

Grant Proposal

Taiwanese-Mongolian Joint Research Project 2018-2020

I. General Information

Application Number:

| | | |
|--|---|--|
| Research Project Title | Mandarin | |
| | English | |
| | Mongolian | |
| Project Period | From _____ to _____ (MM/DD/YY) | |
| Proposed Area of Research | <input type="checkbox"/> Natural Sciences and Sustainable Development <input type="checkbox"/> Life Sciences <input type="checkbox"/> Engineering and Applied Sciences <input type="checkbox"/> Humanities and Social Sciences <input type="checkbox"/> Science Education | |
| Does this research project include the following? (Check as applicable and attach relevant consent forms.) | | |
| <input type="checkbox"/> Human Studies <input type="checkbox"/> Gene Recombination <input type="checkbox"/> Animal Studies | | |

For Taiwanese Principal Investigator (PI)

| | | | |
|-------------------------|---|-----------------------|--|
| Institution/Department | | | |
| Name (English/Mandarin) | Position | Identification Number | |
| Contact Information | Name: _____ Telephone: (Office) _____ (Home/Mobile) _____ | | |
| Mailing Address | | | |
| Fax Number | | E-mail | |

For Mongolian Principal Investigator (PI)

| | | | |
|-----------------------------------|---|-----------------------|--|
| Mongolian Cooperating Institution | | | |
| Name (English/Mongolian) | Position | Identification Number | |
| Contact Information | Name: _____ Telephone: (Office) _____ (Home/Mobile) _____ | | |
| Mailing Address | | | |
| Fax Number | | E-mail | |

_____/Date

Signature of Taiwanese Principal Investigator

Form MN-001

_____/Date

Signature of Mongolian Principal Investigator

Page ____ of ____ pages

II. Requested Budget for Entire Term of Project Period:

1. For "personnel," and "consumables," enter the totals as calculated in Forms CM04-MN and CM05-MN respectively.
2. For "Travel Expenses for international Destinations," enter the total as calculated in Form IM02.
3. For "postdoctoral research fellows," enter the number of personnel requested for each year.
4. In case of support from the proposing institution or other organizations (including industrial support), attach relevant documents or evidence of support.

Currency unit: US Dollars

| Project Year | First year from __/__/__ to __/__/__ (M M / Y Y) | Second year from __/__/__ to __/__/__ (M M / Y Y) | Third year from __/__/__ to __/__/__ (M M / Y Y) |
|---|--|---|--|
| Budget Categories | | | |
| General Expenses for Mongolian Side (d) =(a)+(b)+(c) | | | |
| Personnel (a) | | | |
| Consumables (b) | | | |
| Travel Expenses for International Destinations (c) | | | |
| Total for Each Year (= (d)+ budget of Taiwanese side) | | | |
| Postdoctoral Research Fellows (Domestic or Foreign) | _____ persons | _____ persons | _____ persons |

Indicate support from the participating institutions or other organizations (including industrial support). Leave space blank if not applicable.

| Supporting Institution | Items Funded (Personnel, Equipment, etc.) | Amount of Funding | Funding Period | Evidence of Support |
|---------------------------|--|----------------------|-------------------|------------------------|
| | | | | |
| | | | | |

III. Key Professional Personnel:

1. Indicate “staff type” in the following order: principal investigator (PI), assistant investigator, and postdoctoral research fellow.

| Staff Type | Name | Institution/ Department | Position | Role in Project | Percent of Effort* |
|------------|------|----------------------------|----------|-----------------|--------------------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

**Percent of effort is defined as the percentage of the hours devoted to this project to the total working hours per week. For instance, 50% means this individual will devote a half of his/her working hours to this research project each week.*

2. If requesting funds for postdoctoral research fellows, indicate the following for each year of the project:

- (1) Field(s) of specialization (targeted and requisite)
- (2) Research work
- (3) Workload and degree of impact on research project
- (4) Standards of performance evaluation
- (5) If a candidate for postdoctoral research fellow has already been selected, provide candidate’s name and attach personal information forms.

IV. Personnel:

1. For “type/rank,” indicate full-time research assistant (already holding master’s, bachelor’s, technical college, or high school degrees), part-time research assistant (including Ph.D. students, master’s students, undergraduate students, lecturers, and teaching assistants) or temporary staff.
2. Complete the table with separate pages for each year.

