Faculty of Environment and Resource Studies, Mahidol University
“True success is not in the learning, but in its application to the benefit of mankind.”
Message from the Dean
Faculty of Environment and Resource Studies, Mahidol University

“To The Advancement of Environmental Science, And To The Peace for Mankind This Faculty is Dedicated.”

U. Bhaktikul
(Associate Professor Dr. Kampanad Bhaktikul)
Dean, Faculty of Environment and Resource Studies, Mahidol University
General Information
Mission

1. To improve the quality of education, research and academic services on matters pertaining to environment and resources
2. To foster morality and ethics in the personnel and the students

Vision

To be a leading institution for education, research and academic services with an integrated multidisciplinary approach for the environmental and resource sustainability

Core Value

Education with an emphasis on learning and social responsibility as well as employee appreciation

Core Competency

Leading institution for the integration and application of knowledge on environment and resources
Table of Contents
<table>
<thead>
<tr>
<th>Page</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Message from the Dean</td>
</tr>
<tr>
<td>7</td>
<td>General Information</td>
</tr>
<tr>
<td>10-11</td>
<td>List of Executives as of 2018</td>
</tr>
<tr>
<td>13</td>
<td>History</td>
</tr>
<tr>
<td>15</td>
<td>Organizational Structure</td>
</tr>
<tr>
<td>16</td>
<td>Outstanding Activities</td>
</tr>
<tr>
<td>25</td>
<td>Faculty and Students’ Awards and Honors</td>
</tr>
<tr>
<td>30</td>
<td>General Information</td>
</tr>
<tr>
<td>33</td>
<td>Strategy 1 Excellence in Research, Academic Services and Training</td>
</tr>
<tr>
<td>51</td>
<td>Strategy 2 Excellence in Education</td>
</tr>
<tr>
<td>59</td>
<td>Strategy 3 Providing Guidance on Environmental Conservation</td>
</tr>
<tr>
<td>73</td>
<td>Strategy 4 Development of Participative Organizational Management</td>
</tr>
<tr>
<td>81</td>
<td>Strategy 5 Managing and Building a Happy Learning Organization</td>
</tr>
</tbody>
</table>
List of Executives as of 2018

**Dean**
Associate Professor Dr. Kampanad Bhaktikul

1. **Deputy Dean for Policy Plan and Finance**
   Assistant Professor Dr. Acharaporn Kumsopa

2. **Deputy Dean for International Relations and International Standards**
   Associate Professor Dr. Sayam Aroonsrimorakot

3. **Deputy Dean for Academic Affairs and Student Affairs**
   Associate Professor Dr. Rattanawat Chaiyarat

4. **Deputy Dean for Research Administration, Academic Services and Information Technology**
   Associate Professor Dr. Sura Pattanakiat

5. **Assistant Dean for Academic Affairs and Student Affairs**
   Dr. Gunn Panprayun

6. **Assistant Dean for Human Resources**
   Dr. Werachat Chatpanyacharoen

7. **Assistant Dean for Quality Development and Knowledge Management**
   Assistant Professor Dr. Kobkaew Manomaipiboon
Advisors to the Dean

8. Assistant Professor
Dr. Sittipong Dilokwanich

9. Associate Professor
Rungjarat Hutacharoen

10. Associate Professor
Usanee Uyasatian

11. Associate Professor
Dr. Charlie Navanugraha

12. Assistant Professor
Luepol Punnakanta

13. Assistant Professor
Mr. Jan T.L. Yap

14. Associate Professor
Dr. Sansanee Choowaew

15. Associate Professor
Dr. Chumlong Arulertaree
1973
The Environmental Education and Research Project was established under the permission of Mahidol University under the direction of Associate Professor Dr. Nart Tuntawiroon, having its location on the 3rd Floor, 72nd Anniversary Building at Siriraj Hospital, currently housing the Department of Transfusion Medicine, Faculty of Medicine Siriraj Hospital.

1976
The Project was relocated to the new office on the sixth floor of Ratchasupamit Hotel, Lanluang Road, Bangkok, with the support from the Ford Foundation.

1977
The Environmental Education and Research Project established in 1973 was developed into the Faculty of Environment and Resource Studies, in accordance with the Announcement of the Office of the Prime Minister on the organization of the government of Thailand and the academic divisions of Mahidol University, issued on 30 January, 1978 (From Royal Thai Government Gazette Volume 95, Part 18, issued on 14 February, 1978).

1983
The faculty headquarters was hither to relocated from the Ratchasupamit Hotel to the Faculty of Environment and Resource Studies Building, Salaya, Nakhon Pathom
The faculty’s new building was constructed, with the support from the government of Thailand, for which Her Royal Highness Princess Maha Chakri Sirindhorn addressed the audience of dignitaries at the Foundation Stone Laying Ceremony on 3 October, 2006, and was graciously bestowed the name “Badhanatula Environment Building”, which means the building that induces the inspiration for environmental development on 4 August 2007 Her Royal Highness Princess Maha Chakri Sirindhorn also presided over the opening ceremony of the building On 26 June, 2009.

The Center for Educational, Research, Environment and Natural Resources Technology Transfer for Integrated River Basin Management in Northern Areas was established.
Faculty of Environment and Resource Studies, Mahidol University

RESEARCH AND TRAINING CENTER
1. Wetland Management Research and Training Center
2. Eco Industry Research and Training Center
3. Geo-Informatics in Resource and Environment Research and Training Center
4. Wildlife and plant conservation Research and Natural History Museum Center
5. Education, Research and Environment and Natural Resources Technology Transfer Center for Integrated Water Resource Management in the Northern Region Area
6. * Research and Training Center of Tree-Ring and Climate Change
7. * Centre for Regional Studies on Technology, Innovation and Cultural Environment
8. * Environment and Health Assessment Center
9. * Environmental Restoration Technology Research and Training Center
10. * Environmental Innovation Technology Research and Development Center
11. * Research, Assessment and Certification of Environmental Management Standard Center
12. * Establishment of Research and Development of Environmental Model Center Project
13. *Learning, Research and Technology Transfer for a Livable City and Sustainable Environment Management

* Refer to department/center/project that has been approved within the internal office by faculty committee.
17 October 2017, The executives, together with the staff of the Faculty of Environment and Resource Studies, performed “a group singing for Dad” to express their deep condolences and loyalty to the late King Phra Bat Somdetch Phra Paramindra Maha Bhumibol Adulyadej Mahitala Dhibesra Rama Dhibodi Chakri Naribodindra Sayamindra Dhiraj Barommanath Bobitra, with the utmost gratitude and remembrance for the beloved King’s grace and virtue.
13 November 2017, Assoc. Prof. Dr. Kampanad Bhaktikul delivered a special lecture on “Water Management in Southeast Asia While Coping with Climate Change”, and participated in a study visit at the Daecheong Multi-Purpose Dam in Daejeon City, South Korea, as part of the training on “Water Resources Development and Management”, organized by Korea Water Resources Corporation (K-Water) in collaboration with Thailand International Cooperation Agency (TICA) and Korean International Cooperation Agency (KOICA).

17 November 2017, Professor Dawen Yang in Hydraulic Engineering and Professor Zhang Yan, Deputy Director of Graduate Admission Officer from Tsinghua University, People’s Republic of China, visited the faculty and discussed the possibility in developing a partnership agreement and conducting joint academic activities such as student exchange and collaborative research in the future.

30 November 2017, A group of executives and staffers from Guangdong Academy of Agricultural Sciences (GDAAS), People’s Republic of China, led by Professor Ai Shaoying [Deputy Director] the Agriculture Section Royal Thai Consulate-General Guangzhou, along with Ms. Pathumwadee Imtour, Consul (Agricultural) and Ms. Pathumwadee Imtour [Consul, Agricultural] and Ms. Saowanit Pongprapai [Planning and International Affairs Consultant], along with a research and staff members from Highland Research and Development Institute (Public Organization), took part in a study visit to learn about low carbon community research and development as well as an exchange of ideas about the international relations and international standards administration.
19 December 2017, The signing ceremony of the Agreement on Cooperation and Student Exchange between Mahidol University and Shanghai Jiao Tong University, People’s Republic of China, at Mahidol University Office of the President.

