

WELGUME New Postgraduate Students

Best wishes

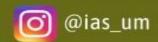


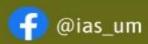
INSTITUT PENGAJIAN TERMAJU Institute for Advanced Studies





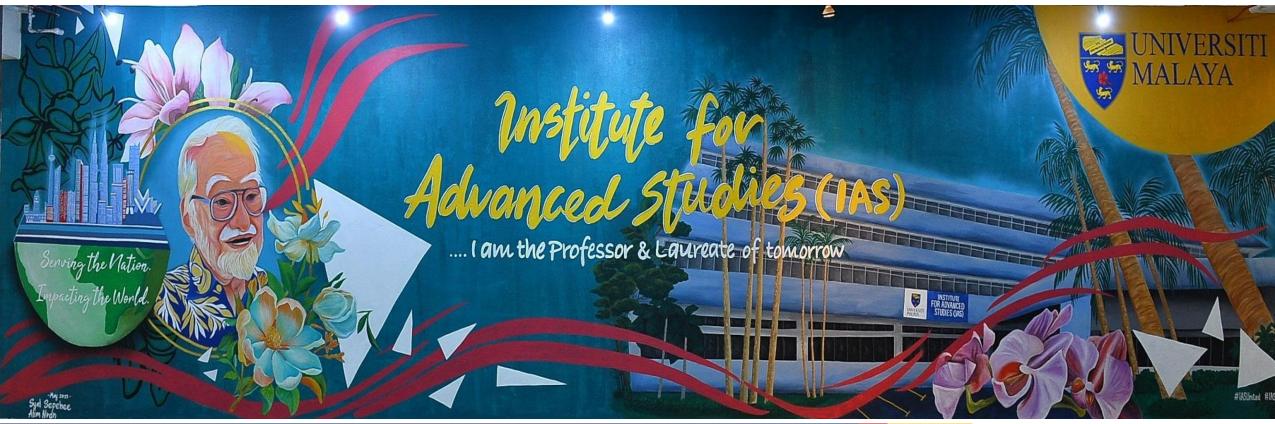






Introduction

Institute for Advanced Studies



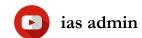
Serving the Nation. Impacting the World.



INSTITUT PENGAJIAN TERMAJU Institute for Advanced Studies







UM History



King Edward VII College of Medicine, Singapore Raffles College Singapore Raffles College was merged with King Edward VII College of Medicine to become the University of Malaya. University of Singapore (now known as National University of Singapore)

Universiti Malaya, Kuala Lumpur



The King Edward VII College of Medicine was founded in 1905 to train the first Malaysian (Malayan) doctors. The College later became known as the University of Malaya in Singapore.

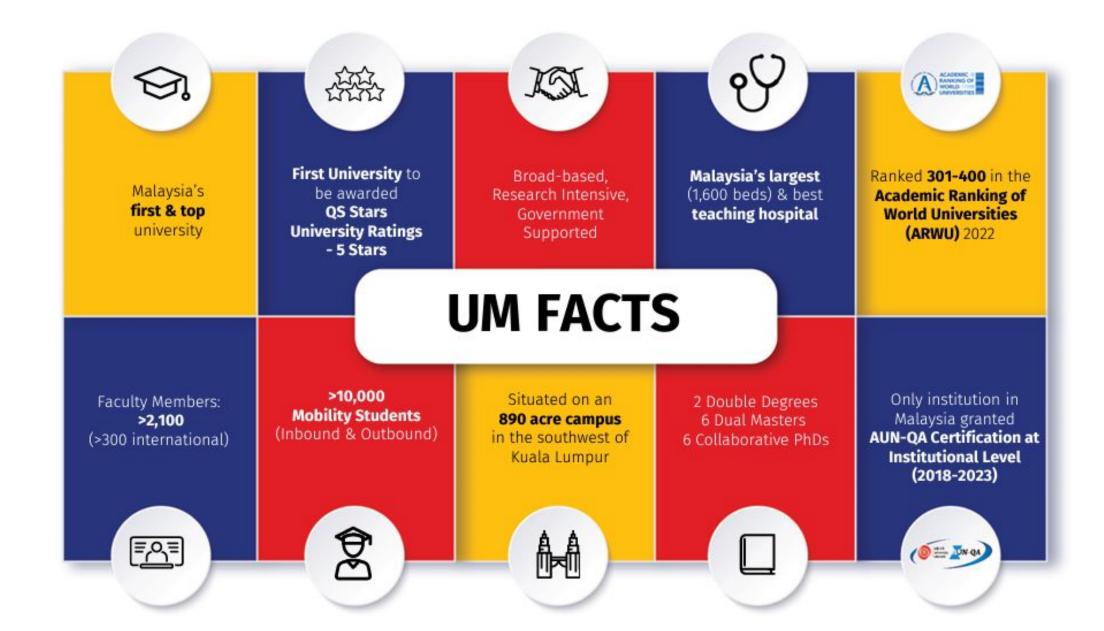


The Universiti Malaya, Kuala Lumpur campus was established in 1959.
The University Hospital was opened in 1968.

