

ผศ.ดร.สุวิสา มหาสันตนะ
SUWISA MAHASANDANA, Ph.D.



Position: Assistant Professor

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Education

D.Eng (Remote Sensing and Geographic Information System)

Asian Institute of Technology, Thailand

M.Eng (Environmental Engineering), Chulalongkorn University, Thailand

B.Eng (Water Resources), Kasetsart University, Thailand

Expertise

Geographic Information System (GIS) Applications for Health and Environment

Spectral Indices for Water Quality Estimation

Satellite Image Application for Environment

Water & Wastewater Treatment

Researches and Professional Experiences

- Sara Arphorn, Tomohiro Ishimaru, Kunio Hara & Suwisa Mahasandana
- Considering the effects of ambient particulate matter on the lung function of motorcycle taxi drivers in Bangkok, Thailand
Journal of the Air and Waste Management Association Jan. 2018;68 (2) :139-145
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- S.SUNTHARAPOT^{ab}, T.LIRDWITAYAPRASIT^c, P. FONGSATITKUL^{ab} and S. MAHASANDANA^{ab*}
Sea Surface Chlorophyll *a* Monitoring Using Geographic Information System Case Study : Samet Island, Rayong Province
Center of Excellence on Environmental Health and Toxicology (EHT) 2015

- Sirima Pangul^{1,2} Panagiotis Elefsiniotis¹ Chayawee Wangcharoenrungs³ Chongchin Polprasert^{1,2} and Suwisa Mahasandana^{1,2*}
ARSENIC MONITORING IN SOIL USING A GEOGRAPHIC INFORMATION SYSTEM : A CASE STUDY OF MAPTAPHUT AREA, RAYONG PROVINCE, THAILAND
Center of Excellence on Environmental Health and Toxicology (EHT) 2015
- Akaranut Meetwattana^a, Prayoon Fongsatitkul^a, Chongchin Polprasert^a and Suwisa Mahasandana^{a*}
Asenic in Shallow Groundwater Monitoring Using Geographic Information System; Case Study: Maptaphut Area, Rayong Province, Thailand
Center of Excellence on Environmental Health and Toxicology (EHT) 2015
- Worasaen, A^{1,2}, Mahasandana, S^{1,2}
Coastal Suspended Sediment Concentration Estimation using THEOS Satellite Imagery on the Chao Phraya River Mouth, Thailand
International Journal of Geoinformatics. Dec2014, Vol.10 Issue 4, p59-67
- N. SRIBOONRUANG^a, T. LIRDWITAYAPRASIT^b, P. FONGSATITKUL^a, A. TONGKUMDEE^b and S. MAHASANDANA^{a*}
SEASONAL CHLOROPHYLL A AND NITRATE RELATIONSHIP IN PRANBURI ESTUARY, THAILAND – USING GEOGRAPHIC INFORMATION SYSTEM
Center of Excellence on Environmental Health and Toxicology (EHT) 2014
- Apidet Worasaen^{*} and Suwisa Mahasandana^{*a}
Suitable GIS Interpolation for Suspended Sediment Concentration Estimation on the Chaophraya River mouth area
Center of Excellence on Environmental Health and Toxicology (EHT) 2013
- Suwisa Mahasandana, Nitin Kumar Tripathi & Kiyoshi Honda
Sea surface multispectral index model for estimating chlorophyll *a* concentration of procoastal waters in Thailand
Canadian Journal of Remote Sensing, 2009, 35 : (3) 287-296
- สนธิณี ไวยารัตน์, ประยูร ฟองสถิตกุล ไทยถาวรเลิศวิทยาประสิทธิ์ และสุวิสา มหาสันทนา
“แบบจำลองดัชนีคลื่นแสงที่เหมาะสมต่อการประมาณค่าคลอโรฟิลล์เอของน้ำบริเวณปากแม่น้ำบางปะกงของประเทศไทย”
สารสนเทศภูมิศาสตร์นเรศวร, ฉบับที่ 1 (ก.ค.-ธ.ค.2553)