



Environmental Science Research Center

Faculty of Science, Chiang Mai University



Organization Chart



รศ.ดร.สมพร จันทระ

Assoc. Prof. Dr.Somporn Chantara **Head of Research Center**

รศ.ดร.จรูญ จักร์มุณี Assoc.Prof. Dr.Jaroon Jakmunee

Associated Head of Research Center



ผศ.ดร.พิชญา มังกรอัศวกุล Asst. Prof. Dr. Pitchaya Mungkornasawakul

Assistant Head for Research



อ.ดร.ภูมิศร์ ทับทิมแดง



<u>ผศ.ดร.ว่าน วิริยา</u> Asst. Prof. Dr.Wan Wiriya **Dr.Pumis Thuptimdang** Assistant Head for Academic

Assistant Head for Academic Services and Corporate Communication





ผศ.ดร.สทธาธร ไชยเรื่องศรี Assist. Prof. Dr. Sutthathorn Chiaruangsri **Chairman of Graduate Program**



รศ.ดร.อลิส ชาร์ป Assoc. Prof. Dr. Alice Sharp **Chairman of Undergraduate Program**

(International Program)

- Degree offered
 - Bachelor of Science (Environmental Science)
 - B.S. (Environmental Science)
- Duration:
 - 4 years
- Credit requirement
 - Regular Study Plan
 - Cooperative Study Plan

138 Credits

142 Credits









(Regular and International Program)

- Degree offered
 - Master of Science (Environmental Science)
 - M.S. (Environmental Science)
- Duration:
 - 2 years
- Credit requirement
 - Study Plan: 36 Credits

(coursework 21 credits + thesis 15 credits)





Doctor of Philosophy Program

(International program)

Degree offered







Doctor of Philosophy (Environmental Science)
Ph.D. (Environmental Science)

Type 1.1 Student with Master degree

- 3 Years duration
- Thesis only (48 credits)

Type 1.2 Student with Bachelor degree

- 5 Years duration
- Thesis only (72 credits)



Desired Characteristics & Capabilities of Graduates

Academic Excellence

SocialMoral &SkillsEthics

Research Focuses









Dr. Nuttipon Yabueng

Asst. Prof. Dr. Wan Wiriya



passive sampler

Environmental Chemistry Research Laboratory



ACID-BASE

FSR

การวิเคราะห์แหล่งกำเนิดฝุ่น PM₂₅





ผลต่างฝุ่น 2.5 ใบครอน (มคก./ลบม.)

ลำปาง (สีแดง)

18-12-06 0 06 12 18 24 3 3



แผนงาน การประเมินแหล่งทำเนิดและกลไกการเกิดฝุ่น PM₂₅ ทุติยภูมิ ้ในภาคเหนือของประเทศไทย ้สอบถามรายละเอียดเพิ่มเติม : รองศาสตราจารย์ ดร.สมพร จันทระ คณะวิทยาศาสตร์ มหาวิทยาลัยเชียงใหม่

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Analytical instruments



ICP-OES @ Chemistry, CMU

- Analysis of aerosol chemical composition (PAHs, Water Soluble lons, Metals, OC-EC)
- Analysis of gas phase; VOCs and pollutant gases.

GC-MSD-FID-TCD



Ion Chromatograph





Forest Restoration Research Unit

Department of Biology website: www.forru.org



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Dr. Watit Khokthong tae.watit@gmail.com

Our mission is to carry out research to develop efficient methods to restore tropical forest ecosystems for biodiversity conservation, environmental protection and carbon storage.



Forest Restoration Research Unit

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Dr. Watit Khokthong

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ResearchGate



Landscape Ecology : spatial and temporal dimensions





Agroforestry and Forestry : native trees, 3D structures for timber measurements





Drone Mapping & Lidar Surveying for Forest Restoration Processes





Dr. Alice Sharp

Department of Biology

Email : alice.sharp@cmu.ac.th



Solid waste management/ Climate change vulnerability assessment/ Mammal ecology





Freshwater Biomonitor Research Lab (FBRL)

- CHIANGMAI UNIVERSITY



Research themes



Department of Biology Email: chitcholp@gmail.com



DR.NATTAWUT SAREEN

Environmental Science Research Center Faculty of Science Email: nattawut.sar@cmu.ac.th









Freshwater Biomonitor Research Lab (FBRL)

CHIANGMAI UNIVERSITY -















Water Resource Management







Aquatic Insect Diversity and Conservation







Anthropogenic Impact on

Aquatic Ecosystem





Dr. Pumis Thuptimdang

Department of Chemistry

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Toxicity and Bioremediation of Hazardous Pollutants in Wastewater

Antimicrobial Toxicity

Effect of nanoparticles on biofilms

Nanoparticle characterization



Toxicity to: Biomass

 Structure Formation



Effect of pesticides on biofilms under stress





Bioremediation

Biodegradation of textile dyes

Bacterial Isolation





Biodegradation of pesticides

Bacterial isolation from contaminated sites



Entrapped cell technique

Biodegradation of drugs



Utilization of sludge from wastewater treatment plant for biodegradation



Treatment by Moving Bed **Biofilm Reactor** (MBBR)

Thank You



