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Islamic Development Bank


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Empowering people for a sustainable future
Driving innovation, partnerships, Islamic Finance and value chains

**WRITING A WINNING PROPOSAL FOR
INTERNATIONAL GRANT**
Muhamad Shirwan Abdullah Sani, PhD

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**2021 Transform Fund Call
focuses on**



- Response to recovering from the COVID-19 pandemic with the aim of building a stronger, more resilient, and prosperous future.
- Focus on 6 SDGs
 - SDG2: No Hunger (food security);
 - SDG3: Good Health and Well-Being;
 - SDG4: Quality Education;
 - SDG6: Clean Water and Sanitation
 - SDG7: Affordable and Clean Energy
 - SDG9: Industry, Innovation and Infrastructure.

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Focus on 6 SDGs – You need to look into the definition of each SDG

Global Goals

2 Zero Hunger ✓
End hunger, achieve food security and improved nutrition and promote sustainable agriculture. ✓

Global Goals

3 Good Health and Well-being ✓
Ensure healthy lives and promote well-being for all at all ages. ✓

Global Goals

4 Quality Education ✓
Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all. ✓



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Focus on 6 SDGs

Global Goals

6 Clean Water and Sanitation ✓
Ensure availability and sustainable management of water and sanitation for all. ✓

Global Goals

7 Affordable and Clean Energy ✓
Ensure access to affordable, reliable, sustainable and modern energy for all. ✓

Global Goals

9 Industry, Innovation and Infrastructure ✓
Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation. ✓



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Application categories



The Transform Fund aims to support the below four categories of projects through Grants, Equity Participations and Quasi Equity Participation:

Category	Investment Type	Model of financing	Funding Opportunity (US\$)	Eligibility
One	New Ideas with Proof of Concept	Grant	50,000 - 100,000	Scientists and Innovators
Two	Scaling Up of Innovative Projects	Equity Participation / Quasi Equity Participation	Up to 300,000	Registered legal entity*
Three	Commercialization of Technology	Equity Participation / Quasi Equity Participation	Up to 1,000,000	Registered legal company**
Four	STI Capacity Building	Grant	100,000 - 150,000	Registered legal entity

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Application categories



- PROOF OF CONCEPT - To support scientists and innovators who have a proven concept and who are in need for initial funding to develop their ideas into a pilot project/development solution and a business proposal.
- SCALE UP - To support applicants who have successfully piloted a project which involves innovative technologies and are in need for additional funding to replicate or scale up the project.
- COMMERCIALIZATION - To support candidates who have already implemented and successfully scaled up an innovative project and are in need of additional funding for the commercialization of the services and products developed for a project.
- CAPACITY BUILDING - To support Governments of member countries in developing their technical and functional science, technology and innovation capacity to address major development challenges

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Fill in the detailed criteria - refer to IsDB guideline

Detailed criteria	New ideas with proof of concept	Scaling up of innovative projects	Commercialization of technology	STI capacity building
Innovativeness	/	/	/	/
Impact and Outreach	/		/	/
Doable and Practical	/			
Sustainable	/	/	/	/
Replicable and Scalable	/		/	/
Patentable with Commercial Potential	/			
Identification of STI Capacity Building Challenges (assessments/needs)				/
Estimated Cost & Implementation Plan			/	/
Business plan/model and market opportunity		/		
Patent positions		/	/	
Potential impact		/		

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ENGAGING AND TRANSFORMING COMMUNITIES

Engage is a digital hub created by the Islamic Development Bank which will accelerate economic and social progress in the developing world through the power of science, technology and innovation.
To know more about the SDGs, please click on the circles below



How to apply?

Register your account and log in via <https://www.isdb-engage.org/en/>

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PROOF OF CONCEPT - MY APPLICATION

- To support scientists and innovators who have a proven concept and who are in need for initial funding to develop their ideas into a pilot project/development solution and a business proposal.
- Provide evidence that your idea/concept has been proven e.g., published manuscript/journal etc.
- From this publish manuscript, enhance the research activities up to the level prior to scale up project - focus on lab/small scale activities.

International Food Research Journal 24(2): 810-818 (April 2017)
 Journal homepage: <http://www.ijfrj.com/>

The antibacterial activities and chemical composition of extracts from *Carica papaya* cv. Sekaki/Hong Kong seed

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Article history: **Abstract**
 Received: 18 December 2015
 Received in revised form: 8 April 2016
 Accepted: 11 April 2016

Keywords:
 Solvent extraction
 Antibacterial properties
 Papaya seed
 Volatile components

