Fostering Research Integrity in Malaysia

A Young Scientists Initiative

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Outline

• Our philosophy
• Our vision and mission
• Our opportunities and challenges
Top Down Approach

- U.S NAS
- Academy of Sciences Malaysia
- Ministry of Education

Bottom Up Approach

- Young Scientists Network-Academy of Sciences Malaysia
Young Scientists Network-Academy of Sciences Malaysia (YSN)

• Principal Investigators, PhD-holders
• ≤40 years old
• >150 members & affiliates

Our Ethos:

build progressive nation
volunteerism
friendship
Our Vision - Malaysian RCR Programme

- RCR education at all levels of tertiary education
- RCR becomes a common language of our research ecosystem
- Motto: Integrity Matters!
Our Mission - Malaysian RCR Programme

Provide **educational content**
Conduct **workshops**
Train **instructors**
Conduct **research**

**Quality research**
**researchers**
**research process**
Malaysian Educational Module on RCR

Chapters

- Ethical Values and Responsibilities of Researchers
- Research Misconduct
- Culture of Safety and Dual Use Research
- Conflict of Interest
- Authorship and Publications
- Peer Review
- Research Data Management
- Financial Responsibilities
- Mentor-Mentee
- Collaborative Research

Authored, edited, reviewed by Young Scientists
Reference book + instruction guide
Contextualised!
Supported by ASM, Ministry of Education

https://issuu.com/asmpub/docs/rcr_module_readonly
Conduct Workshops

Active Learning-pedagogy
Ethical reflexivity
Young Scientists for Young Scientists
Safe environment
Camaraderie
ASEAN RCR Programme

ASEAN RCR Workshop
Funders and supporters:
- International Council for Science - ROAP
- ASEAN Young Scientists Network
- Ministry of Education
- Global Young Academy
Capacity building
11th-14th December, 2019
Kuala Lumpur

Integrity Matters!
Conduct Research

Knowledge and attitude
Effectiveness of the workshop
National-level survey
We want to collaborate!
What about the senior professors? Where are they?
The Malaysian Code of Responsible Conduct in Research (MCRCR)

Led by senior professors
Endorsed by the government
*Educationalised* by Young Scientists
Mandatory course...*soon*
Strength

• Small-ish country
• Easier to make connections
• Good support
• Young scientists

Limitations

• Small-ish country
• Resources
• More support is needed
• Need collaborators
Call to Actions

Young Scientists
• Be bold; dare to be visible
• Find the right partners
• Walk before running

Senior Scientists
• Mentorship
• Empowerment
• Build bridges
Terima Kasih, Thank You, 謝謝！

- Young Scientists Network-Academy of Sciences Malaysia
- Academy of Sciences Malaysia
- Ministry of Education, Malaysia
- U.S National Academy of Sciences
- Prof. Abhi Veerakumarasivam
- Dr. Chai Lay Ching
- Assoc. Prof. Thahira Begum

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