28 December 2017, Director of Regional Environmental Office together with officers participated in a discussion about research conduct and a development of water quality monitoring standards in villages.

27 December 2017, Assoc. Prof. Shimpei Iwasaki, from Department of Environmental Science, International College of Arts and Sciences, Fukuoka Women’s University, Japan, visited the Faculty of Environment and Resource Studies and discussed a possibility in establishing a joint academic partnership agreement in research and student exchange.

17 January 2018, Professor Shen Yu, Professor Shen Yu, Senior Scientist and Executive Director of Institute of Urban Environment, Chinese Academy of Sciences, China, visited the faculty, along with Dr. Monthip Sriratana, Director of Climate Change Research Strategies Center, National Research Council of Thailand (NRCT), to participate in a discussion about the collaborative research proposal on the topic “Environment Based Economics Planning at a Watershed Scale” and preliminary details concerning the possibility of establishing academic collaborations between the two organizations in the future.
24 January 2018, The Faculty of Environment and Resource Studies organized an activity called “Meet the Dean” where the faculty’s executives had a chance to meet with the staff. In this regard, Assoc. Prof. Dr. Kampanad Bhaktikul along with the executives gave the presentations on the strategy steering policies of the faculty and Mahidol University as well as the academic activities conducted in the previous year and the future development plan.

21 February 2018, The closing ceremony of the “MU-NU Spring Training Program 2018”, held during 19 February - 9 March, 2018, was participated by 7 undergraduate students from the Faculty of Environmental Science, Nagasaki University, Japan and 21 undergraduate students from the faculty’s Bachelor of Science Program in Environmental Science and Technology (ES) under the supervision of Lect. Dr. Chulaporn Kamnerdpetch, Director of the Training Program and Faculty Member, together with Prof. Dr. Hideki NAKAYAMA and Assoc. Prof. Dr. Masafumi IIMA, supervising lecturers from Nagasaki University.

22 February 2018, a special lecture on the topic “Water Resources Management” was given to the students participants in the “MU-NU Spring Training Program 2018”, as well as the faculty’s graduate students, lectures and interested persons, by Assoc. Prof. Dr. Kampanad Bhaktikul.
13 March 2018, a group of teachers and students from the Buranarumluk School in Trang Province, participated in a study visit to learn about the faculty’s curriculums and environmental laboratory. The group also had an opportunity to take part in the demonstration of basic water quality measurements, geographic information and unmanned aerial vehicle, including a special presentation on environmental innovation by Lect. Dr. Narin Boontanon.

22 March 2018, The 5th Satra Methee Dr. Pongpit Piyapong Special Speech Day on the occasion of World Water Day 2018 on the topic “Biodiversity Crisis and Threats to Thailand’s Natural Resources and Environment”, organized to transfer the knowledge about natural conservation to the faculty’s lecturers, staff, students and interested persons.
26 – 29 April 2018, Assoc. Prof. Dr. Kampanad Bhaktikul, together with Lect. Dr. Noppol Arunrat, participated as speakers in a special talk on “Lanchang-Mekong Climate Change Adaptation” at the invitation of School of Environmental Science and Engineering, Shanghai Jiao Tong University, People’s Republic of China, as well as the discussion about the academic partnership agreement in a sandwich program development with the executives of School of Environmental Science and Engineering, Shanghai Jiao Tong University, People’s Republic of China.

3 May 2018, the director of the Mahidol University National Doping Control Center and its representatives participated in a discussion about possible academic partnership and joint research projects between the faculty and the center.

18 June 2018, Mr. Kyaw Saw Han and Ms. Shwe Yee Tun Aung Country Manager from Prospect Burma (PB), the Republic of the Union of Myanmar, paid a visit to the faculty and discussed the possibility in a development of a memorandum of understanding in offering scholarships to the Myanmar students in the PB projects who are interested in studying in the faculty’s Master’s and PhD programs.

20 June 2018, a group of representatives from the Southeast Asian Ministers of Education Organization, Regional Tropical Medicine and Public Health Network (SEAMEO TROPMED Network) participated in a discussion and request an interview with the faculty about the project activity evaluation conducted by the Thailand One Health University Network – THOHUN.
29 June 2018, The representatives from the Geo-Informatics and Space Technology Development Agency [Public Organization] participated in a meeting to discuss the draft of the memorandum of understanding in the collaboration in research and academic services relating to geo-informatics and space technology between the agency and Mahidol University.

2 July 2018, Lect. Dr. Narin Boontanon, an academic staff of the Faculty of Environment and Resource Studies, did a presentation of his innovation "The Wind Turbine Reversing Blade" and "Waste to Worth: Electric generation from wind stack coupling with CO₂ caption", as part of the CEO FORUM : Electricity R & l Challenges in the 21st Century", organized by the National Research Council of Thailand (NRCT) in collaboration with the Electricity Generating Authority of Thailand (EGAT), the Metropolitan Electricity Authority (MEA), Provincial Electricity Authority (PEA) and The Federation of Thai Industries (FTI), at World Ballroom, 23rd Floor, the Centara Grand & Bangkok Convention Centre at Central World, Bangkok.

2 August 2018, Assoc. Prof. Dr. He Man from the School of Journalism and Communication, Hebei University, People’s Republic of China, came to perform academic tasks as a visiting professor at the faculty with the Scholarship for Visiting Professors or Scholars to Work at Mahidol University 2018 during 1-30 August 2018.

The recipients of the “Environmental Conservation Mother Award 2018” received certificates from Her Royal Highness Princess Soamsavali on the occasion of Mahidol-Mother’s Day at Office of the Preident, Mahidol University.
7 August 2018, a group of students from the school of Hydraulic Engineering, Tsinghua University, People’s Republic of China, paid a study visit to the faculty and participated in a presentation the faculty’s research work and the introductions of research and training centers of the two institutions. The visit was organized to pave a step toward a possibility in a development of a mutual collaboration agreement in the future.

11 August 2018, Lect. Dr. Noppol Arunrat, along with the working committee, took a group of lecturers and graduate students from the School of Environmental Science, Shanghai Jiao Tong University, People’s Republic of China, on a fieldtrip to collect the water samples from a spot near the Tha Chin River at the Pak Khlong Makham Thao Temple in Chainat Province. The trip is part of the 2018 Shanghai Jiao Tong University Global Challenge Program, organized by the Faculty of Environment and Resource Studies, Majidol University and Shanghai Jiao Tong University, People’s Republic of China, during 11-16 August 2018.
22 August 2018, a special panel discussion entitled “Tham Luang Cave: Multiple Dimensions and Myriad of Experiences” was organized and participated by Assoc. Prof. Dr. Nathsuda Pumijumpong, Lecturer Chaiyaporn Siripaiboon, Lecturer Anukul Sornake and a representative from the “Tor Sing Team”, Banpaew, Samutsakorn Province.

17 September 2018, a group of representatives from the Urban Youth Academy (UYA) and Asia Pacific Youth Exchange (APYE), led by Mr. Hyoungmin Kim, meet with the dean and paid a visit the Faculty of Environment and Resource Studies, Mahidol University.

