



# TARINEE BUADIT

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## EDUCATION

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<b>Ph.D. (Environment and Resource Studies (International Program))</b> Faculty of Environment and Resource studies, Mahidol University	2017 - 2023
<b>M.Sc. (Appropriate Technology for Resources and Environmental Development)</b> Faculty of Environment and Resource studies, Mahidol University	2010 - 2013
<b>B.Sc. (Environment Science and Technology)</b> Faculty of Environment and Resource studies, Mahidol University	2006 - 2009

## EXPERTISE / AREAS OF RESEARCH INTEREST

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- Life Cycle Assessment
- Environmental Management
- Sustainable Development
- Greenhouse Gas Evaluation & Management

## WORK AND RESEARCH EXPERIENCE

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### Working Experiences

<b>Instructor</b> ASEAN Institute for Health Development, Mahidol University	2024 - Current
<b>Research Assistant</b> ASEAN Institute for Health Development, Mahidol University	2014 - 2021
<b>Teacher Assistant/Research Assistant</b> Faculty of Environment and Resource Studies, Mahidol University	2012 - 2014

### Research Experiences

<b>Principal Investigator</b> Appropriate Model of Health Service System toward Sustainability and Integration for the Central Part of Thailand by Life Cycle Impact Assessment	2024 - Current
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<b>Co-Researcher</b>	2024 - Current
Environmental impact assessment of broiler chicken farms in Kanchanaburi Province using life cycle assessment	
<b>Research Assistant</b>	2020 - 2021
Sustainable Supply Chain Management of the Tyre Industry in Thailand by Enhancing Green Productivity with Value Chain Analysis	
<b>Research Assistant</b>	2018 - 2019
Appropriate Model for Plastic Waste Management in Coastal Province toward Stakeholder integration and Sustainability: Case Study of Trang Province	
<b>Research Assistant</b>	2017 - 2018
Option of Sustainable Food Waste Management for Large Fresh Markets of Thailand	
<b>Research Assistant</b>	2017 - 2018
Enhancement of Green Productivity for Sustainable Supply Chain Management of Tire Industry in Thailand by Value Chain Analysis	
<b>Research Assistant</b>	2016 - 2017
Study of approach for enhancing urban development to sustainable city with participation: a case study for Salaya city, Nakhon Pathom	
<b>Research Assistant</b>	2016
Enhancement of Green Productivity for Sustainable Supply Chain Management of Dairy Cooperatives in the Central of Thailand by Value Chain Analysis	
<b>Research Assistant</b>	2014 - 2015
Direction Determination of Economic Crop Plantation in the Southern of Thailand toward Sustainable Development by Eco-efficiency with Ecological Footprint	
<b>Research Assistant</b>	2014 - 2015
Eco-efficiency Best Practice of Sugar Cane Production Industry for Sustainable Development by Benchmarking	
<b>Research Assistant</b>	2013 - 2014
Socio-economic and Health Status Evaluation for the Tourism Development in Western Part of Thailand Towards the Capability of Dawei Special Economic Zone	

## **PUBLICATIONS LIST**

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### **International Publication**

- **Tarinee Buadit**, Sayam Aroonsrimorakot, Kampanad Bhaktikul and Patana Thavipoke. Biogas Production and Greenhouse Gases Reduction from Wastewater at Mahidol University, Salaya campus, Thailand. SciVerse ScienceDirect APCBEE Procedia, 2013, Vol 5, pp.169-174.
- Sayam Aroonsrimorakot, Chumporn Yuwaree, Chumlong Arunlertaree, Rungjarus Hutajareorn, **Tarinee Buadit**. Carbon Footprint of Faculty of Environment and Resource Studies, Mahidol

University, Salaya Campus, Thailand. SciVerse ScienceDirect APCBEE Procedia, 2013, Vol 5, pp.175-180.

