

CURRICULUM VITAE

PROF. DR. ABDUL RAHMAN OMAR

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Department/Unit: Department of Veterinary
Pathology & Microbiology, Faculty of Veterinary
Medicine, Universiti Putra Malaysia (UPM).

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Academic Qualifications:

DVM (UPM), PhD (Cornell University, New York, USA).

Publications:

Link Scopus: 7202864053, H index: 34, Citation 4294

Link Google Scholar:

<https://scholar.google.com.tw/citations?hl=en&user=YFn624UAAAAJ>

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Field(s) of Specialization:

Main Specialization:

- Immunology.

Sub Specialization:

- Vaccine & Therapeutics.
- Immunobiology.
- Virology.
- Molecular Biotechnology.

Research Areas/Topics:

- Development of vaccines and diagnostics against poultry viruses.
- Immunogenomics of poultry viruses.
- Bio-surveillance of novel RNA viruses in different avian species.

Number of Publications:

Publication	Quantity
Journal	261
Book	4

Number of Students Supervised:

Program	Status	As a chairman	As a member
PhD	Graduated	19	68
	Ongoing	1	3
Masters (MSc & MVSc) (With thesis)	Graduated	25	70
	Ongoing	2	3
Masters (MVM) (Without thesis)	Graduated	-	-
	Ongoing	-	-



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Main Lead Committee and Previous Management Positions:

- a) Principal Investigator, Laboratory of Vaccine & Biomolecules, Institute of Bioscience, UPM (2006 to date).
- b) Fellow, Academy Science Malaysia (2019 to date).
- c) Chairman, Malaysia One Health University Network (MyOHUN) (2019 to date).
- d) Chairman, Institutional Biosafety & Biosecurity Committee (IBBC), UPM (2015 to date).
- e) President, World Poultry Association Malaysia (2006 - 2020).
- f) Regional Advisor, Global Alliance for Research on Avian Diseases (2015 to date).
- g) Vice President, Asian Association of Veterinary Schools (2019 to date).
- h) Member, Malaysian Veterinary Council (2019 to date).
- i) Head Laboratory, Laboratory of Molecular and Cell Biology, Institute of Bioscience, UPM (Oct 2004 - Feb 2006).
- j) Deputy Director, Institute of Bioscience, UPM (March 2006 - May 2011).
- k) Director, Institute of Bioscience, UPM (June 2011, Nov 2019).

Products/Commercialization/Community @ Industry Projects: Translational Research:

- a) Reverse genetic NDV vaccine, Malaysian Vaccine Pharmaceutical Sdn. Bhd.
- b) Molecular epidemiology of Newcastle Disease, Infectious Bronchitis, and Salmonellosis in Malaysia, Animal and Plant Quarantine Agency, South Korea.
- c) Low pathogenic AIV, H9N2 diagnostics, and vaccines for commercial poultry in Malaysia.
- d) Emergence of novel astroviruses in commercial breeder flocks in Malaysia.

Patent and Copyrights Obtained as Leader or Co-Researcher:

- a) Assay for Detection and Quantification of Newcastle Disease Virus (NDV) by Real-Time PCR. Country Filing: Malaysia.
- b) Circular Antiviral RNA. Country Filing: Malaysia.
- c) Circular Antiviral RNA. Country Filing: PCT.
- d) Detection and Distinguishing Infectious Bursal Disease Virus (IBDV) Strains by Molecular Biology Method. Country Filing: United States of America.
- e) Detection and Distinguishing Infectious Bursal Disease Virus (IBDV) Strains by Molecular Biology Method. Country Filing: European Patent Office.
- f) Detection and Distinguishing Infectious Bursal Disease Virus (IBDV) Strains by Molecular Biology Method. Country Filing: Malaysia.
- g) Detection of Avian Influenza Virus. Country Filing: Malaysia.
- h) Extracts from Microalgae for Use in Cancer Treatment. Country Filing: Malaysia.
- i) Method for detecting and distinguishing infectious bursal disease virus (IBDV) strains by fluorescence-based real-time RT-PCR. Country Filing: European Patent Office.
- j) Molecular Differentiation of Infectious Bursal Disease Virus (IBDV) Strains. Country Filing: PCT.
- k) Molecular Differentiation of Infectious Bursal Disease Virus (IBDV) Strains. Country Filing: Malaysia.
- l) Real Check - Rapid Economical and Leader in Animal Diagnostics. Country Filing: Malaysia.