26 September 2018, a special talk on the topic “Beliefs in Salaya Area and Faith Building in Environment Related Work”, given by Prof. Dr. (Renown) Poonpit Amarttayakul, M.D., Prof. Dr. Debhanom Muangman, M.D, and Sub-Lt. Phanom Yongjaiyuth.
Faculty and Students’ Awards and Honors
### International Level

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Students</th>
<th>Awards</th>
<th>Organizer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lect. Dr. Narin Boontanon</td>
<td>Ms. Jiraporn Kongkasem</td>
<td>Bronze Medal Award from the work entitled “Alternative energy in household using used vegetable oil”</td>
<td>Seoul International Invention Fair 2018</td>
</tr>
<tr>
<td></td>
<td>Ms. Natsuda Kampa</td>
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<tr>
<td>Mr. Rawat Yimvilai</td>
<td>Mr. Peerawit Singto</td>
<td>Gold Medal Award and Special Award (Iran) from the work entitled “Waste to Worth: Small Gasifier system for Electricity Generation using Biomass for Electricity Shortage Area”</td>
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### National Level

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Students</th>
<th>Awards</th>
<th>Organizer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lect. Dr. Narin Boontanon</td>
<td>Ms. Nun Samadee, Ms. Natsuda Kampa</td>
<td>Silver Medal Award from the work entitled “Reducing Carbon dioxide in Poor Air Quality Using High Electrical Field”</td>
<td>The National Research Council of Thailand (NRCT)</td>
</tr>
<tr>
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</tr>
<tr>
<td>Ms. Jiraporn Kongkasem</td>
<td></td>
<td>Silver Medal Award from the work entitled “Alternative energy in household using used vegetable oil”</td>
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<tr>
<td>Ms. Kullaya Wannawat, Ms. Wongwaree Kanchanakhundee</td>
<td></td>
<td>Silver Medal Award from the work entitled Semi-Automatic Dissolved Oxygen Meter</td>
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<tr>
<td>Mr. Rawat Yimvilai</td>
<td></td>
<td>Silver Medal Award from the work entitled “Electric Generation from Wind Stack Coupling with CO₂ Caption”</td>
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<tr>
<td>Mr. Rawat Yimvilai, Mr. Peerawit Singto, Ms. Natsuda Kampa</td>
<td></td>
<td>Frist Runner-up Winner from the innovation entitled “Solid Waste Management at the Source and Household Organic Waste Disposal”</td>
<td>Department of Environmental Quality Promotion</td>
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</tr>
<tr>
<td>Faculty</td>
<td>Students</td>
<td>Awards</td>
<td>Organizer</td>
</tr>
<tr>
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<td>---------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Lect. Dr. Rattana Boonprasert</td>
<td>Mr. Nathawat Pongkhunatham Mr. Patipun Nontasin Mr. Pollapat Tonyoochok</td>
<td>First Place Winner at the Innovation Business Contest in Economics as part of the event called “UAV Startup 2018” on the topic “Unmanned Aerial Vehicle Innovation for Fruit Bio Stimulant Spraying for Export Purposes”</td>
<td>Geo-informatics and Space Technology Development Agency (Public Organization) [GISTDA]</td>
</tr>
<tr>
<td>Assoc. Prof. Dr. Kanchana Nakhapakorn</td>
<td>-</td>
<td>First Place Winner at the Innovation Business Contest in Economics as part of the event called “UAV Startup 2018” on the topic “Unmanned Aerial Vehicle for Closed Shrimp Production System Using Biology Principles”</td>
<td>Ministry of Natural Resources and Environment</td>
</tr>
<tr>
<td>Name</td>
<td>Award</td>
<td></td>
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<tr>
<td>Mr. Patipan Nonthasin, a student in the Bachelor of Science Program in Environmental Science and Technology, Batch 22, Academic Year 2015</td>
<td>A winner of 2nd Runner-up Award from the men and women’s double-handed fencing competition in Kasetsart Open in 2018</td>
<td></td>
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</tr>
<tr>
<td>Ms. Sarunya Pakdeewut, a student in the Master of Science Program in Technology of Environmental Management, Batch 10, Academic Year 2015</td>
<td>A winner of the 51st Education and Scientific Research Award in 2018 Type 3, Outstanding Academic Performance Award at Master of Science Level, Honor Roll Pin and a certificate of graduation issued by the foundation upon the completion of the Master of Science Program (M.Sc.) in every study field from the education establishments in Thailand in 2017 with the highest academic achievement in the study field and research work results qualified for graduation such as proceedings, publications in national or international journals, petty patents, or patents. The award was given by the executive committee of the Prof. Dr. Tab Nilaniti Foundation.</td>
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</tr>
<tr>
<td>Ms. Praeploy Kongsuraka, a student in the Master of Science Program in Appropriate Technology and Innovation for Environmental Security, Batch 4, Academic Year 2016</td>
<td>A winner of Outstanding Award in Oral Presentation at the 5th National Meeting on Biodiversity Management in Thailand from the work entitled &quot;Body condition, and activity pattern of banteng (Bos javanicus d’Alton, 1823) after reintroduction in Salakphra Wildlife Sanctuary, Kanchanaburi province&quot;, organized by National Science and Technology Development Agency, Prince of Songkla University and Suratthani Rajabhat University, as part of the 5th National Meeting on Biodiversity Management in Thailand.</td>
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</tr>
<tr>
<td>Ms. Pimchana Baramee, a student in the Bachelor of Science Program in Environmental Science and Technology, Batch 22, Academic Year 2015</td>
<td>A selected participant in the project entitled “2018 Young Southeast Asian Leaders Initiative (YSEALI)” together with the selected youth participants in Thailand and other ASEAN countries for the creation of regional network and the enhancement of leadership skills in ASEAN youth. The project was held at University of Hawaii, USA</td>
<td></td>
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</tr>
<tr>
<td>Ms. Natsuda Hinsoongnern, a student in the Bachelor of Science Program in Environmental Science and Technology, Batch 22, Academic Year 2015</td>
<td>A recipient of a Good Behavior Award Certificate in 2018 issued by the Buddhist Association of Thailand for the student’s public awareness, social responsibility, consistent involvement with good-naturedness in the faculty and university’s activities, beneficial contributions to the society and the public with good role model qualities for the youth.</td>
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<tr>
<td>Name</td>
<td>Award</td>
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</tr>
<tr>
<td>Asst. Prof. Dr. Thunwadee Srithawirat, a Bachelor of Science Program in Environmental Science and Technology alumni, Batch 1, Academic Year 1993</td>
<td>A recipient of Outstanding Person Award in the field of outstanding research publication with international-level research results with the highest citation index. The award was issued by the Faculty of Science and Technology, Pibulsongkram Rajabhat University</td>
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</table>
### General Information

Information on the student enrolment rate, the total number of students categorized by the programs offered as of September 2018

<table>
<thead>
<tr>
<th>Programs</th>
<th>Total Number (Person)</th>
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<tbody>
<tr>
<td></td>
<td>Thai Student</td>
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<tr>
<td><strong>Bachelor’s Degrees</strong></td>
<td></td>
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<tr>
<td>Environmental Science and Technology</td>
<td>357</td>
</tr>
<tr>
<td>Environmental Science International</td>
<td>15</td>
</tr>
<tr>
<td><strong>Master’s Degrees</strong></td>
<td></td>
</tr>
<tr>
<td>Technology of Environmental Management</td>
<td>59</td>
</tr>
<tr>
<td>Technology of Environmental Management [Special Program]</td>
<td>60</td>
</tr>
<tr>
<td>Appropriate Technology and Innovation for Environmental Security</td>
<td>5</td>
</tr>
<tr>
<td>Appropriate Technology and Innovation for Environmental Security [Special Program]</td>
<td>3</td>
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</tbody>
</table>
### Programs

<table>
<thead>
<tr>
<th>Program</th>
<th>Thai Student</th>
<th>Inter Student</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Livable City Management and Environmental Sustainability</td>
<td>12</td>
<td>-</td>
<td>12</td>
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<tr>
<td>Livable City Management and Environmental Sustainability (Special Program)</td>
<td>18</td>
<td>-</td>
<td>18</td>
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<tr>
<td>Environmental Management and Technology (International)</td>
<td>9</td>
<td>14</td>
<td>23</td>
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### Doctoral Degree Program

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<th>Number (Person)</th>
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<tr>
<td>Environment and Resource Studies</td>
<td>22</td>
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**Total**

<table>
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<tr>
<th></th>
<th>Thai Student</th>
<th>Inter Student</th>
<th>Total</th>
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<tbody>
<tr>
<td></td>
<td>560</td>
<td>20</td>
<td>580</td>
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### Personnel

<table>
<thead>
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<th>Type</th>
<th>Number (Person)</th>
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<tr>
<td>Academic Personnel</td>
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<tr>
<td>Support Personnel</td>
<td>87</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>145</strong></td>
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**Information on Academic Personnel with Academic Title**

<table>
<thead>
<tr>
<th>Academic Title</th>
<th>Number (Person)</th>
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<tbody>
<tr>
<td>Associate Professor</td>
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<tr>
<td>Assistant Professor</td>
<td>17</td>
</tr>
<tr>
<td>Lecturer</td>
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<tr>
<td>Researcher</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>58</strong></td>
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### The Number of Senior Professional Level Personnel (Person)

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<th>Number</th>
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</tr>
<tr>
<td>2562</td>
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</tr>
</tbody>
</table>
Excellence in Research, Academic Services and Training

Outstanding Research and Innovation

Faculty of Environment and Resource Studies has developed a management system that encourages and supports the operations relating to research, academic services and training with efficiency and consistency. In Fiscal Year 2018, the overall academic achievements of the faculty are listed as follows:

Environment and Natural Resources Journal (EnNRJ)

The Environment and Natural Resources Journal is a periodical under the supervision of the Faculty of Environment and Resource Studies, Mahidol University with Assoc. Prof. Dr. Benjaphorn Prapagdee as the Editor. The journal is the first Mahidol University-affiliated periodical and the third one that was selected and accepted for the inclusion in the Scopus database through a special track in the project entitled "The Development of
Thailand’s Journal Quality for the Inclusion in Scopus Database™ with the support of the Thai-Journal Citation Index (TCI) Centre, the Thailand Science Research and Innovation (TSRI) and Scopus.

