



**Name** : Ms. Me Me Maw  
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### Academic Qualifications

**Mahidol University, Thailand**

Class of 2023

**Yandanabon University, Myanmar**

Class of 2014

**Yandanabon University, Myanmar**

Class of 2012

**Doctor of Philosophy (PhD.),**

Environmental and Water Resources Engineering  
(International Program).

**Master of Science,**

Industrial Chemistry.

**Bachelor of Science (Hons.),**

Industrial Chemistry.

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### Professional Work Experiences

**E Guard Environmental  
Services Co., Ltd.**

**Yangon, Myanmar.**

**Environmental Consultant** (May 2015-Dec 2018 - full time),  
Dec 2019- 2024, Project based)

- Lead and arrange for the assigned EIA, EMP, IEE projects.
- Perform site investigation for environmental baseline data collection (air, water, biodiversity, soil and demographic etc.) in and around the project region.
- Coordinating with project proponents, and all stakeholders.
- Prepare and write comprehensive EIA reports including baseline studies, assessments, mitigation measures.
- Prepare presentation, arrange for public consulting meeting.

**Environmental and Water  
Resources Engineering,  
Faculty of Engineering,  
Mahidol University**

**Teaching Assistant** (two semesters)

- Responsible for setting up laboratory experiments related to water/wastewater sampling collection and analysis.
- Preparation of chemicals, reagents, calibration equipment's and ensuring that all necessary materials are available.
- Helping students understand to do experiments correctly and safely, correctly, and answering their questions.

**Myint Thukha Nadi Co., Ltd.,  
Yangon, Myanmar**

**Technical Sale Executive** (Aug 2014 -Mar 2015)

- Assist to prepare price quotation for chemicals, glassware and education books for government tenders.
- Perform as an assistant for client communication, technical sale etc.

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### Attended Trainings/Courses

2023 Program Change Management in Click Up, Coursera Project Network.  
2020 Planning & Desing of Sanitation Systems and Technologies, École Polytechnique Fédérale de Lausanne, Coursera.  
Introduction to Fecal Sludge Management, École Polytechnique Fédérale de Lausanne, Coursera.

- 2018 Wastewater Treatment System Course, Myanmar Engineering Society.
- 2018 Resource, Efficient and Cleaner Production (RECP) Course, United Nations Industrial Development Organization (UNIDO).
- 2017 Energy Cooperation Training in the Greater Mekong Sub Region, Mekong Institute and Sponsored by the Energy Policy and Planning Office, Energy conservation promotion fund, and Yunnan power grid Co., Ltd.
- 2017 Environmental Impact Assessment Training, Fauna & Flora International (FFI).
- 2016 Environmental and Social Impact Assessment Training (ESIA), Asia Institute of Technology Vietnam, Hanoi, Vietnam.
- 2016 Chemical Storage and Handling Basic Course. Myanmar Chemical Industries Association
- 2016 ISO 9001-2008 Internal Audit Training, SGS Myanmar Company Limited.
- 2016 ISO 14001-2015 Internal Audit Training, ABC, AN ABS Company Limited.
- 2015 Technical Training for Lab-Technicians (Environmental Analysis). Eco-Lab (Organized by Eco-Lab, Advancing Life and Regenerating Motherland, ALARM).
- 2015 Ecological Laboratory Technician Training, Eco-Lab (Organized by Eco-Lab, Advancing Life and Regenerating Motherland, ALARM).

### **International Research Publications**

- Maw, M. M.,** Boontanon, N., Aung, H. K. Z. Z., Jindal, R., Fujii, S., Visvanathan, C., & Boontanon, S. K. (2024). Microplastics in Wastewater and Sludge from Centralized and Decentralized Wastewater Treatment Plants: Effects of Treatment Systems and Microplastic Characteristics. *Chemosphere*, 142536. <https://doi.org/10.1016/j.chemosphere.2024.142536>. (Q1)
- Maw, MM.,** Boontanon, N., Fujii, S., & Boontanon, S. K. (2022). Rapid and efficient removal of organic matter from sewage sludge for extraction of microplastics. *Science of the Total Environment*, 853, 158642. <https://doi.org/10.1016/j.scitotenv.2022.158642>. (Q1)
- Maw MM.,** Boontanon SK, Jindal R, Boontanon N, Fujii S. Occurrence, and removal of microplastics in activated sludge treatment systems: A case study of a wastewater treatment plant in Thailand. *Engineering Access*, Vol.8, No.1, January-June.2022, pp.106-111. (TR1)

### **International Conference/Poster/Workshop**

- Maw MM.,** Boontanon SK, Jindal R, Boontanon N, Fujii S. Occurrence, and removal of microplastics in activated sludge treatment systems: A case study of a wastewater treatment plant in Thailand. 10<sup>th</sup> International Conference on Environmental Engineering, Science and Management, Pullman Khon Kaen, Raja Orchid, 12-13 May 2021.
- Maw MM.,** Boontanon SK, Jindal R, Boontanon N, Fujii S. Quantification, and characterization of microplastics in wastewater. Presented poster presentation at Kyoto University Symposium, 29-30 November 2021.
- Maw MM.,** Boontanon SK, Jindal R, Boontanon N, Fujii S. Microplastics occurrence in wastewater treatment plants: A keen concern of retention capacity and retain in the sludge. Presented at the 6<sup>th</sup> Kyoto University-Mahidol University Laboratory Workshop, 29 March 2023.

### **Skills**

#### **Language proficiency:**

- Burmese – Native
- English (working proficiency)

#### **Knowledge in software:**

- Microsoft Office, Excel, PowerPoint
- FTIR, Raman, Motic Image Program for microplastics identification & analysis

- GIS, R, SPSS (limited work proficiency).

### **Achievements**

- Scholarship Alumina of Norwegian Government and the Capacity Building Initiative for Myanmar (CBIM-II) Scholarship to Mahidol University, Year of 2018.
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### **Voluntary Work**

- 3<sup>rd</sup> MU GRAD Sustainable Environment and Costal Ecological Restoration (Following King Rama 9 Models), March 23, 2019.
  - Reviewing of manuscripts related to microplastics studies.
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### **Referees**

- Available on request