Ten solvents were used to extract phytochemicals from the peel of *Carica papaya* cv. Sekaki/Hong Kong to evaluate antibacterial activities and determine chemical composition of *Carica papaya* cv. Sekaki/Hong Kong seeds. The antibacterial activities of ten solvent extracts were tested against 14 microorganisms via *Staphylococcus*, *Salmonella typhimurium*, *Escherichia coli*, *Salmonella enteritidis*, *Shigella sonnei*, *Shigella flexneri*, *Proteus mirabilis*, *Staphylococcus aureus*, *Bacillus cereus*, *Listeria monocytogenes*, *Corynebacterium aliphilum*, *Clostridium perfringens*, *Streptococcus pneumoniae* and *Bacillus subtilis* using disk diffusion test (DDT). The *Carica papaya* seed of ACN and MeOH extracts inhibited 11 microorganisms, indicating their broad-spectrum activity. The disk diffusion test exhibited moderate and clear inhibition on *C. aliphilum*, *S. pneumoniae*, *B. subtilis* and *C. perfringens*. MeOH extract inhibited *S. enteritidis*, *E. coli*, *S. pneumoniae*, *P. mirabilis* and *B. cereus* with the lowest MIC at 11.25 mg/ml each, thus was chosen as the best extract. The hierarchy of extract potency can be ranked as MeOH > acetone > ACN > CHCl₃ > hexane > DE > EtOH > DCM based on clear and moderate inhibition and the lowest MIC. TIC and TIC of the extracts ranged between 4.83 to 22.59 mg GAE/g DW and 1.32 (water) and 17.15 mg QE/g DW respectively. The GC/MS analysis of MeOH extract identified potential antibacterial compounds such as isothiocyanomethyl betaine, 6-oxocaproic acid, hexadecanoic acid and β-ionosol. The *Carica papaya* seed cv. Sekaki/Hong Kong possessed significant antibacterial activities when extracted by different solvents in particular MeOH solvent.

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Fill in the detailed criteria - refer to IsDB guideline

Innovativeness

- Clearly describe your idea and the challenge you are proposing.
- Highlight how you consider the idea it to be an innovation or creative. ✓
- If you want to initiate an innovation, it shall be a completely new approach or a significant improvement to an existing approach. ✓
- Clearly differentiate between your approaches and the previous ones.
- Explain what improvement your approach could bring to materialize the idea ✓

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Fill in the detailed criteria - refer to IsDB guideline

✓ Impact and outreach

- How can your idea have an impact to solve a challenge in IsDB Member Countries (MCs) or non-MCs related to one of the 6 SDGs:
- Whom will your idea help? State the group that may be benefit from your idea
- How will impact be measured?
- How many people will be positively impacted in the short, medium, and long term? ✓



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Fill in the detailed criteria - refer to IsDB guideline

Doable and Practical

- Is your idea scientifically sound? - Provide evidence e.g., published manuscript ✓
- What do we need to practically implement it? ✓
- Does the technology needed to implement your idea exist? ✓
- Please be specific in how you will carry out the work. What is the specific step by step plan? ✓
- Complete the KPI Template and the Estimated Cost & Financing Plan. Failure to complete any of the required templates will disqualify your proposal ✓

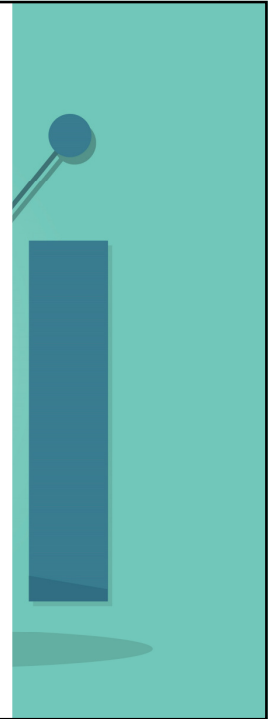


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Fill in the detailed criteria -
refer to IsDB guideline

Sustainable

- The idea, when eventually is turned into a product or service, must demonstrate a self-growing potential in terms of continuing its expected impact.
- Highlight the idea that uses cheaper tools/facilities
- You may add, if the sources to materialize are abundant, the impact would be bigger.
- Please describe how the eventual product or service will maintain itself, survive and grow in the marketplace - It goes back on how do you materializing the idea. Provide the statistics.



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Fill in the detailed criteria -
refer to IsDB guideline

Replicable and Scalable

- Can the idea be scaled up and replicated in IsDB MCs (especially in Least Developed MCs) without the need for a major reinvention or adjustment?
- Will the product or service be able to work in other geographies and settings or is this a one-off effort? - You may design the activities to be adopted in other countries.
- Will the product or service be able to scale and reach more and more people? How? Provide numbers.



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Fill in the detailed criteria - refer to IsDB guideline

Patentable with Commercial Potential

- Does your idea have a potential for patenting?
- Explain how you see your idea developing in future into commercial product or service? Perhaps you could expand to other fields?
- Please describe your plans for patenting and/or trademarking the ideas or work. When and where do you want to apply the patent?
- The idea must have a potential for patent protection and development into a commercial product or service with an expected benefit.


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Fill in KPI Template

Project's Key Components, Deliverables, and Key Performance Indicators (KPIs)

Project components/ activities, key deliverables, or milestones in line with the budget requested	Description (Please describe each activity planned to be implemented under each component)	Key Deliverables			Duration (Please estimate the duration of each activity)	Remarks (any specific remark/assumption)
		Output*	Outcome*	Preliminary Impact**		
Component 1						
Activity 1.1						
Activity 1.2						
Activity 1.3						
-						
-						
Component 2						
Activity 2.1						
Activity 2.2						

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Fill in KPI Template

*Note that an **output** is something that your project does while an **outcome** is something that happens because of what your project does.