Currency unit: US Dollars

| (I) Full-time Research Assistants, Part-time Research Assistants (lecturers, teaching assistants), and Temporary Staff | | | | | | |
|--|---------------------|----------------------|----------------------------|---|----------|--|
| Type/Rank | Number of Staff | Name | Number of Working Months | Monthly Salary (including Labor and Health Insurance) | Subtotal | Indicate: 1. Highest degree earned 2. Previous experiences as full-time research assistant 3. Role in project |
| | | | | | | |
| | | | | | | |
| Total (I) | | | | | | |
| (II) Part-time Research Assistants (Ph.D., master’s, and undergraduate students) | | | | | | |
| Rank or Name | Number of Staff (1) | Monthly Pay Unit (2) | Number of Award Months(3) | Subtotal (4) = \$_____ x (1) x (2) x (3) | | Role in Project |
| | | | | | | |
| | | | | | | |
| Total (II) | | | | | | |
| (III) Postdoctoral Research Fellows | | | | | | |
| Name | Number of Staff (1) | Monthly Pay Unit (2) | Number of Award Months (3) | Subtotal (4) = \$_____ x (1) x (2) x (3) | | Role in Project |
| | | | | | | |
| | | | | | | |
| Total (III) | | | | | | |
| Total (IV) =Total(I)+ Total (II)+ Total (III) | | | | | | |

V. Consumable Expenses:

1. Complete this form for all consumables and miscellaneous expenses needed for executing this research project.
2. For “description,” indicate product specifications, functions, and relevant information.
3. If proposing institution provides support or funding, indicate in “remarks” column.
4. Complete the table with separate pages for each year.

Currency unit: US Dollars

| Item | Description | Unit ("Piece," "Ream," "Batch", "Box," etc.) | Quantity | Unit Price | Amount | Remarks |
|-------|-------------|--|----------|------------|--------|---------|
| | | | | | | |
| Total | | | | | | |

VI. Keywords and Abstracts

List keywords and summarize the main points of this grant proposal. (**in English with maximum 500 words**)

VII. Contents of Grant Proposal:

1. Summary of results:

Summarize the main research results of both Taiwan and Mongolian sides for the past five years related to this proposal.

2. Research project's background and goals:

Describe in detail the background, goals, significance, status of domestic or foreign research related to this project, and bibliography of major reference materials, etc.

3. Methods, procedures, and progress:

Describe for each year:

- a. Research principles and methods.
- b. Anticipated problems and means of resolution.
- c. Support for use of major instrumentation.

4. Anticipated results and achievements:

Describe for each year:

- a. Anticipated results.
- b. Potential contribution to academics, national developments, or other applications.
- c. Potential training to be gained by personnel participating in this project.

VIII International Collaborative Research Projects

1. General Information: International collaborative research projects refer to cooperation with overseas researchers, which may lead to publishable research results or potential patent rights.

| | |
|---|---|
| Collaboration (choose one; check MOST website for details) | <input checked="" type="checkbox"/> Bilateral Cooperative Project : _____ Sponsoring institute(s): <u>MOST-MECSS</u> |
| Pattern of Cooperative Research (Check as applicable) | <input type="checkbox"/> Data collection sharing <input type="checkbox"/> Research information exchange <input type="checkbox"/> Model of theory establishment and inspection <input type="checkbox"/> Data induction or deduction <input type="checkbox"/> Device or product design <input type="checkbox"/> Others (please specify) _____ |
| Mode of Cooperative Research (Check as applicable) | <input type="checkbox"/> Taiwanese personnel travel abroad for research <input type="checkbox"/> Foreign personnel travel to Taiwan for research <input type="checkbox"/> Personnel from all sides travel to a third country for research <input type="checkbox"/> Taiwanese personnel travel abroad to access valuable equipment Equipment (please specify): _____ Site (country/city/institution): _____ |
| Status of Research Project at Cooperating Institution | <input checked="" type="checkbox"/> Under review <input type="checkbox"/> Authorized (Name of Sponsoring Institution in English) : _____ Amount \$ _____ (In USD) Duration: _____ |
| Copyright | <input type="checkbox"/> Not included Settled (check all that apply) <input type="checkbox"/> Joint publication of research results <input type="checkbox"/> Joint application for patent rights <input type="checkbox"/> Technology transfer |

2. Travel Expenses for International Collaborative Research Projects:

(1) Please indicate type as A, B, or C:

- A. Request funds for Post-doctoral research fellow or Ph.D. graduate student to travel abroad
- B. Request funds for Taiwanese PI or Mongolian PI to travel abroad
- C. Request funds for assisting research personnel to travel to Taiwan or Mongolian.

(2) Fill in separate itinerary and travel route for each person, should these be different.

(3) Airfare、living and other expenses must be calculated according to “Standard International Travel Expenses for Research Personnel in International Cooperative Research Projects” and “Standard Per Diem for International Experts and Scholars Visiting Taiwan/Mongolian”.

(4) For multi-year research projects, fill in separate forms for each year.

Currency unit: US Dollars

| Name of Research Personnel | Role in Project | Type (A, B, or C) | Country | City | Duration of Stay | Functions and Duties |
|----------------------------|-----------------|-------------------|---------|----------------|------------------|----------------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Budget | | | | | | |
| Item | Type A | Type B | Type C | Justifications | | |
| Travel | | | | | | |
| Living Expenses | | | | | | |
| Others | | | | | | |
| Subtotal | | | | | | |
| Total | | | | | | |

3. Description of International Collaboration:

- (1) Please give a brief description of the previous research cooperation between/among the counterparts
- (2) Describe the division of task between the Taiwan and the Mongolian researchers, include and estimate of working hours.
- (3) Briefly state the significance and innovative aspects of this collaborative research.
- (4) Please describe briefly how young scientists from both sides will be involved in this project.