



## Scholarship Announcement

**MUSC Scholarship for Human Resource Development in Science & Technology  
in the Remembrance of Late King Rama IX of Thailand  
Faculty of Science, Mahidol University (MUSC)**



Supported by Faculty of Science, Mahidol University

### Coordinator & Contact Person

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Faculty of Science, Mahidol University  
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Download application form and recruitment documents at: <http://www.sc.mahidol.ac.th/IC/>

## I Summary

The Faculty of Science, Mahidol University (MUSC), Bangkok foresees a significant opportunity to strengthen human resource development in science and technology, particularly for holistic higher education studies and long-term capacity building in sciences. The Faculty of Science provides its high quality standard in basic & applied sciences, such as life science, biomedical sciences, material sciences and other multidisciplinary fields of expertise in both physical and biological sciences.

Faculty of Science, has been serving the country - producing graduates in science and technology to cope the country's rapid changes and dynamic developments for over 60 years. This also was encouraged by Thai Royal Family, especially the late King Rama IX who has made an extraordinary contribution to human development. As the world's 'Development King, has reached out to the poorest and the most vulnerable people of Thailand – regardless of their status, ethnicity or religion. UNDP therefore, presented the **“Human Development Lifetime Achievement Award”** in recognition of the global relevance of his call for a sufficiency approach to development, presented by United Nations Development Programme on 26 May 2006. (United Nation: 2006).

In the remembrance of Thailand's late King Bhumibol Adulyadej who passed away at the age of 88, on 13 October 2016, the great King who outstandingly ruled Thailand go further in terms of science and technology to improve a better quality of life especially for people in agricultural sector - a major population the country, the Faculty of Science, Mahidol University therefore, launches the **“MUSC Scholarship for Human Resource Development in Science & Technology in the Remembrance of Late King Rama IX of Thailand”** as a memorial science and technology initiative project in human resource development serving a true determination of King Bhumibol the great.

This scholarship is opened for graduates in the auspicious occasion, a celebration of the 60<sup>th</sup> Anniversary of the Faculty of Science, Mahidol University in 2018. The Faculty of Science offers specially 1 scholarship for individual 15 potential graduate programs in science and technology. The study opportunity at the Faculty of Science, Mahidol University can be classified into various well-established undergraduate and graduate studies, comprising of more than forty (40) outstanding international programs, but there are only fifteen (15) different international programs among these are occasionally opened for available scholarships provided under the “MUSC Scholarship for Human Resource Development in Science & Technology in the Remembrance of Late King Rama IX of Thailand”. To sustain the scholarship, this supports may be expanded to cover the undergraduate programs in the year of 2019. The scholarships offered for the year of 2018 are as follows:

Table 1.1: Showing open seats for 15 different programs supported by the scholarship in 2018-2019

| No  | Study Program (Master Degree)  |
|-----|--|
| 1.  | Master of Science Program in Anatomy and Structural Biology <a href="#">Click for more information</a>   |
| 2.  | Master of Science Program in Applied Mathematics <a href="#">Click for more information</a>  |
| 3.  | Master of Science Program in Biochemistry <a href="#">Click for more information</a>   |
| 4.  | Master of Science Program in Biotechnology <a href="#">Click for more information</a>  |
| 5.  | Master of Science Program in Biology <a href="#">Click for more information</a><br>Master of Science Program in Environmental Biology <a href="#">Click for more information</a><br><b>*Department selects only one program to receive the scholarship.</b>            |
| 6.  | Master of Science Program in Microbiology and Immunology <a href="#">Click for more information</a>  |
| 7.  | Master of Science Program in Pathobiology <a href="#">Click for more information</a>   |
| 8.  | Master of Science Program in Pharmacology <a href="#">Click for more information</a>   |
| 9.  | Master of Science Program in Physics <a href="#">Click for more information</a>  |
| 10. | Master of Science Program in Physiology <a href="#">Click for more information</a><br>Master of Science Program in Exercise Physiology <a href="#">Click for more information</a><br><b>*Department selects only one program to receive the scholarship.</b>           |
| 11. | Master of Science Program in Chemistry <a href="#">Click for more information</a><br>Master of Science Program in Polymer Science and Technology <a href="#">Click for more information</a><br><b>*Department selects only one program to receive the scholarship.</b> |
| 12. | Master of Science Program in Plant Science <a href="#">Click for more information</a>  |
| 13. | Master of Science Program in Materials Science and Engineering <a href="#">Click for more information</a>  |
| 14. | Master of Science Program in Forensic Science <a href="#">Click for more information</a>   |
| 15. | Master of Science Program in Toxicology <a href="#">Click for more information</a>   |

## II. Proposed area of expertise as a prioritized program to be supported

There are a total of fifteen (15) different areas of expertise as a prioritized programs that the Faculty of Science, Mahidol University offered under the “MUSC Scholarship for Human Resource Development in Science & Technology in the Remembrance of Late King Rama IX of Thailand”, which is covered the areas of basic and applied science and others. These study areas consist of its own study program structures and required different credits (lecture/lab/self-study) to complete the study, details as shown in the Table below:

