Year of Appointment: 2008**Working Experience (As Academician):** 5 years**Qualification**

- B. Sc. (Microbiology and Biochemistry), UPM. PhD (UPM)

Professional Affiliations

- Malaysian Society for Microbiology
- Malaysian Society of Animal Production
- American Society for Microbiology

Specialisation(s)

- Microbiology
- Applied Microbiology
- Mycology

Expertise

- Biotechnology
- Digestive microbiology



A03524

Yours Abdulhadi Noaman

Senior Lecturer

Cell and Molecular Biology

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E-mail: yoursr@biotech.upm.edu.my

Year of Appointment: May 2012

Working Experience (As Academician): 4 years

Qualification

- B. Sc. Medical Laboratory (Sana'a Uni, Yemen); M. Sc. & Ph.D. in Molecular Biology and Genetic Engineering (UPM, Malaysia)

Specialisation(s)

- Molecular Biology
- Microbial Genetics

Expertise

- Microbial Biotechnology