

TTSF

Thailand Toray Science Foundation

Science and Technology Research Grant, 2019

1. Objective

TTSF research grant program aims to support university instructors or researchers who are working on or about to work on a research project that will be beneficial to further development of science and technology in Thailand. Our program focuses on four research areas, namely: agriculture & agricultural biology, physics, chemistry and engineering, with the exception of mathematics and clinical medicine. Eligible applicants must be instructors/researchers with outstanding research achievements which are well recognized among professionals in the chosen discipline, or instructors/researchers who demonstrate their research capability and potential to acquire recognition in the chosen discipline in the future.

2. Funding Scope

TTSF research grant program **primarily funds compensation paid to researchers and research assistants**. Part of the grant can be used to support expenditures involved in presenting a research paper, in international conference publishing in an academic journal and to purchase necessary research supplies and materials, etc.. Eligible research projects that apply for TTSF grant should be those which have secured primary source of funding from research funding organization(s). TTSF grant serves only as complimentary fund to the research project.

3. Eligibility for TTSF Research Grant

Applicants must be either instructor in public or private university or researcher in public research institutes or state enterprises in Thailand who are working on or about to work on a research project aiming to develop scientific and technological knowledge related to the abovementioned disciplines. Applicants must be Thai citizen and carry out their research projects in Thailand.

4. Application Judgment Criteria

- 4.1 Proposals for research projects must be beneficial to the public and to the development of science, technology and innovation in Thailand especially in the areas of agriculture & agricultural biology, physics, chemistry and engineering, and potentially capable of responding to the global challenges nowadays and in the future. (The list of previously awarded projects are displayed at <http://www.ttsf.or.th>)
- 4.2 Research methodology and plan are academically proper and in line with generally accepted standards in the discipline.
- 4.3 Applicants must have outstanding research achievements which are well recognized among professionals in the chosen discipline and/or must demonstrate their research capability and potentials to acquire recognition in the chosen discipline in the future. Furthermore, they must demonstrate potentials to train and mentor new generation of competent researchers in their respective discipline.

- 4.4 Research Project Proposals must clearly identify the problem or the background of the proposed research and make reference to the past research or the research being conducted by other researchers. The proposals must also indicate the expected outputs from the research as to how they can solve the problem or provide greater insight into the problem.
- 4.5 Eligible research projects should be those having secured funds from other research funding organization(s).
- 4.6 Institution of the awarded Applicants are properly distributed in various regions of Thailand.

5. Expected Outputs

- 5.1 Publications in internationally recognized journals in the database of the Office of the Higher Education Commission (OHEC);
- 5.2 Presentation of research paper in international conferences;
- 5.3 Adopted for use, either through commercialization or dissemination for public usage;
- 5.4 Patent (Granted or Filing); or
- 5.5 Producing a new generation of competent research personnel (Master's or Doctoral Degree Graduates)

6. Research Achievement Assessment

Assessments will be based on research performance achieved in each of the items listed in Item No. 5 above.

7. Grant Amount

TTSF provides each successful applicant with a grant not greater than 400,000 Baht each year, depending on scope of research project. TTSF offers approximately 15 – 20 research grants each year. Research projects with duration over one (1) year, grant approval are made on an annual basis. Researchers seeking grant renewal in subsequent year are required to re-submit their research proposals to TTSF.

8. Application Schedule (Downloadable application is available at www.ttsf.or.th)

Applications should be directed to:

Prof. Dr. Pairash Thajchayapong
Chairman of Science and Technology Research Grant Committee
Thailand Toray Science Foundation
Secretariat: National Science and Technology Development Agency
Ministry of Science and Technology
73/1 Rama VI Road, Ratchathewi, Bangkok 10400
Tel: 02 564 7000 ext. 81815

(Please state “Research Project Proposal for TTSF Research Grant Program” in brackets on either corner of envelope)

Closing Date for Application: October 15, 2019
Result Announcement: January 2020

APPLICATION FORM

26th Science and Technology Research Grant Thailand Toray Science Foundation (2019)

1. Name of Institution: _____

Address: _____

Tel: _____ Fax: _____

I, (Please specify the name of institution representative. Must be a dean or equivalent) _____

hereby nominate the person whose name appears in this application as the qualified applicant for science and technology research grant, Thailand Toray Science Foundation.