At present, the journal operates in accordance with the journal management system standards by increasing the yearly publication volumes (4 volumes/year, starting in 2019) and adjusting the operational process to facilitate its transformation into an exclusively e-journal, simultaneously in preparation for the application for inclusion in the Web of Science Core Collection.

Currently, the journal is indexed in a number of national and international databases as follows:
1. Thai-Journal Citation Index Center (TCI)
2. ASEAN Citation Index (ACI)
3. Directory of Open Access Journals (DOAJ)
4. EBSCOhost
5. Clarivate Analytics consisting of 3 databases: 1) BIOSIS Preview 2) Biological Abstracts 3) Zoological Record
6. SCOPUS (Elsevier)

Outstanding 2018 Editor’s Certificate
Assoc. Prof. Dr. Benjaphorn Prapagdee and the Environment and Natural Resources Journal work group received a 2018, Editor’s Certificate for the inclusion of the journal in the Scopus indexing through a special track as part of the Development of Thailand University’s Journal Quality and Citation for International Database Inclusion.
Discovery of 2 new plants for Thailand’s enhancement of natural capital and the future natural resources studies

Asst. Prof. Dr. Thammarat Putthai, Faculty of Environment and Resource Studies, Mahidol University, has continuously been engaged in the study of the flora of Thailand closely with Dr. Ching-I Peng and Mr. Che-Wei Lin from Academia Sinica, Taiwan, with a focus on the plants in Begonia Family or commonly known as Begonia. The continuous research on the topic ultimately led to the discovery of the new plant called Begonia fulgurata that was later published in the Blumea, a leading international botany journal. The new plant was discovered by the research team in a montage forest, located 1,000 meters above sea level. The Begonia fulgurata is a plant with one of the most beautiful leaves among those in the same group, with its spider web-like veins and midribs. Its outstanding features are deemed the gem of the forest, and also susceptible to changes in the environmental surrounding, which could be used an excellent indication of climate change.

Moreover, a consistent study of plants in the limestone mountain areas, especially in Western Thailand with Dr. Carmen Puglisi, a botanist from Singapore specializing in African Violet in the botanical ornamental plant group, led to a co-authored publication on another newly discovered plant in the most recent volume of the Edinburgh Journal of Botany, as part of an ecological project and the Elephas maximus population in the Phu Luang Wildlife Sanctuary and the Phu Khieo Wildlife Sanctuary.

The project contributed to an application of the information to the development of management and conservation plan as well as a proper process to reduce the impacts of the conflicts between wild elephants and villagers. The project also paved the way for the local policy-making level agencies and pertinent organizations such as government officers, community leaders and academicians to utilize the knowledge and establish the guidelines for the land restoration for the wild elephant habitats to sustainably mitigate the ecological impacts caused by the wild elephants and human conflicts.
Research and Research Service Funding per Academic Staff*: Administration Term 2008-2019

International Publication per Academic Staff*: Administration Term 2004-2019

International Publication categorized according to Journal Quartile Score: Calendar Year 2014-2018
Citation per International Publication*: Calendar Year 2015-2018

Overall International Research Performance 2015-2018

Overall International Research Performance 2015-2018

134
number of publications by researchers of Faculty of Environment and Resource Studies, Mahidol University
SciVal: Publications by Subject Area 2015-2018

SciVal: Scopus database only

Environment and Natural Resources Journal: EnNRJ
Academic Service Center

Assoc. Prof. Dr. Kampanad Bhaktikul
1. Funding Source Government Budget Mahidol University
   - Project in Honor of His Majesty the King on Research and Development of Low Carbon and Sustainable Community
2. Funding Source Department of Irrigation
   - Landscape Architecture and Development Project In the Area of Irrigation Department, Pak Kret, Nonthaburi
3. Funding Source Thailand Professional Qualification Institute (Public Organization)
   - Development of Occupational Standards In Biological Technology

Assoc. Prof. Dr. Kitikorn Charmondusit
1. Funding Source Thailand Research Fund
   - Project on The Study of Solid Waste and Wastewater Impacts in Aranyaprathet, Sra Kao
   - Sustainable City Research Project
Assoc. Prof. Dr. Ratanawat Chaiyarat

1. Funding Source Government Budget Mahidol University
   - Wildlife Ecology and Reintroduction Program
   - Project on Population Demography, Ecology and Dispute Resolution Guideline Concerning the Conflict between Elephas maximus and Residents in Phu Luang Wildlife Sanctuary, Chaiyaphum and Loey

Assoc. Prof. Dr. Sayam Aroonsrimorakot

1. Funding Source Thailand Post Co., Ltd.
2. Funding Source Udon Thani Industry Office
   - In-Depth Consultation Project for Business Establishments for the Movement towards Green Industry in Udon Thani

Assoc. Prof. Dr. Sura Pattanakiat

1. Funding Source Research University Network (RUN), Energy Cluster
   - Drone Development for Waste Disposal Area Management
2. Funding Source Natural Resources and Environmental Policy and Planning
   - Project on the Enhancement of Management Competency for Watershed Classification

Dr. Gunn Panprayun

1. Funding Source The Thailand Research Fund (TRF)
   - Project on the Development of Solar Powered Boat for Coral Reef Tourism
2. Funding Source Government Budget Mahidol University
   - Efficiency of Solar Greenhouse Dryer for Drying Water Hyacinth (Eichhornia crassipes)

Assoc. Prof. Dr. Sansanee Chuwaew

1. Funding Source USGS Patuxent Wildlife Research Center
   - Project on the Measurement, Data Collection and Monitoring of Surface Changes (SET)

Assoc. Prof. Dr. Suvaluck Satumanatpan

1. Funding Source Marine and Coastal Resources Research and Development Center, Eastern Gulf of Thailand
   - Survey project on the Social and Economic Uses of Marine and Coastal Resources in the Coastal Community of Mueang Trat District

Assoc. Prof. Dr. Nathsuda Pumijumnong

1. Funding Source National Research Council of Thailand
   - Development of Motivation Mechanism of GHG Emission Mitigation from Rice Field: Integrated Assessment of a case Study in Phichit
2. Funding Source The Thailand Research Fund (TRF)
   - Estimation of the Impact of Climate Variability on Corn Production for Animal Husbandry/Seed stock and Integrated Farming. A Case Study in Mae Chaem Watershed, Chiang Mai
3. Funding Source Government Budget Mahidol University
   - Estimation of Future Rice Production in Thailand, with the use of EPIC Model

Asst. Prof. Dr. Thamarat Phutthai
1. Funding Source Newton fund
   - Discovery of the World’s New Plant: Begoniaceae In Limestone Forest along the Tenasserim Range in Thailand
2. Funding Source Biodiversity-based Economy Development Office [Public Organization]
   - Survey Project on Diversity and Herbal Wisdom for Community Health in Nakhon Sawan, Uthaithani and Kanchanaburi

Asst. Prof. Dr. Kulvadee Kansuntisukmongkol
1. Funding Source PTT Public Company Limited
   - Research Project on Database for Environment and Community For Sustainable Forest Planting Project by PTT in Wang Chan Areas

Asst. Prof. Dr. Nuanchan Singkran
1. Funding Source Government Budget Mahidol University
   - Analysis of the Circulation of Substances and Ecological Competence In the Chao Phraya Watershed