- **Tarinee Buadit**, Cheerawit Rattanapan, Achara Ussawarujikulchai, Krisda Suchiva, Seksan Papong, and Hwong-Wen Ma. Life Cycle Assessment of Material Recovery from Pyrolysis Process of End-of-Life Tires in Thailand. *International Journal of Environmental Science and Development*, 2020, vol. 11, no. 10, pp. 488-498.
- **Tarinee Buadit**, Achara Ussawarujikulchai, Krisda Suchiva, Seksan Papong, Hwong-wen Ma, and Cheerawit Rattanapan, Environmental impact of passenger car tire supply chain in Thailand using the life cycle assessment method. *Sustainable Production and Consumption*, 2023, Volume 37, pp. 156-168. [Q1, Top10]
- **Tarinee Buadit**, Achara Ussawarujikulchai, Krisda Suchiva, Seksan Papong, and Cheerawit Rattanapan, Green productivity and value chain analysis to enhance sustainability throughout the passenger car tire supply chain in Thailand. *Journal of Open Innovation: Technology, Market, and Complexity*, 2023, 9(3), 100108. [Q1]

### National Publication

- Sayam Aroonsrimorakot, Chumporn Yuwaree, Chumlong Arunlertaree, Rungjarus Hutajareorn and **Tarinee Buadit**. Carbon Footprint of Central Canteen of Mahidol University Salaya Campus, Thailand. *Journal of Agr. Research & Extension*, Office of Agricultural Research and Extension, Maejo University, 2013, Vol 30 No.3 (Suppl.), pp.49-55.

### PROCEEDINGS

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- **Tarinee Buadit**, Sayam Aroonsrimorakot, Kampanad Bhaktikul and Patana Thavipoke. The comparison on greenhouse gases generation form oxidation pond and extended aeration activated sludge wastewater treatment plant of Mahidol University, Salaya Campus. The 9<sup>th</sup> Kasetsart University Kamphaeng Saen Campus Conference: Engineering, Science Technology and Environment, 6-7 December 2012, pp. 324-332
- Sayam Aroonsrimorakot, Chumporn Yuwaree, Chumlong Arunlertaree, Rungjarus Hutajareorn and **Tarinee Buadit**. Carbon Footprint of Dormitories at Mahidol University, Salaya Campus, Thailand. The 3rd International Congress of Interdisciplinary Research and Development, 30-31 May 2013, pp. 9.1-9.5
- Sayam Aroonsrimorakot and **Tarinee Buadit**. Carbon Footprint of Honda Automobile (Thailand) Co.,Ltd.(Sales & Service). The 3rd International Congress of Interdisciplinary Research and Development, 30-31 May 2013, pp. 71.1
- Sayam Aroonsrimorakot, Thititorn Boonrueng, Penphan Pongsayan, and **Tarinee Buadit**. Industrial Hygiene Evaluation of Oil Rig Module Construction Associated with Chemical Utilization and Work Practices. The 4th International Congress on Interdisciplinary Research and Development, 30 - 31 May 2014, pp.111.1
- Cheerawit Rattanapan, Thunwadee Suksaroj, Weerawat Ounsaneha, and **Tarinee Buadit**. Greenhouse Gas Emission of Sugar Mill Process in Thailand. The Fifth Annual Asian Conference

on Sustainability, Energy and the Environment (ACSEE2015), 11 – 14 June 2015, Art Center of Kobe, Kobe, Japan.

- Weerawat Ounsaneha, Thunwadee Suksaroj, **Tarinee Buadit**, and Cheerawit Rattanapan. Carbon Footprint of Rubber Plantation in the Southern Part of Thailand. Proceedings of 24th ISERD International Conference, Seoul, South Korea, 13th January 2016, ISBN: 978-93-82702-10-8, pp. 29-32
- Weerawat Ounsaneha, **Tarinee Buadit**, and Cheerawit Rattanapan. Clean Technology for a Sugar Cane Industry in Thailand. International Conference on Engineering and Natural Science – Summer Session, Kyoto, Japan, 12-14 July 2016.
- Cheerawit Rattanapan, Weerawat Ounsaneha, Thunwadee Suksaroj, and **Tarinee Buadit** Green Productivity of Dairy Farms in the Central of Thailand. International Conference on Engineering and Natural Science – Summer Session, Kyoto, Japan, 12-14 July 2016.
- Weerawat Ounsaneha, **Tarinee Buadit**, and Cheerawit Rattanapan. Assessment of human health impact based on life cycle assessment: A case study of Thai retread tire. IOP Conference Series: Materials Science and Engineering, 2020, vol.773. no.1. International Conference on Materials Research and Innovation, Bangkok, 16-18 December, 2019.