UM Profile

(as of Sep 2022)





The Flag Bearer of Malaysia

(as of Sep 2022)









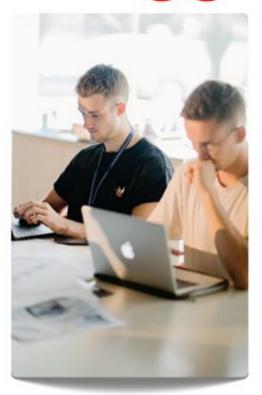
















UM Broad Based Research-Intensive University

14 Faculties

- Arts & Social Sciences
- 2. Built Environment
- Business & Economics
- Computer Science & Information Technology
- 5. Creative Arts
- 6. Dentistry
- 7. Education
- 8. Engineering
- 9. Law
- Languages & Linguistics
- 11. Medicine
- 12. Pharmacy
- 13. Science
- 14. Sports & Exercise Science

2Academies

- 1. Islamic Studies
- 2. Malay Studies
- Centre for
 Foundation Studies
 in Science

Centres

Centre for Continuing Education 2 Institutes

- Institute for Advanced Studies
- Asia-Europe Institute

Research Clusters

- Social Advancement
 & Happiness
- Health & Well-Being
- Frontiers of The Natural World
- Innovative Industry & Sustainability Science

77 Undergraduate Programmes

~150
Master's
Programmes

6 Doctoral Programmes

2 Double Degree Programmes

> 6 Dual Master Programmes

Collaborative PhD
Programmes

JNIVERSITI MALAYA

Dual Master Programmes

Faculty Institute for Advanced Faculty of of Science Studies **Engineering** Master Master Master of of Science of Renewable Energy **Engineering Science** Kyoto Osaka **Amirkabir University** University University of Technology Master's Degree in Master of Engineering Master of **Energy Science** Science (Research) Science

Collaborative PhD Programmes (Joint/ Dual/ Split-Site)



Collaborative PhD Programmes (Joint/ Dual/ Split-Site)

Faculty of Science

Collaborating University	Research Field	Current Research
Osaka University, Japan	Any Field	Science

Faculty of Medicine

Collaborating University	Research Field	Current Research
National Cheng Kung University, Taiwan	Any Field	Medical Microbiology

Faculty of Built Environment

Collaborating University	Research Field
Universitas Syiah Kuala, Indonesia	Architecture and Building

Faculty of Law

Collaborating University	Research Field
Universitas Syiah Kuala, Indonesia	Civil Law

Faculty of Engineering

Collaborating University	Research Field	
Liverpool John Moores University, UK	Engineering	
Universitas Syiah Kuala, Indonesia		
University of New South Wales, Australia	Biomedical Engineering	

Institute for Advanced Studies

Collaborating University	Research Field
Swinburne University of Technology, Australia	Power Energy

0.5

UNIVERSITI MALAYA

IAS in Brief I The Evolution (1979-2022)

1979

Institut Pengajian Tinggi Institute of Advanced Studies

Note: IAS was established by the Royal Prof. Ungku Aziz 3rd UM Vice-Chancellor (1968 to 1988)

1997

Institut Pengajian Siswazah & Penyelidikan Institute of Graduate Studies & Research

2000

Institut Pengajian Siswazah & Penyelidikan Institute of Graduate Studies & Research

Institut Pengurusan Penyelidikan & Perundingan Institute of Research Management & Consultancy

2008

Institut Pengajian Siswazah Institute of Graduate Studies

2018 to date

Institut Pengajian Termaju Institute for Advanced Studies









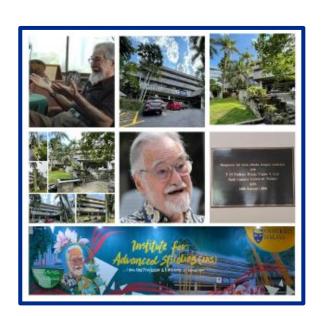






Our Purpose

Institute for Advanced Studies (IAS) is the central platform for multidisciplinary academic and research programmes at Universiti Malaya.