Dr. Kamalaporn Kanongdate
1. Funding Source BMW Manufacturing [Thailand] Co., Ltd.
   - Restoration of Biodiversity at BMW site, Rayong Province, Thailand
2. Funding Source Government Budget Mahidol University
   - Biodiversity Restoration in in the Single Plant Ecology A Case Study of Typha Angustifolia

Dr. Ratchaphong Klinsrisuk
1. Funding Source The Thailand Research Fund (TRF)
   - Evaluating Value for Money of Alternative Public Private Partnership for Pak Bara Port Management Effectiveness
   - Standard Enhancement Operation Plan for Thai Coffee to Increase Competitive under the Framework Agreement on the Facilitation of Goods in Transit
   - Project on the Analysis of Supply Chain Management Efficiency

Dr. Paramita Punwong
1. Funding Source The Thailand Research Fund (TRF)
   - The Relation among Ecological Systems, Sea levels and Societies in the Upper Regions of the Gulf of Thailand in the the Holocene Epoch : Understanding the Past for the Adjustment to the Future Sea-Level Rise
Dr. Boonlue Kachenchart
1. Funding Source Government Budget Mahidol University
   - Plant Materials for Low-maintenance Green Roof to Conserve Energy and Reduce Carbon Footprint
2. Funding Source The Department of Environmental Quality Promotion
   - Nitrification Inhibition Capability in Field Condition of Native Thai Rice Varieties

Asst. Prof. Luepol Punnakanta
1. Funding Source Provincial Electricity Authority (PEA)
   - Initial Environmental Examination of the Project on Power system Development for Island Areas (Koh Mak Noi, Phang Nga, Koh Por and Koh Hong, Krabi, Koh Lipe, Satun and Koh Lone, Phuket)
2. Funding Source Golden Jubilee Medical Center Mahidol University
   - Environmental Monitoring and Assessment Report Project at Golden Jubilee Medical Center, Mahidol University

Dr. Rattana Boonprasert
1. Funding Source National Research Council of Thailand
   - Development of Automatic Organic Compound Spraying Drone System for Mango Growth Promotion and Export
   - Development of Automatic Organic Compound Spraying Drone System for Mango Growth Promotion and Export

Dr. Sureewan Sittijanda
1. Funding Source Government Budget Mahidol University
   - Hydrogen and Methane Production though the Co-digestion of Algal Cell and Leftover Glycerol Discharged from Biodiesel Fuel Production

Asst. Prof. Dr. Preeyaporn Koedrith
1. Funding Source Government Budget Mahidol University
   - Mitigating Cadmium Accumulation in Contaminated Rice on Contaminated Soils With Biological Control
2. Funding Source National Research Council of Thailand
   - Reduction of bioavailable cadmium accumulation in rice plant growing in cadmium-contaminated soil using biological approaches

Dr. Pet Techara
1. Funding Source The Thailand Research Fund (TRF)
   - Simulation Project on the Evaluation of Environmental Impacts and Prevention Measures in Coal Preparation Plant
Dr. Harin Sachdev
1. Funding Source The Department of Environmental Quality Promotion
   - Project on Urban Environment and Green Areas for Sustainable Development in ASEAN Region
2. Funding Source University Income Office of President Mahidol University
   - Project on the Development of Strategic Alternatives Development and Low Carbon City Management Plan in Lampang in the Context of Sustainable Development and the Relation of Geosocial and Sufficiency Economy Philosophy

Dr. Noppol Arunrat
1. Funding Source Hokkaido University, Japan
   - Development of technology to control the emissions of greenhouse gases (methane) emitted from rice paddies in Thailand under climate change
2. Funding Source Biodiversity-based Economy Development Office [Public Organization] [BEDO]
   - Evaluation and comparison of environmental, economic and management aspects between individual and large scale farmers to alternative mitigation options

Dr. Sukanya Sereenonchai
1. Funding Source Biodiversity-Based Economy Development Office (PO)
   - Communication Strategies in the Drive toward Local Participatory Low Carbon Society

Dr. Suparee Boonmanunt
1. Funding source: Columbia Business School, NY, USA
   - Poverty and prosocial behavior

Dr. Allan Sriratana Tabucanon
1. Jointly work with Regional Environmental Office 5
   - Development of an integrated hydrological and water quality model for Khlong Jedi Bucha, Nakhon Pathom Province, Thailand

Dr. Chitsanuphong Pratum
1. Funding Source National Research Council of Thailand [NRCT]
   - Influence of High Organic substance Concentrations in Fermented Rice Noodle Factory Wastewater on Efficiency Waste Management of Vetiveria Zizanioides Nash and Cyperus Corymbosud Rottb
2. Funding Source Asia Research Center, Chulalongkorn University
   - The Effect of Soil Amendments on the Uptake of Cadmium by Rice

Dr. Piangjai Peerakiatkhajohn
1. The University of Queensland, Australia
   - Novel Photoelectrode for Simultaneous Hydrogen Production And Wastewater Treatment
Dr. Naphatsarn Phasukarratchai

1. Funding Source Professor Scholarship Mahidol University
   - Phase behavior and biofuel properties of waste cooking oil-alcohol-diesel blending by surfactant emulsification technique

Dr. Witchaya Rongsayamanont

RESEARCH INTEREST
   - Green technology and product for the remediation of marine oil spill
   - Combination between green chemistry and biotechnology for oil and gas exploration and production waste management
   - Green product development for household cleaning and environmental remediation

Assistant Lecturer Panuwat Prasertpong

Funding Source The Federation of Thai Industries
   - Project on “Carbon Foot Print Conduct Promotion in Industrial Sectors”
Excellence in Education

Faculty of Environment and Resource Studies aims to develop international standard based curriculum with emphasis on integrated multidisciplinary learning that focuses on students, encourage activities that provide support and development of students and produce quality graduates equipped with ethics and life skills, and develop an educational administration system and mechanism to be modernized, to enhance personnel capability and strengthen their capability of adaptability to change. This is to make the institution excellent in an integrated environmental and resource education.

Curriculum

Bachelor Programs (Bachelor of Science)
1. Environmental Science and Technology (ES)
2. Environmental Science (EV)
3. Natural Resources and Environmental Management [International Program] (NM) *being processed*
Master Programs (Master of Science)

4. Technology of Environmental Management (Regular/Special) [ET/ETS]
5. Appropriate Technology and Innovation for Environmental Security (Regular/Special) [AT/ATS]
6. Livable City Management and Environmental Sustainability (Regular/Special/Lampang campus) [LE/LES/LEN]
7. Environmental Management and Technology International Program (Regular/Special) [MT/MTS]
8. Environment and Philosophy Programs

Doctor of Philosophy Programs

Number of courses employing MOOCs or Blended learning

1. Lecturer Dr. Rattana Boonprasert
   Course name in Thai: ENGE 100 โลกและธรรมชาติ
   Course name in English: ENGE 100 Earth and nature
   Course name in Thai: สววส 457 การจัดการทรัพยากรสุวรรณภูมิ
   Course name in English: ENES 457 Watershed Resources Management
   Course name in Thai: สวทบ 636 ภูมิสารสนเทศ
   Course name in English: ENTM 636 Geoinformatics
   Course name in Thai: สวมส 621 เทคโนโลยีการสำรวจระยะไกลเพื่อการวางแผนการพัฒนาสิ่งแวดล้อม
2. Assistant Professor Dr. Piyakarn Teartisup
   Course name in Thai: สววส 362 ภูมิสารสนเทศสําหรับสิ่งแวดล้อม
   Course name in English: ENES 362 Geo-informatics for Environment

3. Lecturer Dr. Piangjai Peerakiatkhajohn
   Course name in Thai: สววส 352 เทคโนโลยีพลังงานทดแทน
   Course name in English: ENES 352 Renewable Energy Technology

4. Assistant Professor Dr. Thamarat Phutthai
   Course name in Thai: MOOC MU-013 การอนุรักษ์ความหลากหลายและการใช้ประโยชน์อย่างยั่งยืนของพรรณพืชป่าพื้นเมืองไทย
   Course name in English: MOOC MU-013 The conservation and sustainable use of native Thai plants

