## IIRG 2019-2021



# University of Malaya Impact Oriented Interdisciplinary Research Programme Grant (IIRG) 2019-2021

SAIFUL ANUAR KARSANI

Dean, Frontiers of the Natural World
24th January 2019

Auditorium, Level 1, Research Management & Innovation Complex, UM

# Specific criteria for IIRG

No. of Sub- Programmes	≥ 3			
Maximum Ceiling (Per programme)	Science Non-Science	: RM 300,000/program for 2 years : RM 150,000/program for 2 years		
<b>Duration (Months)</b>		24		



# strengthen niche & nurture thrust areas

encourage interdisciplinary research

drive impact oriented research

# Definition - Interdisciplinary

a mode of research by teams or individuals that integrates information, data, techniques, tools, perspectives, concepts and/or theories from two or more disciplines or bodies of specialized knowledge to advance fundamental understanding or to solve problems whose solutions are beyond the scope of a single discipline or area of research practice.\*

FOR IIRG: researchers must come from at 2 different disciplines and 2 different faculties



#### APPLICATION FORM

## UNIVERSITY OF MALAYA INTERDISCIPLINARY RESEARCH PROGRAMME 2019-2020

PROGRAMME LEADER		
PROGRAMME TITLE		
	SUB-PROGRAMME TITLE	SUB-PROGRAMME LEADER
SUB-PROGRAMME TITLE & LEADERS	1.	
SUD-PROGRAMME TITLE & LEADERS	2.	
	3.	
A. Research Programm OR Thrust area only]	e [Please tick ( v' ) ONE (1) Research Cl	uster AND ONE (1) Niche
RESEARCH CLUSTER:	NICHE AREAS:	THRUST AREAS:
Frontiers of the Natural World	Nature-Inspired Technology (Driving Drug Discovery)	Curiosity-Driven Fundamental Research
Health & Well Being	Active Aging	Innovative Health
[	Cancer	Lifestyle Diseases
		Mental Well-Being
Innovative Industry & Sustainability Science	Energy	IR4.0
[	Materials	Water & Environment
		Sustainable Living
Social Advancement & Happiness	Behavioural Studies	Education for the Future
	Cultural, Heritage and Civilization	Smart Society

C. LINKA	AGES BETWEEN SUE	B-PROGRAMN	<b>/IE</b> (max. 300 w	vords)		
D. QUAL	ITY OF RESEARCHER					
D. QUAL	ITY OF RESEARCHERS Research Team T					
-			H-Index	Citations	No. of	Role/
i.	Research Team T	rack Record	H-Index	Citations	No. of Publications**	Rale/ Contribution
No. 1. 2.	Research Team T	rack Record	H-Index	Citations		
i. No. 1. 2. 3.	Research Team T	Faculty				
i. No. 1. 2. 3.	Research Team T Name  Name  r the past 5 years and MU	Faculty  Faculty  ST be relevant to	the proposed pro	gramme	Publications**	Contribution
i. No. 1. 2. 3.	Research Team T Name  Name  r the past 5 years and MU	Faculty Faculty  ST be relevant to laborations/Ext	the proposed pro	gramme		Contribution
i. No. 1. 2. 3.	Research Team T  Name  r the past 5 years and MU  International Col	Faculty Faculty  ST be relevant to laborations/Ext	the proposed pro	gramme	Publications**	Contribution
i. No. 1. 2. 3.	Research Team T  Name  r the past 5 years and MU  International Col	Faculty Faculty  ST be relevant to laborations/Ext	the proposed pro	agramme rator and Sta	Publications**	Contribution
i. No. 1. 2. 3. ** Fc iii.	Name  Name  r the past 5 years and MU  International Col the proposed pro	Faculty Faculty  ST be relevant to laborations/Ext	the proposed pro-	agramme rator and Sta	Publications**	Contribution
i.  No.  1. 2. 3.  ** fe ii.  No.  1. 2.	Name  Name  r the past 5 years and MU  International Col the proposed pro	Faculty Faculty  ST be relevant to laborations/Ext	the proposed pro-	agramme rator and Sta	Publications**	Contribution
i.  No.  1. 2. 3.  ** Fo	Name  Name  r the past 5 years and MU  International Col the proposed pro	Faculty Faculty  ST be relevant to laborations/Ext	the proposed pro-	agramme rator and Sta	Publications**	Contribution

#### D. QUALITY OF RESEARCHERS

i. Research Team Track Record

No.	Name	Faculty	H-Index	Citations	No. of Publications**	Role/ Contribution
1.						
2.						_
3.						