****Impact** measures the results that can be directly attributed to your outcomes.


Examples:

Output could be the number of students that completed a specialized training course.

Outcome would then be how many of the graduates of that course were able to obtain and retain jobs or start a business because of that specialized training course.

Impact could then be measured later in time in any number of ways depending on the specific goals of the project. Impact could be measured by the number of people with disabilities that became independent and productive members of their community (if the program originally targeting unemployed persons with disabilities).

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Fill in Estimated Cost & Financing Plan

Cost Estimate & Financing Plan

No	COMPONENT/ACTIVITIES ¹	IsDB		Other Partner(s)		Total
		Amount in USD	%	Amount in USD	%	
1						
2						
3						
-						
-						
-						
-						
n						
	TOTAL					

¹Please provide detailed cost breakdown by components/activities and the proposed financing plan – under each component, kindly list the activities related (examples include consultancy service to conduct a study, development or upgrading of platforms, hiring of operational staff, conducting training, procurement of equipment, software and applications, design clinical protocol, preform screening tests, organize community meetings or workshops, selection of local partners etc.)

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Fill in Estimated Cost & Financing Plan

Please provide detailed cost breakdown by components/activities and the proposed financing plan - under each component, kindly list the activities related

Examples of components:

- Consultancy service to conduct a study;
- Development or upgrading of platforms
- Hiring of operational staff
- Conducting training
- Procurement of equipment, software and applications,
- Design clinical protocol
- Perform screening tests
- Organize community meetings or workshops, selection of local partners etc.)

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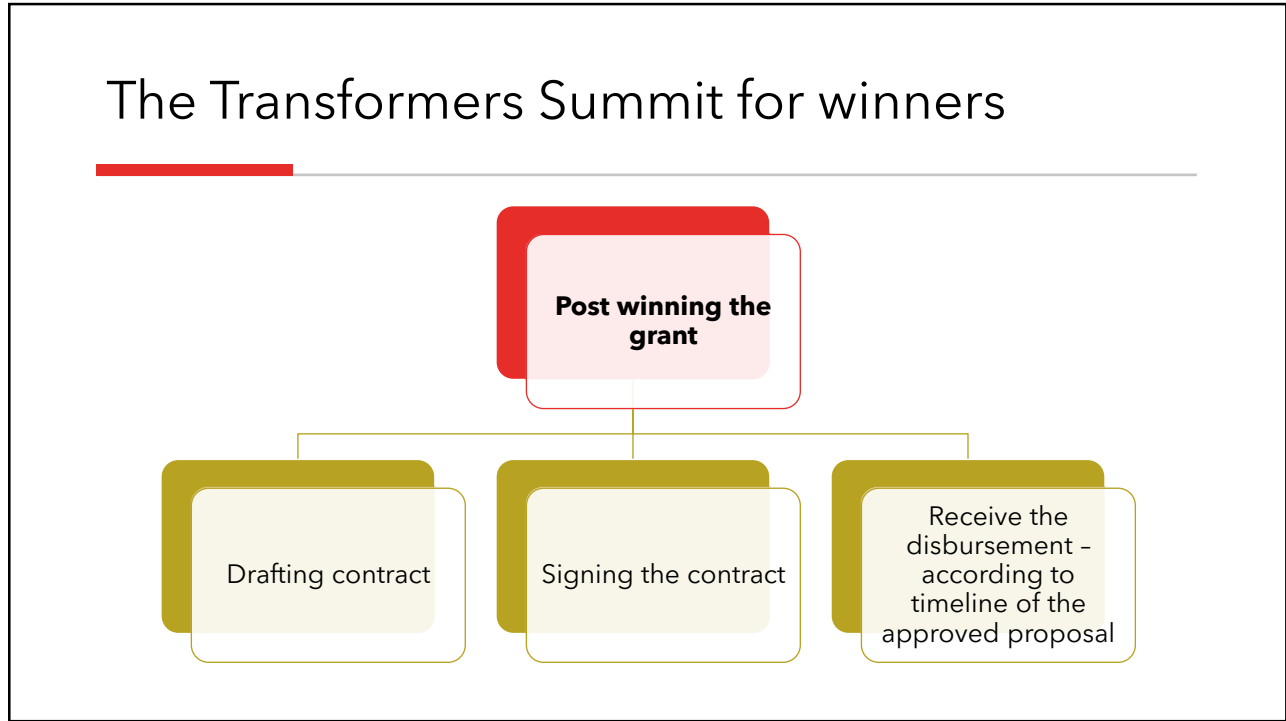
Proposal evaluation for IsDB 2019



1. First stage submission via <https://www.isdb-engage.org/en/profile/my/submissions>
2. Second stage submission to IsDB:
 - Submit IDBG Know Your Customer (KYC) Form
 - Submit complete proposal - submit the same information from the portal in pdf file.
3. Another two stages of IsDB's evaluation
4. Winners receive a notification letter.

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The Transformers Summit for winners



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Tips & tricks



Aim on solving problems in Least Developed Member Countries (LDMCs), but make it generic



Focus on SDG 2,3,4,6,7 & 9

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