

THIDAR MAUNG MAUNG

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EDUCATION

SEPTEMBER 2023 – SEPTEMBER 2024

MASTER II IN CLIMATE, LAND USE AND ECOSYSTEM SERVICES,

AGROPARISTECH, UNIVERSITY PARIS SACLAY, FRANCE.

IDEX INTERNATIONAL SCHOLARSHIP HOLDER

AUGUST 2021 – DECEMBER 2023

MASTER OF ENGINEERING IN WATER ENGINEERING AND MANAGEMENT,

ASIAN INSTITUTE OF TECHNOLOGY, THAILAND.

(GPA: 3.33/4) – (THESIS: EXCELLENT – HIGHEST GRADE)

AIT PARTIAL SCHOLARSHIP HOLDER

AUGUST 2013 – NOVEMBER 2019

BACHELOR OF ENGINEERING IN CIVIL,

TECHNOLOGICAL UNIVERSITY TAUNGOO, MYANMAR.

GPA: 4.48/5

JULY 2003 – AUGUST 2013

FROM ELEMENTARY TO HIGHSCHOOL EDUCATION,

BASIC EDUCATION HIGHSCHOOL INSEIN, MYANMAR.

EXPERIENCE

JOB FINDING PERIOD

OCT. 2024-NOV. 2024

Room 110, Building A, 27 Av. de la Republique, 91300 Massy

MASTER II RESEARCH INTERN

FUNCTIONAL ECOLOGY AND ECOTOXICOLOGY OF AGROECOSYSTEMS, INRAE LAB & CEREMA LAB, FRANCE

MAR. 2024-AUG. 2024

Energy Balance And Water Balance Of Green Roof

- Conduct Literature review
- Apply SurfAtm model for the energy balance and water balance
- Contribute in research writing

* Applying knowledge of climate, nature based solutions and programming.

* Applying modeling and data analysis skills.

RESEARCH ASSISTANT, ASIAN INSTITUTE OF TECHNOLOGY (AIT)

APR.2023 – AUG.2023

- Assist research project proposal preparation
- Assist ecosystem services modeling
- Support team in communication and workshops

* Applying knowledge of water engineering and management.

* Applying skills of communication and project assistance.

RESEARCH INTERN, STOCKHOLM ENVIRONMENT INSTITUTE (SEI)

SEP. 2022 – APR. 2023

Land Use Transitions in the Lower Songkhram River Basin in Mekong and its Impact on Carbon Sequestration Potential

Responsible as Co author

- Conduct literature review and Develop methodology
- Analyze data
- Conduct land use and ecosystem models
- Support team to conduct the valuation of wetland ecosystem services
- Contribute in research writing

* Applying knowledge of hydrological, environmental science and modeling skills.

* Applying modern engineering tools such as GIS mappings and modeling software.

JOB FINDING PERIOD

FEB. 2021- JULY. 2021

Taungoo, Myanmar

COMMUNICATION INTERN, MYANMAR WATER PORTAL

SEP. 2020 – FEB. 2021

- Interview and Create News Articles for the Environmental and Water field.

* Applying knowledge of writing and news blogs.

VOLUNTEER, COM (MYANMAR)

MAR. 2020 – AUG. 2020

- Teaching English and Supporting in Local Community Work

VOLUNTEER, AIESEC (VIETNAM)

DEC. 2019 – FEB. 2020

- Teaching English and Supporting in Local Community Work

SKILLS

- Hydrological & Ecosystem Services Modeling tools – PCSWMM, InVEST, TerrSet, Irrigate Plus
- GIS
- Rstudio, Python, C Language
- Microsoft office

RESEARCH EXPERIENCE

Journal paper published in 2024 at ACS EST WATER titled by: "Land Use Transitions in the Lower Songkhram River Basin in Mekong and its Impact on Carbon Sequestration Potential".

Master Thesis, "Model Parameterization for Water Balance of Green Roofs".

Master Thesis, "Investigating Land Use Change Impacts on Tradeoffs and Synergies of Hydrological Ecosystem Services in the Pasak river basin, Thailand".

Paper under review process to publish, "Mapping and Quantification of Changes in Hydrological Ecosystem Services in the Pasak river basin".

OTHER

A- COURSES TAKEN IN MASTER PROGRAMS:

Master in Water Engineering and Management

- Watershed Hydrology, Hydrodynamics, Concepts in Water Modeling, Flood Modeling and Management, Climate Change and Water Resources, Groundwater Development and Management, Urban Drainage Management, Irrigation Engineering

Master II in Climate, Land Use and Ecosystem Services

- Climate System, Biosphere-Atmosphere Interactions, Agronomy, Ecosystem Services Modeling, Numerical Modeling

B- LANGUAGES:

- Mother Language: Burmese.
- Foreign language: Fluent in English (reading, speaking and writing).
- French A2

C- REFERENCES:

Available upon request.

D- LINKEDIN:

<https://www.linkedin.com/in/thidar-maung-maung-8747031b7/>