It promotes research aligned with the university's strategic guiding themes, supporting multidisciplinary research ideas. The Institute provides opportunity to anyone to pursue stackable credentials to complete an interdisciplinary Masters degree programme.

The Institute is especially dedicated to the advancement of early career researchers (the Professors and Laureate of tomorrow) and the creation of opportunities, networking and collaborations. The Institute attracts national emeriti and international visiting scholars to UM and integrates them into the University's academic community.

IAS Main Functions



01

To develop, offer and manage academic programs that are multidisciplinary / interdisciplinary in collaboration with other Academic PTj and Higher Institution Centre of Excellence (HICoE) and UM Center of Excellence (UMCoE)

02

To develop and manage new academic programs for staff empowerment and research capacity development programs which lead to certification especially for the Early Career Researchers.

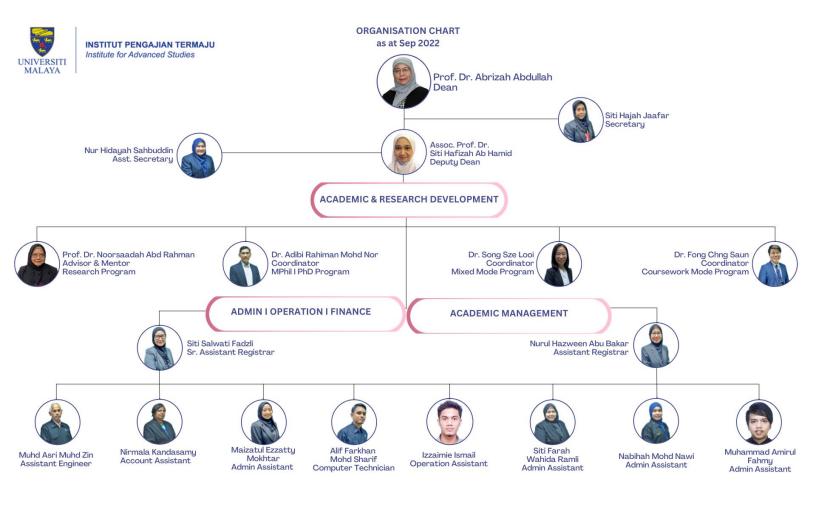
03

Coordinator for academic programs in Degree Stacking and General Studies (based on Management's decision 21 Sep 2021).

04

To forge international collaboration through multidisciplinary / interdisciplinary collaborative programs, especially through dual PhD programs.

IAS Organisation Chart



IAS Board Members 2022-2023

MALAYA

11 members comprising of

Dean, IAS/Chairperson (1)

Senate Representatives (8)

Professor, IAS (1)

Deputy Dean, IAS (1)

IAS Academic Advisory Committee 2022-2023

41 members comprising of

Dean, IAS/Chairperson (1)

Senate Representatives (8)

Deputy Dean, IAS (1)

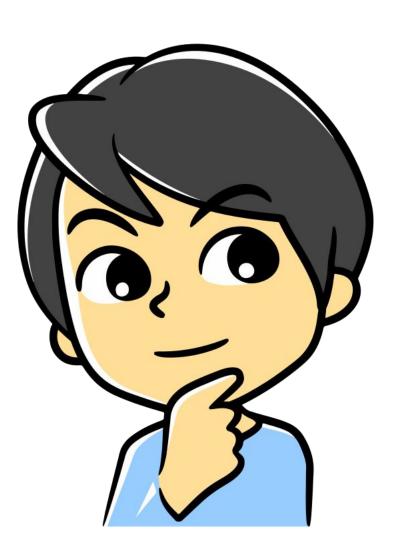
HiCoE & UMCoE Representatives (6)

Academic PTjs Representatives (17)

Professor, IAS (1)

Program Coordinators (6)

Honorary Professors (2)



"Pursuing a PhD at IAS is a decision to pursue a PhD with impact and to become an inspiring researcher committed to improving life."



Opportunities

03

Definition of Multidisciplinary in IAS Academic/Research Programmes

[Presented in IAS Academic Advisory Committee No. 03/2022_20 April 2022]

01

Multidisciplinary (cross-disciplinary) research is required when a field of study, a topic or a problem of research crosses the borders of disciplines (and faculties), as traditionally subjects indicate independent bodies of knowledge.