5. Assistant Professor Dr. Achara Ussawarujikulchhai
   Course name in Thai: สววส 221 การจัดการขยะมูลฝอย
   Course name in English: ENES 221 Solid Waste Management

6. Lecturer Dr. Monthira Yuttitham
   Course name in Thai: สวทน 704 หลักการประเมินเทคโนโลยีสิ่งแวดล้อม
   Course name in English: ENAS 704 Principles of Environment Technology Assessment

**Country of International Student Academic Year 2004 - 2018**

[Map showing 88 candidates from 33 countries]
Internationalization

MU-NU Spring Training Program 2018, Institute of Environmental Studies, Graduate School of Fisheries Science and Environmental Studies, Nagasaki University, 19 Feb – 9 Mar 2018, Dr. Chulaporn Kamnerdpetch

Summer School 2018, 9 projects in 6 countries: Republic of Indonesia, Lao People’s Democratic Republic, Socialist Republic of Vietnam, Federal Republic of Germany, Japan and People’s Republic of China

Scholarship for Student Mobility at Leibniz University of Hannover, Germany (1 Jun – 31 Aug 2018)

2018 YSEALI Regional Workshop: Protecting the Mekong Delta Environment, City of Can Tho, Vietnam (4 - 9 Jun 18)

“2018 Transdisciplinary Summer School on the Environment” Nagasaki University, Japan, 23 Jul – 30 Aug 18, Ms. Kanyapak Yamkayai, Ms. Parichad Tongam, Ms Pimchana Baramee, Ms. Jitchanok Montreemuk, Ms Chanoksuda Pongsawang and Mr. Patipun Nontasin, 3rd Year B.Sc. Students

Exchange 3rd year student for Graduate School of Agriculture, Hokkaido University, Japan, participating in a field trip, 1 Mar - 10 Apr 18, Ms. Akari Kimura, soil science laboratory, Graduate school of Agriculture, Hokkaido University

Short Student Exchange Program with Singapore Management University, Singapore, 3 - 26 May 18

ASEA-UNINET Student Week 2017 at Universitas, Indonesia (3 - 16 Dec 17)

28 Jun 18, a study visit from Norwegian People’s Aid and Thailand Mine Action Center to observe and learn about environmental activities from the faculty
18 Oct 17, a visit from an administrative team from Hankuk University of Foreign Studies, South Korea including Mr. Kim Jongseuk, Dean Office of Business Support, Mr. Son Ho Seop, Head of office of Business Support Team and Mr. Park Sung Geun, Head of office of Center for Korean Language and Culture to discuss the collaboration in establishing Korean Language Center under Center for Regional Studies on Technology, Innovation and Cultural Environment as well as an academic cooperation in environment and resource studies.

A visit from Prospect Burma (PB), the Republic of the Union of Myanmar to discuss the collaborative agreement in granting scholarships for Myanmar Students 18 Jun 18

Department of Hydraulic Engineering, Tsinghua University, China discussed and studied feasibility in making an agreement of collaboration between faculties, 7 Aug 18

Chatham University, USA visited the faculty and discussed about possibility of an academic cooperation development, 4 Oct 18

University of Forestry and Environmental Science and representatives from Wildlife Conservation Society (WCS) paid a study visit and had a discussion exchanging experiences about education and knowledge about forestry, 16 Oct 18
Ramsar Center Japan (RCJ) paid a study visit to learn about Crab Banks and Ecotourism 8 Nov 18

Representatives from An Giang University (AGU), Vietnam visited the faculty and discussed about an academic collaboration development plan under the collaboration agreement, 12 Nov 18

Representatives from Indiana University Bloomington, USA discussed about possibility of an academic cooperation development in terms of student exchange, internship and tourism study activities, 28 Nov 18

Institute of Earth Environment, Chinese Academy of Sciences, China paid a study visit to the faculty, 28 Nov 18
Club Friday@Salaya

Faculty of Environment and Resource Studies launched Club Friday@Salaya “Cool Seniors Telling Stories of ET” in order to build a network between alumni, the faculty and alumni association, and to share knowledge and exchange experiences between each other at Satra Methee Dr. Pongpit Piyapong Conference Room (4228)

7 May 18, at 09.15 hr, Associate Professor Dr. Kampanad Bhaktikul, dean of Faculty of Environment and Resource Studies delivered an opening speech for EN Mahidol Job Fair 2018

21 Sep 18, Associate Professor Dr. Kampanad Bhaktikul presided over to open the ceremony and attended the presentation of researches in “EN Research Expo 2018” at Satra Methee Dr. Pongpit Piyapong Conference Room (4228), Badhanatala Environment Building [Building 4]. The activity included presentation of researches from lecturers to Bachelor, Master and Ph.D students of Faculty of Environment and Resource Studies to give students opportunity to learn about lecturers’ expertise and research approach that could potentially be their advisors.
Strategy 3

Providing Guidance on Environmental Conservation

Faculty of Environment and Resource Studies has developed a mechanism for creation of a network that fosters national and international collaboration in environmental operations in an integrated manner by building and improving the academic services system to create participative knowledge and/or innovation that responds to current events and social needs in order to enhance sustainability in environment and resources.
Outstanding Performance – Academic Services Aspect

Environmental Conservation Mother Award 2018 ภูมิใจแม่บ้าน รางวัล 1. Mother Award 2018 With an initiation of an Environmental Conservation Mother project that selects a number of mothers from around the country who mother their children well and cultivate them an environmental conservative mind as well as being a role model in environmental conservation by not destroying an environment with materialism, it has changed local people’s minds and increased their attention and awareness in an environmental conservation.

1. Mrs. Noi Suebsai from Roi-et
2. Mrs. Kanya Onsi, from Surin
3. Ms. Benchawan Phoengnu, from Phatthalung
4. Mrs. Chitsuphang Chamnan, from Chumphon
Collaboration with External Organization

14 Feb 18, Associate Professor Dr. Sura Pattanakiat, Deputy Dean for Research Administration, Academic Services and Information Technology, together with Associate Professor Dr. Suvaluck Satumanatpan, the faculty’s lecturer give an academic lecture on “The role of Thailand on Environmental Commitment Between Countries” attended by Director-General, Deputy Director-General, judges and officers of Civil Court at a Conference Hall, Civil Court Building, Ratchadapisek Rd., Bangkok.
“Cotutelle PhD program” @Macquarie University, Australia, Associate Professor Dr. Kampanad Bhaktikul and Dr. Noppol Arunrat

11 Dec 18, Academic Cooperation in Environment and Forensic Science between Ministry of Natural Resources and Environment, Royal Police Cadet Academy, Internal Security Operations Command Region 4, Silpakorn University, Kasetsart University, King Mongkut’s Institute of Technology Ladkrabang and Faculty of Environment and Resource Studies, Mahidol University.

The 3rd Environment and Natural Resources International Conference (ENRIC 2018): Global Development with Environmental Sustainability (22-23 November 2018, at Bangsaen Heritage Hotel, Chonburi Province)
Training