<sup>\*\*</sup> For the past 5 years and **MUST** be relevant to the proposed programme

ii. International Collaborations/External Collaborator and Stakeholders (MUST be relevant to the proposed programme)

No.	Institution	Name of Researcher	Role/ Contribution
1.			
2.			
3.			

#### E. TARGETTED RESEARCH OUTPUT(Please select at least 1 (ONE) from each category)

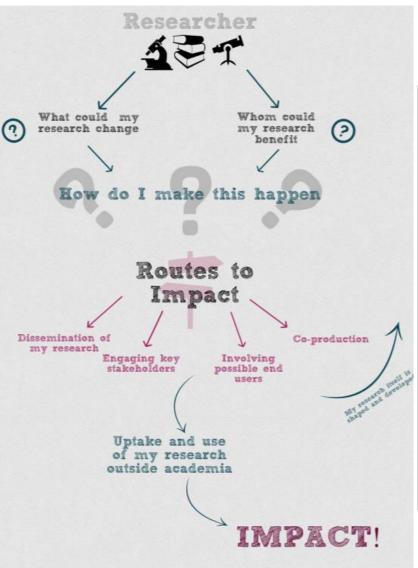
#### i. ACADEMIC OUTPUT

No.	Details	Output
1.	ISI	
2.	IPR/Copyright	
3.	Human Capital Developments	
4.	Book (s)/Chapters in book (s)	
5.	Peer reviewed journal articles	
6.	Policy	

#### ii. NON-ACADEMIC OUTPUT

No.	Details	Output		
1.	Commercialization			
2.	Media Articles			
3.	Website			
4.	Software/Applications			
5.	Societal Engagement			
6.	Others: Please specify			

# **Impact**



#### F. RESEARCH IMPACT\*

	You can use these columns to help write your 'IMPACT SUMMARY'		This may be helpful for structuring your 'Impact Summary' and 'Pathways to Impact' sections	You can use these columns to help write your 'PATHWAYS TO IMPACT'				
1 Market	Who will your research benefit? (non- academic beneficiaries)	What will be the benefits to them from your research?	<b>How</b> would you categorise this benefit/beneficiary? (E.g. public, industry, Policy?)	How are you going to share your research with them? (I.e. what is the specific activity?)	When are these activities going to take place? (Be as specific as possible)	Who from your research project is going to arrange and deliver this activity?	What resources/ training will you need for this activity? (Include in costs & justification of resources)	How will you know these activities have been successful?

## Additional info

#### B(viii)

Latest CV & Researchers' Profile (maximum 1 page each- Please use attached template for the profile and enclose in the Appendix)

CV Terkini & Profile Penyelidik (maksimum 1 muka surat bagi setiap dokumen - Sila gunakan template yang telah disediakan bagi profil penyelidik dan lampirkan di bahagian Apendiks)

#### Di) Detailed Proposal of Research Sub-Programme :

Maklumat cadangan sub-program penyelidikan secara terperinci:

- (a) Abstract (maximum 150 words) Abstrak (maksimum 150 patah perkataan)
- (b) Graphical Abstract (maximum 1 page-A4)(Please use attached template and enclose in the Appendix) Abstrak grafik (maksimum 1 mukasurat-A4)(Sila gunakan template dan lampirkan di bahagian Apendiks)
- (c) Research background including Introduction / Hypothesis / Research Questions and Literature Reviews. Keterangan latar belakang penyelidikan termasuk Pengenalan/kenyataan hipotesis / persoalan penyelidikan dan kajian literatur.
- (d) SMART Objective (s) of the Research/SMART Objektif Penyelidikan\*\*
  - S Specific, significant, stretching
  - M Measurable, meaningful, motivational
  - A Agreed upon, attainable, achievable, acceptable, action-oriented
  - R Realistic, relevant, reasonable, rewarding, results-oriented
  - T Time-based, time-bound, timely, tangible, trackable

## **Allocation**

- salary & wages: max = RM 30,000/year. Each SP must hire at least 1RA
- Travel = fieldwork ONLY
- X equipment

## **Research continuity**

 Must show evidence that a proposal is ready for submission for external funding application as a continuation of the work in IIRG (at month 21)

## Research output will be **ONLY** accepted if:

- after the grant is being awarded.
- relevant to the project/programme approved.

## Flow: Announcement to Award

**Evaluation Approval** round 1 Pitch Open session Announcement **Shortlist Award** 24<sup>th</sup> Jan 2019 Results 1<sup>st</sup> April 2019 **Evaluation Submission** round 2 -(25<sup>th</sup> Feb 2019) desktop **Revision** evaluation

### 1st round based on

- Executive Summary
- Linkages between subprogrammes
- Quality of Researchers
- Research Impact



## IIRG 2019-2021



# Thank you