It is also a research approach in which the tools of different sciences (i.e. systematic organization of knowledge) and disciplines are utilised to explain the issue under study, as a means to bridge gaps in problem-solving that result

from disciplinary specialisation.

The interdisciplinary/
multidisciplinary areas
drawn from IAS research
programmes are as follows:

- Biodiversity and conservation
- Biosafety and biosecurity
- Nanoscience and nanotechnology
- Natural resource management
- Ocean and earth sciences
- Photonics sciences
- □ Renewable and sustainable energy
- ☐ Arts & Humanities
- Social Sciences
- □ Sciences
- ☐ Interdisciplinary

02

MALAYA

Our Partners [Master I MPhil I PhD]



Academic PTjs



Institute for Advanced Studies



Higher Institution Centre of Excellence (HICoE)

- UM Power Energy Dedicated Advanced Centre (UMPEDAC)
- Photonic Research Centre (PRC)
- Institute of Ocean and Earth Sciences (IOES)
- Tropical Infectious Diseases Research & Education Centre (TIDREC)

UM Center of Excellence (UMCoE)

- Nanotechnology & Catalysis Research Centre (NANOCAT)
- Centre for Research in Biotechnology for Agriculture (CEBAR)



Swinburne University of Technology (Dual PhD Programme)



Kyoto University (Dual Master Programme)



UNIVER MALA

ACADEMIA - INDUSTRY COLLABORATION







PROGRAM: MASTER OF PHILOSOPHY

DURATION: MIN 2 SEM I MAX 3 SEM

INTAKE: SEM 1 2022/2023 NO OF CANDIDATES: 35

NO. OF UM SUPERVISORS: 16

RESEARCH AREAS:

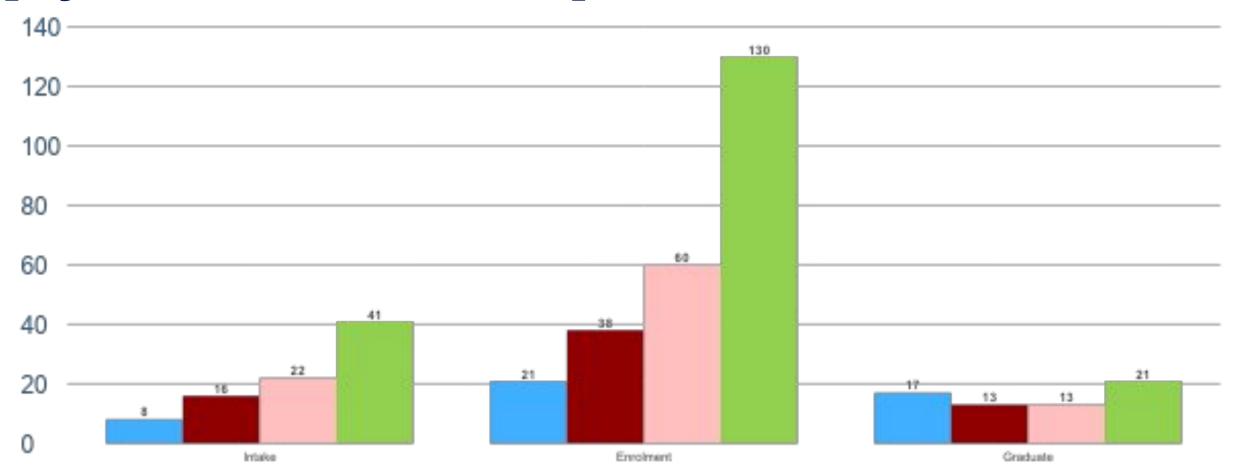
Process Engineering I Product Engineering I Project Management I Quality Assurance I