- Certificated Program in Environmental Governance for Executive Officer to Raise awareness in Environmental Governance for Executive Officer for both public and private sectors across the country, Associate Professor Dr. Sura Pattanakiat
- 6-13 Oct 17, Power Green Camp 12 for raising youth’s awareness in the importance of ecology system and biodiversity and gaining understanding of innovative and sustainable ways to solve environmental problems, Associate Professor Dr. Rattanawat Chaiyarat
- 9 Nov 17, international training on “Waste Management and Wastewater Treatment for Sustainability” held between 9-28 Nov 17, attended by 17 participants from 15 countries around the world
- 12-13 Mar 18, training course on Environmental Auditing for Green Office for encouraging personnel to develop their departments according to the Green Office policy for environmental conservation, Associate Professor Dr. Sayam Aroonsrimorakot
- 28-30 Mar 18, Basic Geo-information Technology for Environment and Resources Management Training Project for developing knowledge of basic Geo-information Technology for environment and resources management, Associate Professor Dr. Sura Pattanakiat
- 4-8 Jun 18, Cannabinoid Medicine and Cannabis Science Training Course Batch 2
- 7 May 18, International Training Course on "Industrial Environmental Management Emphasis on the Global Warming and Greenhouse Gas Management" held between 7-25 May 18
- 4 Jun 18, Cannabinoid Medicine and Cannabis Science Training Course Batch 2
- 9 Jul 18, International Training Course on "Adapting to Climate Change : Facing the Consequence" held between 9-27 Jul 18, attended by 18 participants representing private and public environmental organizations from Cambodia, Columbia, Ecuador, Ethiopia, Gambia, Kenya, Laos, Madagascar, Mauritania, Morocco, Nepal, Nigeria, Sudan, Thailand, Tunisia, Uruguay and Vietnam. The training was funded by Thailand International Cooperation Development Agency (TICA).
- 17-21 Aug 18, Mahidol Environmental Youth Batch 2 “Environmental Leader” Course for enhancing knowledge and awareness in environmental conservation in youth.
- 22-23 Nov 18, Environment and Natural Resources International Conference 3rd
- 18-25 Oct 18, Environmental Science Youth Camp “Power green camp 13”
- 9-27 Jul 18, International Training Course on “Adapting to Climate Change : Facing the Consequence”
- 20-22 Jun 18, An application of information from high detailed aerial photographs from Unmanned Aerial Vehicle for environment and resources research and management training project
- 18 Jun 18, International Training Course on “Natural Disasters Management” held between 18 Jun – 6 Jul 18
- 4-6 Jun 18, A workshop on statistical data analysis for SPSS researches
- 23-25 May 18, Application of Geo-information Technology for Environment and Resources Management
- 21-22 May 18, ISO19011 Environmental Auditing
- 23 Apr – 11 May 18, The Environmental School of Samut Sakhon Provincial Administrative Organization
- 6-10 Apr 18, Mahidol Environmental Youth Camp Batch 2
- 3 Apr 18, BaanKruMod Youth Camp – Study Visit along Nature Trail
- 7 May 18, International Training Course on "Industrial Environmental Management Emphasis on the Global Warming and Greenhouse Gas Management" held between 7-25 May 18
- 17 Aug 18, Mahidol Environmental Youth Training Batch 2 "Environmental Leader" Course at Academic and Research Center, Faculty of Environment and Resource Studies, Mahidol University, Sobprab district, Lampang

- 2 Apr 18, International project on occupational health and safety at workplace ISO 45001 lectured by Associate Professor Dr. Sayam Aroonsrimorakot
- 18 Apr 18, Environmental Management Standard ISO 14001:2015 workshop lectured by Associate Professor Dr. Sayam Aroonsrimorakot
- 18 Apr 18, Mahidol Environmental Youth Camp Batch 2 held between 6-10 Apr 18 at Academic, Research and Environmental Technology Transfer Center, Faculty of Environment and Resource Studies, Mahidol University, Lampang
Faculty of Environment and Resource Studies, Mahidol University

Wisdom of the Land
Establishment of service center and assistance for innovation and environment

Innovation Village was established to respond to the Entrepreneurial University policy and offer research and innovation advisory service to general clients. Dr. Narin Boontanon, Assistant Professor Dr. Saranya Sucharitakul and Dr. Chitsanupong Pratham
EN CSR 4.0

Soil and Water CSR Project Accessing to the communities in the surrounded area. Collecting soil samples from the communities’ agricultural area and water samples for analyzing primary macronutrients and pH level as well as managing soil and water quality development plan for the communities. This is to make locals live in better environment and earn higher income by the concept “understanding, accessing, and developing” for a sustainability.

Establishment of service center and assistance for innovation and environment (Ennovation Village) for responding to the Entrepreneurial University policy and offer research and innovation advisory service to general clients.

Royal Project Community Development Study Project for a Low Carbon and Sustainable Community A sustainable city project was a project that attempted to adopt a research method to solve the problem of a city development under a negative change condition by operating a spatial approach that followed the concept of sustainable development that aimed to balance three basic dimensions: economics, society and environment in which they are related with 17 sustainable development goals of the United Nation under Thailand context and in accordance with the 12th National Economic and Social Development Plan.

5 Jul 18, at 10.00 – 12.00 hrs, Asst. Prof. Kasem Kulpradit, lecturer at Faculty of Environment and Resource Studies, chairman of the working group, Asst. Prof. Dr.Kavee Krairavee, Dr.Panom Chaiyasit and Dr.Romanee Thongdara, lecturers at Department of Civil and Environmental Engineering, Faculty of Engineering, Mahidol University together with the working group of Khlong Tao water quality improvement project at Bowonniwet Vihara temple and Bachelor’s degree students went on a field trip to collect water samples and information on quality improvement and drainage system of Khlong Tao, Bowonniwet Vihara temple, Bangkok.
CSR model project – Second Hand Envi-Shop

Second Hand Envi-shop, Faculty of Environment and resource Studies, Mahidol University was established for promoting reduction of purchasing new items, amount of trashes and promoting the use of resources in an effective way. The income earned will be used for public benefit and helping society such as purchasing tools for poor disabled, making merit on special occasions as well as supporting environment and natural resources conservation activities. Second Hand Envi-shop was first operated on 27th December 2014; until now, 400 disabled tricycles and 62 wheel chairs have been distributed.
Environmental Clinic and CSR 4.0 Air & Water Quality Monitoring Program Project for life quality of the surrounded community

Not only does Faculty of Environment and Resource Studies, Mahidol University engage in education and researching for knowledge or new technology responding to social and national needs, it also provides academic services for the society. The services carried out by the environmental operating unit are as follows.

Soil, water and air quality advising, recommending and measuring services. Currently, Faculty of Environment and Resource Studies has its own environmental laboratory for carrying out researches, measurement and analysis of environment’s quality as well as examining contaminants in water, soil and air.
For water quality, the services provided include an analysis of a level of BOD, COD, DO, Coliform Bacteria, oil and grease, electrical conductivity, PH balance, water hardness, melting solids, metals in water, sulphate, phosphate, nitrate, chloride, ammonia etc. in both polluted water and water supply for consumption.

For soil quality, it provides an analysis service of an amount of nutrients in soil such as an amount of organic matter, phosphorus, PH balance and size of soil particle.

For air quality, it provides an analysis service of total suspended particles (TSP) and particulate matter 10 micrometers or less in diameter (PM 10).

Measurement and Analysis Service of Parameter 2012 - 2018

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International Standard Certificates

1. Testing laboratory was certified by ISO/IEC 17025 https://appdb.tisi.go.th/tis_devs/tislab/testing/test367t.html date 11/02/2019 - 19/11/2020

Intellectual Property – Copyright

- A publication on “Interactive E-Book entitled Hornbill, the Donor of the Forest: Learning Ecology and Conservation with Thai Hornbills,” registration number ว. 41529, received date 7/6/2018.

Intellectual Property for Commercial Use and Social Use

- Household organic waste disposal machine and organic waste disposal process, registration number 7860, received date 15/2/2013.
Development of Participative Organizational Management

Faculty of Environment and Resource Studies has developed a system and mechanism that support systematic administration, developed the personnel capability of participatory administration, in accordance with the code of good governance and encouraged the use of information system for the administration and operation of the organization in order to develop the management system of the organization sustainably in accordance with the code of good governance.
Digital Technology

Announcement of Digital Technology Model Scheme 2018 - 2022 and Development of Information Database System to Support Big Data

Faculty of Environment and Resource Studies created Digital Technology Model Scheme 2018 - 2022 and defined strategies of application in Big Data and Digital Management Systems in order to support researches or development of environmental and resources integrated academic program for the faculty in the future. Currently, Database Migration has been successfully improved and could support Big Data very well.

Video Clip Competition on the Topic “Environment and Resources Conservation”

The project aimed at promoting and opening opportunities for youth to express their talents in video clip creation for distributing knowledge and understanding about environment and resources conservation to the society via EN-TUBE, see videos from this link: https://www.youtube.com/playlist?list=PLRNFiJPxQ566UkLbsa70gZyYi1ZQNUQFz

Line Sticker Creation Competition on the Topic “Save the Environment and Resources Together”

with coordination with the alumni association of Faculty of Environment and Resource Studies in order to reinforce knowledge and understanding as well as cultivating awareness on environment and resources conservation through Line stickers.
Creation of Videos on Limitless Learning and Answer to Environment Issues

https://www.youtube.com/user/envimahidol 1,759 followers, joined membership on 11 Feb 2010

Providing Geographic Information Software ESRI Site License Program for Mahidol University Staffs and Students

Faculty of Environment and Resource Studies has provided Geographic Information software ESRI Site License Program including ArcGIS for Desktop and All Extension 10.5.1, ArcGIS Pro 2.0, ArcGIS Enterprise 10.5.1, ArcGIS for Server and All Extension 10.4.1, ArcGIS for Window Mobile 10.2.1, ESRI City Engine 2017 and ArcGIS Online for Mahidol University Staffs and Students. Currently, there are 292 users from 12 departments.

