

# IERI Research Proposal 2021

Research Title						
Research Area <i>(Choose one)</i>	<input type="checkbox"/> Carbon reduction and renewable energy <input type="checkbox"/> Climate change and sustainability <input type="checkbox"/> Implementation of water treatment technology in field					
Principal Investigator	Name	<i>(Last)</i>	<i>(Middle)</i>	<i>(First)</i>	Title	Dr/Mrs./Mr
	Nationality	<i>(write both if you hold the dual citizenships)</i>			Country of residence	
	Organization Name					
	Affiliation					
	Telephone Fax No.			E-mail		
	Resident Address					
Research Duration	March 1- Dec 31, 2021					
Research Budget	Korean Won					
Number of Researchers Participating	Co-Investigator	Research Assistant (Ph.D or MSc student)			Other participants	

Here I propose a research proposal to the International Environmental Research Institute (IERI), and agree to conform to the rule posed by the Gwangju Institute of Science & Technology (GIST).

Attachments: 1. Research Proposal

2. Principal Investigator's CV with a list of publications  
(Including the 1st page of each published article)

Date: 2021. 03. 01

Name of Principal Investigator:

Submitted to

Director of International Environmental Research Institute:

**Gwangju Institute of Science & Technology**

## **Research Title :**

- ※ No specified format is required.
- ※ The entire proposal from Executive Summary to section 5 should be 5 pages or less.
- ※ Content Font type : Times New Roman, Content Size: 12, Line Spacing: 1.5
- ※ Title Font type : Times New Roman, Content Size: 14, Line Spacing: 1.5

## **Executive Summary** (less than 1 page)

### **1. Backgrounds of the Research**

### **2. Objectives of the Research**

### **3. Research Design and Methods**

### **4. Expected Outcomes (including the strengths and challenges)**

### **5. Literature Cited**

6. Participating Researchers

Research Field	Name (Last. First)	Affiliation	Title	Task

Number of researchers by degree among total (    ) persons
Ph.D. : MSc : B.S. : Other :

7. Budget Expenditure

A. Total budget expenditure

(Unit: Thousand Korean Won)

	Planned amount (KRW)	Percentage (%)	Remarks
1. PERSONNEL (researchers and students who are hired by the PI or CO-PI for the proposed research)			
2. DIRECT COSTS			
Travel & Diems			Conferences (Allocate budget for IFOCA 2020) Field sampling travel
Instrumentation			Purchase and rent
Materials and supplies			Chemicals Reagents Equipment
Trial manufacture			
Fees and commissions			Printing Copying Analysis Posting Field sampling (Local transportation, labor charge, car rent etc)
Information dissemination			Hosting Seminars Discussion and data meeting

<b>3. INDIRECT COSTS</b>  (If the PI's institute regulates a certain amount of contribution from the grant to support the proposed research)			
Sum total			

B. Detailed Budget

(Unit:Thousand Korean Won)

No.						
1	Personnel					
	Name (Personal ID No.)	Title	Monthly salary	Period (month)	Participation (%)	Total amount
		.	( )	( )	( )	( )
		.				
1	Sub-total (1)					

2	TOTAL DIRECT COSTS					
■ Travel & Diems						
	Domestic travel					
	- ↔ - ( days) * persons * times					
	- ↔ - ( days)* persons * times					
	International travel					
	- ↔ - ( days)* persons * times					

	- ↔ - ( days)* persons * times				
	- ↔ - ( days)* persons * times				
<div>■ Instrumentation purchase or rent</div>					
	Purchase				
	Rent-				
<div>■ Materials and supplies</div>					
	Chemicals and reagents				
	Consumables				
	Equipment				
<div>■ Trial manufacture</div>					
<div>■ Fees and commissions</div>					
	Printing and copying				
	Instrumental analysis				
	Field sampling (local transportation labor charge, car rent etc)				
	Posting				
	Utilities				
	Others				
<div>■ Information dissemination</div>					
	Hosting Seminars				



	<b>Discussion and Data Meetings</b>	
	<b>Sub-total (2)</b>	
<b>3</b>	<b>INDIRECT COSTS (3)</b>	
<b>SUM TOTAL (1+2+3)</b>		