Software Engineering I Technology I

Test Engineering



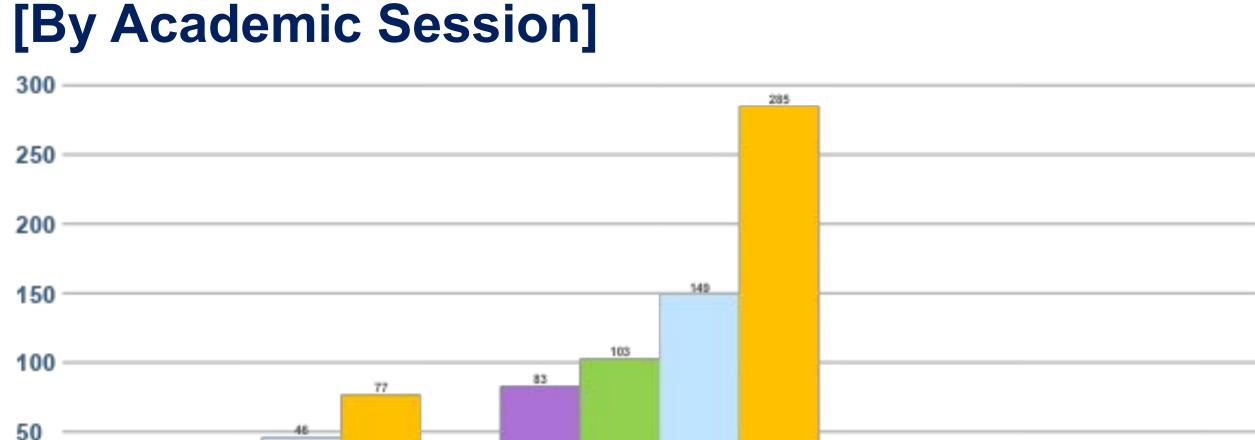
MPhil Academic Performance (2018-2021) [By Academic Session]





28

Intake



Enrolment

23

Graduate

INSTITUT PENGAJIAN TERMAJU Institute for Advanced Studies

YOU ARE A STAR IN THE MAKING!



YOU DID A VERY GREAT JOB!

Keep Reaching for the Stars!!

Best Wishes I IAS Management & Staff 8 October 2022



INSTITUT PENGAJIAN TERMAJU

Institute for Advanced Studies

BRAVO! WHAT AN OUTSTANDING ACHIEVEMENT!



IAS Graduands MPHIL & MASTER

Class of 2022

GRADUATION ISN'T THE END OF A TOUGH

It is the beginning of a beautiful one.

Best Wishes I IAS Management & Staff



MALAYA

Current Academic Program (576 active students)



Full Research Program
Master of Philosophy (178) (130 + 48 New students) Doctor of Philosophy (325) (285 + 40 New students)



Coursework Program

Master of Renewable Energy (73)

(55 + 18 New)**Students**)





New Academic Program



Mixed Mode

Master of Applied Sciences (Nanotechnology) [Intake 2022/2023]





Coursework

Master of Agricultural Biosecurity [Intake 2023/2024]



Universiti Malaya Centre of Excellence (UMCoE)

Potential Academic Program (in progress)



Coursework

Master of Advanced Studies [Intake 2023/2024]

1

A non-consecutive programme tailored for "specific groups of working professionals with well-defined needs for advanced degree work" or postgraduate degree.

Notes:

- 1. Main Target Group: UM Internal Staff
- Possible articulation route/credit transfer via: HTD Program Pemerksaan Staf (Upskilling) MOOC/MC/Certifications, etc
- 3. Potential for open market

2

Advanced studies programme tend to be interdisciplinary and focused toward meeting the needs of professionals rather than academics.

3

Enable to deepen and extend professional skills or set the stage for a new direction in respective professions.

JNIVERSITI MALAYA

Potential Academic Program (in progress)

02

CourseworkMaster of Planetary Health



Coursework

Master of One Health (Tropical Infectious Diseases)



Higher Institution
Centre of Excellence (HICoE)