Table 2.1: Showing proposed area of expertise as a prioritized program, credit requirements and total expenses supported by the scholarship.

| No  | Study Program (Master Degree)    | Coursework Credit | Thesis Credit | Total Credit | Total Expense |
|-----|----------------------------------|-------------------|---------------|--------------|---------------|
| 1.  | Anatomy and Structural Biology   | 24                | 12            | 36           | 419,700       |
| 2.  | Applied Mathematics              | 24                | 12            | 36           | 419,700       |
| 3.  | Biochemistry                     | 24                | 12            | 36           | 419,700       |
| 4.  | Biotechnology                    | 24                | 12            | 36           | 419,700       |
| 5.  | Biology / Environmental Biology  | 24                | 12            | 36           | 419,700       |
| 6.  | Microbiology and Immunology      | 24                | 12            | 36           | 419,700       |
| 7.  | Pathobiology                     | 24                | 12            | 36           | 419,700       |
| 8.  | Pharmacology                     | 24                | 12            | 36           | 419,700       |
| 9.  | Physics                          | 26                | 12            | 38           | 437,700       |
| 10. | Physiology / Exercise Physiology | 24                | 12            | 36           | 419,700       |

|     |  |    |    |    |         |
|-----|--|----|----|----|---------|
| 11. | Chemistry / Polymer Science and Technology | 24 | 12 | 36 | 419,700 |
| 12. | Plant Science                              | 24 | 12 | 36 | 419,700 |
| 13. | Materials Science and Engineering          | 25 | 12 | 37 | 428,700 |
| 14. | Forensic Science                           | 24 | 12 | 36 | 419,700 |
| 15. | Toxicology                                 | 24 | 12 | 36 | 419,700 |

### III. Availability of supported items and cost breakdown

The “Scholarship for Human Resource Development in Science & Technology in the Remembrance of Late King Rama IX of Thailand”, agrees to support almost of the expenses under the regular requirements of the Faculty of Graduate Studies for graduate students, exempting one items is not supported and some items are required to cover partially by the selected Graduate Programs. The scholarship will also offer some amounts of the living allowance for the applicants. These expenses are shown as the table 3.1 below.

Table 3.1: Showing supported items and its cost breakdown of the scholarship.

| Items   | Supported by MUSC | Supported by Program |
|---|-------------------|----------------------|
| 1. Education service fee                      | ✓                 | ☒                    |
| 1.1 1 <sup>st</sup> Semester                  | ✓                 | ☒                    |
| 1.2 2 <sup>nd</sup> Semester                  | ✓                 | ☒                    |
| 1.3 Student activities fee                    | ✓                 | ☒                    |
| 1.4 Graduate studies fee                      | ✓                 | ☒                    |
| 1.5 Internet                                  | ✓                 | ☒                    |
| 2. English competency test                    | ☒                 | ☒                    |
| 3. Graduate ceremony                          | ✓                 | ☒                    |
| 4. New registration                           | ✓                 | ☒                    |
| 5. Health and dental checkup                  | ✓                 | ☒                    |
| 6. Health insurance for non-Thai student      | ✓                 | ☒                    |
| 7. Graduate tuition fee <sup>1</sup>          | ✓                 | ✓                    |
| 8. Thesis registration fee                    | ✓                 | ☒                    |
| 9. Research supplies fee <sup>2</sup>         | ✓                 | ✓                    |
| 10. Living allowance (24 months) <sup>3</sup> | ✓                 | ☒                    |

Remarks: MUSC = Office of International Cooperation, Faculty of Science, Mahidol University  
Program = Proposed Program of Master Degree study

<sup>1</sup> The study fee details as described in table 2.1 is jointly supported by MUSC and Program, this support covers only the coursework and total credits that announced by the curriculum.

<sup>2</sup> The amount of research supplied fee is jointly supported by MUSC and Program.

<sup>3</sup> Partial supports of monthly living allowance is 6,000 THB/month for the total amount of 144,000/2 years (this item is allowed for other co-support from the other sources the applicant may have, 1 US\$ is approx. 30 THB).

## V. Admission and application process

The supports cover a total of two years (4 semesters) during 2018-2019 or 2019-2020, it can be started either in the 1<sup>st</sup> and 2<sup>nd</sup> semester of 2018. Interesting applicants are strictly required to process their own official application through the mutual agreement of the proposed Program Director and Department. Only selected applicant together with an official nomination letter from Head of the Department sending to the Office of International Cooperation within the given timeline will be accepted.