Signature: _____

Position: _____

Date: _____

- Remark:
1. Please provide **complete** information in the application form. (The Science and Technology Research Grant Committee reserves the right not to consider research proposals in case of late submission, incomplete application detail, or not in accordance with other criteria in any case.)
 2. Please enclose with this application the research proposal in accordance with the format prescribed in the last page of this application form.
 3. Please submit 3 copies of this application and research proposals together with two 2-inch photos of a principal researcher) and two 4-inch x 6-inch photos related to research project (if any) and a CD-ROM or a flash drive containing a folder of research proposals (in Thai or English) and abstract (in both Thai and English).
 4. Judgement made by the Science and Technology Research Grant Committee is final.
 5. Submit the application to: Prof. Dr. Pairash Thajchayapong
Chairman of Science and Technology Research Grant
Committee,
Thailand Toray Science Foundation
Secretariat: National Science and Technology Development Agency,
Ministry of Science and Technology
73/1 Rama VI Road, Ratchathewi, Bangkok 10400
Tel: 02 564 7000 ext. 81815

(Please specify “Research Project Proposal for TTSTF Research Grant Program” in brackets on either lower corner of envelope)

Closing date for application: October 15, 2019

Proposed Research Project Information

2. Research Project Title (Thai): _____

(English): _____

Field (Please select only one most relevant field to your research project)

Agriculture and agricultural biology Chemistry Physics Engineering

3. Name of Principal Researcher (Mr./Mrs./Miss.): _____

Most Advanced Academic Degree Obtained: Doctorate Master's Bachelor

Others (Please specify) _____

Academic Title (Prof./Assoc.Prof./Asst.Prof./Others (Please specify): _____)

Department: _____ Faculty: _____

Institution/University: _____

Address: _____

Tel: _____ Mobile: _____

Fax: _____ e-mail: _____

Have you ever received any research grant from Thailand Toray Science Foundation?

Yes, in year (if more than once, please specify every year) _____

Never

Researcher Information

4. Name (Mr./Mrs./Miss.): _____

5. Education (specify degree, graduation year, major, and institute)

6. Work experience (Especially experience related to the research proposed for grant from TTSF, please specify the research project title, source of fund, and the obtained award (related to the research))

7. Your Ongoing Research Work (Please specify research projects related and not related to the project proposed for grant from TTSF)

7.1 Research project related to the project proposed for grant from TTSF

Research Project Title	Source of Fund	Time Frame	Your Total Time Contribution to Ongoing Research Work (%)

7.2 Other research project not related to the project proposed for grant from TTSF

Research Project Title	Source of Fund	Time Frame	Your Total Time Contribution to Ongoing Research Work (%)

8. Academic achievement during the past 5 years

8.1 Achievement related to the project proposed for grant from TTSF

Patent (Please specify) _____

Model (Please specify) _____

Journal article (Please specify the title of the article and the journal) _____

8.2 Achievement not related to the project proposed for grant from TTSF

Patent (Please specify) _____

Model (Please specify) _____

Journal article (Please specify the title of the article and the journal) _____

9. How did you hear about TTSF research grant?

Announcement Letter E-mail

Internet from website _____

Social media other (Please specify) _____

10. Reason or motivation for applying for the research grant from TTSF

Research Project Proposal Format

The following topics are required:

1. **Abstract** : in Thai and English maximum length of 300 words for each language (approximately half an A4 page), use Browallia New at 15 pt. for Thai font and Times New Roman at 12 pt. for English font.
2. **Research Team:** Specify names of principal researcher and all researchers/research assistants (enclose biodata and achievements of all members).
3. **Objective:** Clearly specify the expected outputs from your research project and the question that it attempts to answer.
4. **Background and Previous Achievement:** Describe background of the proposed project including your achievement and knowledge relevant to the project (with supporting references).
5. **Research Plan:** Specify activities to be carried out (including goals and methods) and time schedule with clear and full details. This is the most important part the Committee will consider.
6. **Beneficiary from the project:** Specify the benefits following the achievement of expected outputs.
7. **Collaboration with Other Institutions:** Specify the type of collaboration (if any) including the institution which funds your proposed research project.
8. **Research Team's Existing and Deficient Expertise:** Specify process or expertise that research team is equipped that are necessary or beneficial to the project and unequipped or insufficient expertise that requires additional training or assistance from specialists during research period. Specify the names and workplace of local or foreign decent specialists.
9. **Available Equipment and Facilities:** Provide information about research equipment and facilities available to the research team for carrying out the research project. Clearly specify whether there are any requirements for facility alterations/improvements and repairs of any certain equipment parts.
10. **Budget:** Specify details of budget proposed for the grant from TTSF in the table below:

Items	Budget amount		
	1 st Year	2 nd Year	3 rd Year
Compensation for the principal researcher (not exceeding Baht 15,000 per month)			
Compensation for the researcher			
Compensation for the research assistant			
Material expenses			
Transportation expenses			
Other expenses			
Total			

- Remark:**
1. TTSF does not support durable goods expenses. Necessary durable goods should be supported by the primary funding source of the project.
 2. For transportation expense for research presentation abroad, please enclose the supporting information (if any) e.g., Invitation/Acceptance Letter, name and schedule of the forum, etc.
 3. Research projects with duration over 1 year, the Committee will consider the proposals on annual basis. Researchers are required to re-apply for the new grant.