

GIST Research Institute Research Proposal 2023

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|--------------------------------------|--|--|----------------------|--------------------|
| Research Title | | | | |
| Research Area <i>(Choose one)</i> | <div><input type="checkbox"/> Carbon reduction and renewable energy</div> <div><input type="checkbox"/> Air pollution and climate change</div> <div><input type="checkbox"/> Implementation of water treatment technology in field</div> | | | |
| Principal Investigator | Name | (Last) (Middle) (First) | Title | Dr/Mrs./Mr |
| | Nationality | (write both if you hold the dual citizenships) | Country of residence | |
| | Organization Name | | | |
| | Affiliation | | | |
| | Telephone Fax No. | | E-mail | |
| | Resident Address | | | |
| Research Duration | October 15, 2023- March 31, 2024 | | | |
| 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: 2023. 10. 15

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 |
|-------------------|-----------------------|-------------|-------|------|
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| 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 |

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|--|--|--|--|
| 3. INDIRECT COSTS (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)

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

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

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

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|--------------------------|-------------------------------------|--|
| | Discussion and Data Meetings | |
| | Sub-total (2) | |
| 3 | INDIRECT COSTS (3) | |
| SUM TOTAL (1+2+3) | | |