### Application process

1) Application forms (Form A, B, C, D) can be downloaded at a website of Office of International Cooperation, Faculty of Science, Mahidol University : <http://www.sc.mahidol.ac.th/IC/>

[Form A: Application for Admission of International Students](#)

[Form B: Background and Proposed Field of Study](#)

[Form C: Recommendation Form](#)

[Form D: Certificate of Health](#)

2) Please submit the mentioned above forms together with 1) a copy of passport, 2) transcript, 3) a copy of Bachelor's degree certificate and needed documents to the Program Director directly as a contact detail given below:

| No. | Study Program                    | Program Director  |
|-----|----------------------------------|---|
| 1.  | Anatomy and Structural Biology   | Assoc. Prof. Kanokpan Wongprasert<br>Email: <a href="mailto:kanokpan.won@mahidol.ac.th">kanokpan.won@mahidol.ac.th</a>  |
| 2.  | Applied Mathematics              | Dr. Somsak Orankitjaroen<br>Email: <a href="mailto:somsak.ora@mahidol.ac.th">somsak.ora@mahidol.ac.th</a>   |
| 3.  | Biochemistry                     | Asst. Prof. Danaya Pakotiprapha<br>Email: <a href="mailto:danaya.pak@mahidol.ac.th">danaya.pak@mahidol.ac.th</a>  |
| 4.  | Biotechnology                    | Asst. Prof. Siripong Thitamadee<br>Email: <a href="mailto:siripong.thi@mahidol.ac.th">siripong.thi@mahidol.ac.th</a>  |
| 5.  | Biology / Environmental Biology* | Asst. Prof. Metha Meetam<br>Email: <a href="mailto:metha.mee@mahidol.ac.th">metha.mee@mahidol.ac.th</a>   |
| 6.  | Microbiology and Immunology      | Asst. Prof. Padungsri Dubbs<br>Email: <a href="mailto:padungsri.vic@mahidol.ac.th">padungsri.vic@mahidol.ac.th</a>  |
| 7.  | Pathobiology                     | Dr. Pornthip Chaichompoo<br>Email: <a href="mailto:pornthip.chh@mahidol.ac.th">pornthip.chh@mahidol.ac.th</a>   |
| 8.  | Pharmacology                     | Assoc. Prof. Nathawut Sibmooh<br>Email: <a href="mailto:nathawut.sib@mahidol.ac.th">nathawut.sib@mahidol.ac.th</a>  |
| 9.  | Physics                          | Asst. Prof. Malliga Suewattana<br>Email: <a href="mailto:malliga.sue@mahidol.ac.th">malliga.sue@mahidol.ac.th</a>   |
| 10. | Physiology /Exercise Physiology* | Asst. Prof. Witchuda Sangsawang<br>Email: <a href="mailto:witchuda.san@mahidol.ac.th">witchuda.san@mahidol.ac.th</a><br>Asst. Prof. Ratchakrit Srikuea<br>Email: <a href="mailto:ratchakrit.sri@mahidol.ac.th">ratchakrit.sri@mahidol.ac.th</a> |

|     |   |   |
|-----|---|---|
| 11. | Chemistry / Polymer Science and Technology* | Assoc. Prof. Pasit Pakawatpanurut<br>Email: <a href="mailto:pasit.pak@mahidol.ac.th">pasit.pak@mahidol.ac.th</a><br>Assoc. Prof. Panya Sunintaboon<br>Email: <a href="mailto:panya.sun@mahidol.ac.th">panya.sun@mahidol.ac.th</a> |
| 12. | Plant Science                               | Asst. Prof. Aussanee Pichakum<br>Email: <a href="mailto:aussanee.pic@mahidol.ac.th">aussanee.pic@mahidol.ac.th</a>  |
| 13. | Materials Science and Engineering           | Asst. Prof. Toemsak Srihirin<br>Email: <a href="mailto:toemsak.sri@mahidol.ac.th">toemsak.sri@mahidol.ac.th</a>   |
| 14. | Forensic Science                            | Dr. Achirapa Bandhaya<br>Email: <a href="mailto:achirapa.ban@mahidol.ac.th">achirapa.ban@mahidol.ac.th</a>  |
| 15. | Toxicology                                  | Dr. Porntipa Korprasertthaworn<br>Email: <a href="mailto:porntipa.kor@mahidol.ac.th">porntipa.kor@mahidol.ac.th</a>   |

\*Department selects only one program to receive the scholarship.

3) Program Director in conjunction with Program Committee is required to nominate the potential candidate and submit his/her application forms along with the required documents to Office of International Cooperation, MUSC, for further process well in time about the scholarship approval an agreement signing preparation.

4) For more information and further detail requirements, applicants are strictly required to contact the scholarship coordinator as the address given below:

Office of International Cooperation  
Faculty of Science, Mahidol University  
272 Rama 6 Rd., Phayathai, Ratchathewi  
Bangkok 10400, Thailand  
Tel: +66 (0) 2201 5073, 5030, 5070  
Email: [scd dean8@mahidol.ac.th](mailto:scd dean8@mahidol.ac.th)  
Coordinator: Mr. Sethavudh KAEWVISET/ Ms. Rungrat SURIYIN