

# IIUM & RESEARCH INNOVATION DAY 2024

**LEADING THE RESEARCH, PUBLICATION AND  
INNOVATION CULTURE: SOARING HIGH IN  
RESEARCH EXCELLENCE**

**TUESDAY | 2ND JULY 2024 | 25 ZULHIJAH 1445 H**

**GRAND HALL, OFFICE OF CAMPUS DIRECTOR,  
INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA, KUANTAN**

**FOR FURTHER INFORMATION:**

**[HTTPS://CONFERENCE.IIUM.EDU.MY/IRID/](https://conference.iium.edu.my/irid/)**



**SCAN ME**

**ORGANISER:  
RESEARCH MANAGEMENT CENTRE, IIUM**

The IIUM Research and Innovation Day (IRID) 2024 is a prominent exhibition dedicated to health and sciences research, organized to showcase innovative research findings and foster research collaboration among scholars from the International Islamic University Malaysia (IIUM) and across Malaysia. This year's theme, **“LEADING THE RESEARCH, PUBLICATION AND INNOVATION CULTURE: SOARING HIGH IN RESEARCH EXCELLENCE,”** emphasizes the significance of publishing research outcomes to spread knowledge for humanity's benefit. The event is a joint effort with the Technology Transfer Office of the Research Management Centre, highlighting the potential for research projects to be selected for commercialization.

It offers a platform for interactive poster presentations, discussions, and the exhibition of creative innovations. The program aims to provide constructive feedback, facilitate the sharing of ideas, and encourage networking among researchers. **All submitted abstracts will be published in selected IIUM journals (MYCITE – indexed)** with awards for the best research and innovation in both student and staff categories. Participants are also encouraged to publish full articles in various IIUM journals. This initiative seeks to benefit attendees greatly, promoting experience sharing and the development of lasting relationships within the research community.

The objectives of the IRID 2024 are as follows:

- To identify the prominent researchers in Malaysia mainly IIUM Kuantan.
- To inculcate research culture among academic staff and students (postgraduate and undergraduate).
- To showcase the research findings and products of academic staff and students.
- To encourage inter Kulliyah/ Universities/ Institutions collaboration in research and innovation.
- To identify the best research outputs and products to represent IIUM at national and international competition.

The topics are

1. Basic Health Sciences
2. Applied Health Sciences
3. Medical & Health Sciences
4. Nursing & Midwifery
5. Pharmacy
6. Dentistry
7. Engineering
8. Biological Sciences
9. Art & Social Sciences





**IIUM Research and Innovation Day (IRID) 2024**  
**2<sup>nd</sup> July 2024 (Tuesday)**  
**Grand Hall, Office of the Campus Director**  
**International Islamic University Malaysia (Kuantan Campus)**

**Program Schedule**

Time	Event
8.30 am	Registration of participants
8.45 am	Arrival of VIP and Guests
9.00 am	Negaraku, Pahang Song, IIUM Song
9.05 am	Recitation of Dua
9.10 am	Opening remarks <b>Prof. Dr. Nazri Mohd. Yusof</b> Chairman IIUM Research and Innovation Day 2024
9.15 am	Officiating Speech & Officiating Ceremony Gimmick <b>YB Dato' Mohamad Nizar Bin Dato' Sri Mohamad Najib, DSAP</b> Pahang State Executive Councillor (EXCO) Investment, Industrial Development, Science, Technology and Innovation
9.25 am	Token of appreciation for external guest
9.35 am	Video Presentation Group photo
9.40am	VIP visit the poster exhibitions and showcase
10.00 am	Refreshments for VIPs and Invited guests
10.30 am	Commercialization Talk 1 <b>Prof. Dr. Mohd Shahir Shamsir Omar</b> (Universiti Teknologi Malaysia, UTM) Title: "From Discovery to Disruption: Transforming Research into Start-up Success"
11.15 am	Poster evaluations
1.15 pm	Lunch break
2.00 pm	Poster evaluations continues
3.00 pm	Commercialization Talk 2 <b>Madam Mariatini Othman</b> (Senior Vice President, Technology Advisory Services, MTDC) Title: "Unlocking Opportunities: The Dynamics of Commercialization Ecosystems"
3.00 pm	Scientific Research Meeting
4.00 pm	Announcement of Winners for best participants
4.15 pm	Prize giving ceremony and closing remarks <b>Prof. Dr. Nazri Mohd. Yusof</b> Chairman IIUM Research and Innovation Day 2024
5.00 pm	End of program and adjourn

**Concurrent Events (10.00 am – 4.00 pm) @ Grand Hall, IIUM Kuantan**

**One Stop Research Clinics by IIUM Gombak**

1. Grant Initiative Unit (GIU)
2. Grant Management Unit (GMU)
3. Research Excellent Unit (REU)
4. Technology Transfer Office (TTO)
5. Copyright and MyRA Publication (Dar Al-Hikmah Library)

*As of 24/6/2024*

## Family Caregiving Burden: Spiritual Well-Being and Resilience in Caring For Older People With Functional Deficits Among Felda Settlers In Kuantan, Pahang

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**PURPOSE:** This study aimed to identify the connection between caregiver sociodemographic characteristics, health status, caregiving demands, spiritual well-being, resilience, and caregiving burden in caring for older people with functional deficits in Felda Territory of Kuantan, Pahang.

**METHODS:** A cross-sectional study with cluster random sampling was conducted to select caregivers of older adults with functional deficits in Felda Territory, Kuantan, Pahang. Felda, a naturally occurring group, was randomly chosen from three populations representing the area. Self-administered questionnaires covering sociodemographic information, caregiving demands, JAREL Spiritual Well-being Scale, Connor-Davidson Resilience Scale (CD-RISC), and Zarit Burden Interview (ZBI) were distributed to residents via the Felda office. Data were analyzed using descriptive statistics and the Pearson Chi Square test in SPSS version 26.

**RESULTS:** The majority of participants were female caregivers, who experienced a higher caregiving burden than male caregivers. No significant associations were found between caregiver sociodemographics, caregiving demand, and caregiving burden. Caregiver spiritual well-being was not linked to caregiving burden, but caregiver resilience was significantly associated with a lower caregiving burden. Specifically, 4% of caregivers with low spiritual well-being and 1.6% with high resilience reported severe caregiving burden.

**CONCLUSION:** The findings suggest the need for further intervention in addressing the caregiving burden among caregivers in Malaysia.

**Keywords:** caregiving burden, caregiver spiritual well-being, caregiver resilience, older people with functional deficits

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