Faculty Website Development in Chinese Version

The development of the faculty’s website in Chinese version is to respond to the intention of internationalization of the faculty’s website and to support Chinese-speaking website visitors in which there are currently more than billions of people speaking Chinese. It mainly focuses on publicizing history of the faculty and advertise courses; however, it aims to develop other parts of the website in the future as well.
Eco University

Green office project

Faculty of Environment and Resource Studies, together with Department of Environment Quality Promotion have developed Green Office standards and its evaluation from fiscal year 2013 until present. There have been more than 300 Green offices certified consisted of 91 governmental agencies, 123 state enterprises, 61 local government organizations, 64 educational institutes and 50 private organizations. It focuses on encouraging an environmentally friendly consumption among offices, upgrading environmentally friendly offices and expanding operations to offices in public and private sectors, provincial and local sectors resulting in reduction of Green House gases emission in all sectors as well as in a supply chain. On this occasion, Faculty of Environment and Resource Studies has been trusted to continually carry out the project and renew the certification. Moreover, the faculty was honored to be offered “Green Office – Gold Award 2018” by General Surasak Karnjanarat, Minister of Natural Resources and Environment on Wednesday 30th January 2019, at Rama Gardens Hotel.
Safety Education Institute – Outstanding Award Trophy Year 1

Mahidol Energy Awards 2018
Winner: Efficient Management of Resources within Mahidol University
Winner: For innovative energy, Department type
First runner-up: Poster type

Statistics of Electricity Usage, Year 2010 - 2018

16 October 2018

Summary of Electricity Usage of Faculty of Environment and Resource Studies [Salaya Campus], Fiscal Year 2018 within 12 months [Oct. 17 – Sep. 2018]
Decreased by 160,570 units or equal to 13.37 % [comparing with fiscal year 2017]
Cost reduction equal to 642,280 Baht

Solar Energy Panels Set up Project
Summary of Volume of Electricity Produced from Solar Energy System of Faculty of Environment and Resource Studies, Fiscal Year 2018

Equal to 10,977.07 units or 10.97 MW
Cost reduction equal to 43,908.28 Baht


Summary of Volume of Electricity Produced from Solar Energy System of Faculty of Environment and Resource Studies (Salaya Campus), from Jul. 2015 to Sep. 2018

Equal to 36,156.24 units or 36.15 MW
Cost reduction equal to 144,624.96 Baht
Reduction of Green House gases emission equal to 21,017.62 kgco2e or 21.01 TonsCO2e
Budget
The faculty got 130,094,120.41 Baht budget for the fiscal year 2018 consisted of 83,658,010.00 Baht from annual government statement of expenditure and 46,436,110.41 Baht from income budget. The detail is shown in the chart below.

The chart showing the total budget for the fiscal year 2018

Total Budget = 130,094,120.41 Baht
Managing and Building a Happy Learning Organization

To build a happy learning organization with quality and moral, Faculty of Environment and Resource Studies has built a system and mechanism for the promotion of learning organization with quality, and created a happy and harmonic working atmosphere among personnel in the organization.

Presentation at the Quality Fair 2018

Poster Presentation

2. Participation processes in organization for development of research master plan in Faculty of Environment and Resource Studies, Mahidol University.
3. Requirements and satisfaction on the welfare of personnel of Faculty of Environment and Resource Studies, Mahidol University.
Oral Presentation

1. Rainwater harvesting prototype
   More information from https://en.mahidol.ac.th/th/policy/km

Report on Knowledge Management Activities for Fiscal Year 2018

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Date and Time</th>
<th>Department in Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Knowledge Assets project</td>
<td>October, June</td>
<td>Policy and Planning Department</td>
</tr>
<tr>
<td>Faculty Party and Deployment</td>
<td>Every Wednesday</td>
<td>Human Resource Department</td>
</tr>
<tr>
<td>“Bangkok: Greenhouse Gases Emission Assessment from the Change of Land Use” by Dr. Ghaffar Ali (PhD Visiting Professor from Institute of Urban Environment, Chinese Academy of Sciences: CAS, China)</td>
<td>December 19, 2017</td>
<td>Research and Academic Service Department</td>
</tr>
<tr>
<td>Special Talk on ”Environmental and Energy Issues Distorted by Deliberate Abuse of Fact” by Prof. Jae Park, College of Engineering, University of Wisconsin</td>
<td>January 15, 2018</td>
<td>Research and Academic Service Department</td>
</tr>
</tbody>
</table>


Document Preparation Tips for Acquiring a Senior Professional Level

15 Feb. 18, at 13.00 hr., Assistant Professor Dr. Acharaporn Kumsopa, Deputy Dean for Policy Plan and Finance, together with EN staffs participated in a “Chill Chill Outdoor Friendly Chat” on the topic “Document Preparation Tips for Acquiring a Senior Professional Level” at Green Square, Faculty of Environment and Resource Studies.

Project on EN Happy: Art and cultural Field Trip

10 Apr. 18, at 09.00 hr., Assistant Professor Dr. Acharaporn Kumsopa, Deputy Dean for Policy Plan and Finance presided over to be a chairperson delivering an opening speech for “EN Happy: Art and cultural Field Trip” project, year 2018, organized by Faculty of Environment and Resource Studies with a cooperation of Institute for Technology, Innovation and Cultural Environment Learning, Mahidol University. The session included a special talk on the topic “Following Bupphae Sanniwat: Learning Ayutthaya History” by Mr.Khemchat Thepchai, former Deputy Director-General of the Fine Arts Department, Director of Office of Contemporary Art and Culture (Director-General position) and an alumni of Faculty of Environment and Resource Studies, Program in Technology of Environmental management Batch 12, Mahidol University, and another topic on “Unknown Ayutthaya: History, language and Culture” by Associate Professor Chatchawadee Saralamba, former dean of Faculty of Liberal Arts, Thammasat University, Advisor to Institute for Technology, Innovation and Cultural Environment Learning, Faculty of Environment and Resource Studies, Mahidol University at Nart Tuntawiroon Meeting Room (1103), Faculty of Environment and Resource Studies, Mahidol University.
**Songkran Celebration Event 2018**

19 Apr. 18, Associate Professor Dr. Kampanad Bhaktikul, dean of Faculty of Environment and Resource Studies, together with academic and supporting staffs gave the offerings dedicated to the monks on the occasion of Songkran Day 2018 at Puranawat Temple. The following events included Buddha image water sprinkle, and a pouring water on the hands of revered Ajarns and asking for their blessing ceremony, which was honored by the presence of Associate Professor Monthree Chulasamaya, M.D., Adjunct Associate Professor Manu Srikhachon, Lecturer Jirasak Phunphon and Associate Professor Ussanee Uyasatian at Green Square, Faculty of Environment and Resource Studies.

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**Offering a Lent Candle and Alms Dedicated to the Monks**

20 Jul. 2018, at 09.00 hr., Associate Professor Dr. Kampanad Bhaktikul, dean of Faculty of Environment and Resource Studies, together with academic and supporting staffs offered a lent candle and alms dedicated to the monks at Mahasawat Nak Phuttharam Temple, Sam Phran district, Nakhon Pathom.
HM the Queen Sirikit’s Birthday 12 August 2018

6 Aug. 18, at 10.00 hr., Associate Professor Dr. Kampanad Bhaktikul, dean of Faculty of Environment and Resource Studies, together with academic and supporting staffs and students gave the offerings to the monks dedicated to HM the Queen Sirikit on the auspicious occasion of HM the Queen Sirikit’s birthday celebration 12 August 2018 at Nyanavesakavan Temple.

Summary of Level of Average Happiness Score Classified By Different Aspects (2014 - 2018)