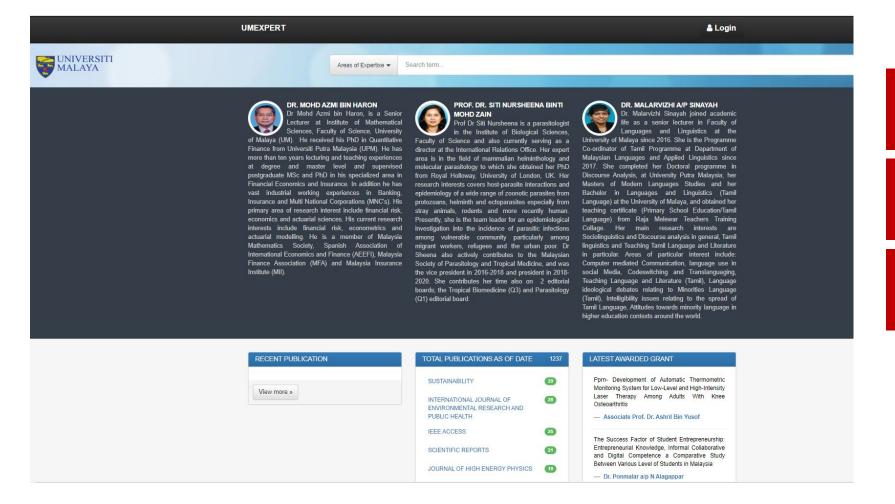






INSTITUT PE Institute for A

Find our Experts via https://umexpert.um.edu.my/





1 Name

2 Faculty

3 Area of Expertise

Mentor Professor Program Mentoring the Mentor Program

To match UM young researchers (the Professors of tomorrow) with the mentor professors based on shared academic and research interests, career goals, create opportunities get to know about the latter's experience as scholars and professors.

INIVERSITI MALAYA

UM Journal Club @ IAS



UM JOURNAL CLUB @ IAS

BENEFITS

- platform for the UM PG students to interact with one another
- strengthening of interprofessional and collegial relationship
- · development of research network and research identity
- strengthening of research, writing and publishing skills



Date of Establishment I 25 May 2022

(Approved by the Vice-Chancellor, UM)

Official Launch by

Prof. Ir. Dr. Shaliza Ibrahim

Deputy Vice-Chancellor (Research & Innovation) in conjunction with Let's Celebrate Our Graduates I

Meet & Greet Our Team on 1 Jun 2022





UM JOURNAL CLUB @ IAS Quick Facts (UMJC Memberships)

Call out for UMJC Members 18 July 2022 - 5 August 2022

Total Registered Members (14.9.2022) 296

Composition

Malaysian (182) Non-Malaysian (114)

Study Level PhD (284) Master (112) [Mode MR (52) MM (20) CW (40)]

Breakdown by Faculty

Faculty of Education (40)

Institute for Advanced Studies (31)

Faculty of Science (25)

Faculty of Business & Economics (24)

Faculty of Arts & Social Sciences (21)

Faculty of Medicine (19)

Faculty of Computer Science & IT (15)

Faculty of Languages & Linguistics (15)

Faculty of Dentistry (14)

Faculty of Engineering (13)

Faculty of Built Environment (11)

Faculty of Law (9)

Academy of Islamic Studies (8)

Academy of Malay Studies (5)

Faculty of Creative Arts (3)

Centre for Sport & Exercise Science (1)

Faculty of Pharmacy (1)

SCAN ME

UNIVERSITI MALAYA

Among our actitivities....









PARTICIPANTS!



Struggles formulate your hypothesis
 Everything else you needed to know about a PhD

Speaker: Prof. Kevin Burgess

Professor Kevin Burgess is a Rachal Chair in Chemistry from Texas A & M University. He has taught chemistry for more than 35 years, published 340 research papers and about 11 patents.



18 August 2022 I Thursday 9.30am - 1.00pm



IAS Auditorium **Advanced Studies Complex** Universiti Malaya



Scan QR Code to Register! Hurry Up!! Sign up before 12 August 2022 (Friday). Seats are limited. Priority will be given to UM Journal Club Members.

Enquiry: umjournalclub@um.edu.my





NIVERSITI MALAYA

Things for you to consider....

Do you need your own study space?



- Open to all UM active students
- Admin fees @ RM20/semester
- Min. rental fees @ RM70/semester
- 80 cubicles are available to use starting Sem. 1, 2022/2023 (first come first serve basis)
- Connected to UM WiFi
- Conducive study environment
- Fully managed by the Institute for Advanced Studies (IAS)

Interested?



Check out for more details... bit.ly/thesishubIAS

Call 03-79674518 (Alif) 03-79674440 (Muhd Asri) Email space_ias@um.edu.my

https://ias.um.edu.my/thesis-hub-cubicle



Among our actitivities....

UNIVERSITI M A L A Y A





In line with the government's direction for a National

- raise awareness about the power of and critical need for
- inspire our community to create, restore, steward and conserve health ecosystems for a thriving human
- complex Planetary Health challenges of our world today.

Many of our best efforts today remained siloed, fragmented, or rivalrous, however this initiative will take all of us to

We envisage that Planetary Health education will contribute to the positive outcomes for the biosphere, overcoming the

Students as well as the public community to join us and

Scan for more details....

#PlanetaryHealth#UMPH#ias um#UMPHChallenge

o @ias_um 🌓 @ias_um 🌐 ias.um.edu.my



A member of Co-organise UNIVERSITI M A L A Y A





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in collaboration with









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Updated Version: Oct 2022

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