



Assistant Professor Dr. Siranee Sreesai

Contact Details:

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Education:

- 2017 Cert. Professional Editor, Chulalongkorn University, Thailand
- 2015 Cert. Environmental Good Governance for Executive (Higher Level), Ministry of Natural Resource and Environment, Thailand
- 1998 D. Tech. Sc. Natural Resources Management, Asian Institute of Technology (AIT), Thailand
- 1992 M. Sc. Environmental Science, Chulalongkorn University, Thailand
- 1988 B. Sc. Environmental Health Science, Mahidol University, Thailand

Academic Awards:

Gold medal of first ranking score at Master of Science level

Present Employment:

Assistant Professor, Environmental Health Science Department, Faculty of Public Health, Mahidol University, April, 1993 – present.

Past Employments:

1. Factory Assistant Manager, Saha Farms Co., Ltd., 1988-1989.
2. Research Associate at Natural Resources and Environment Program, Thailand Development Research Institute (TDRI), 1992 -1993
3. Deputy Dean for student affair, environment, and public relation, Faculty of Public Health, Mahidol University, 2006-2011.
4. Head Department, Environmental Health Science Department, Faculty of Public Health, Mahidol University, 2012-2013.

Research Interests and Field of Specialization:

1. Environmental health management
2. Food sanitation
3. Waste recycle and management
4. Environmental health analysis

Academic Research Projects/Responsibilities:

1. The Strategy to Promote Eco-Business in Thailand. Financially supported by OECC, Japan)

2. Effect of Sewage Sludge on Growth and Heavy Metal Accumulation in Vegetables from Prathumthani Agricultural Area. (Financially supported by Chulalongkorn university)
3. Potential Factors Influencing the Diarrhoeal Disease Incident. (Financially supported by UNICEF)
4. Bioavailability Behavior of Heavy Metal from Sewage Sludge-Amended Thai Soils. (Financially supported by Royal Thai Government)
5. Heavy Metals and Nutrients Chemistry in Sewage Sludge-Amended Thai Soils. (Financially supported by WHO)
6. Movement of Heavy Metals from Sewage Sludge-Amended Farmland. (Financially supported by Royal Thai Government)
7. Toxicological Aspects of Sewage Sludge Reuse in Peri-urban Agriculture of Bangkok (Financially supported by BMA)
8. Factors Affecting the Removal Efficiency of *Chlorella* sp. from Swine Farming Industrial Wastewater by *Moina Macrocopa*. (Financially supported by Mahidol university)
9. Survival of Bio-indicators in Soil Applied with Fecal and Sewage Sludge: Comparison of the Effectiveness of Various Drying Processes. (Financially supported by JICA)
10. Investigation of Wastewater Treatment Sludges Mineralization Process (Financially supported by TUCED I&UA and DUCED I&UA)
11. Sustainable Treatment/Utilization of By-Products from BMR Septage Treatment. (Financially supported by The Thailand Research Fund)
12. Holistic health promotion for Buddhist monks in Bangkok Metropolitan temple. (Financially supported by Government research fiscal budget)
13. Surveillance and environmental health risk evaluation of gasoline service stations in Bangkok Metropolitan area. (Financially supported by Government research fiscal budget)
14. 14 The Study of Capacity Building Development on Land Use and Tourism Resource Management for Sustainable Tourism Promotion. (Financially supported by The Secretariat of the Senate)
15. Strategy of Environment Health Management for Special Economic Zone and Crossing Point Area (Financially supported by Department of Health, Ministry of Public Health)
16. Comparison of Chlorine and Peracetic Acid Disinfection Efficiency in Hospital Discharged (Financially supported by The Royal Jubilee Fund)
17. Development of Environmental Health Indicator for Healthy Community. (Financially supported by Department of Health, Ministry of Public Health)
18. Development of Sustainable Waste Management Measure for School in Rayong Province (Financially supported by Petroleum Authority of Thailand-Global Chemical)

Publication lists:

1. Phantumvanit D., Limvorapitakkul K., Sirisukhodom S. The strategy to promote eco-business in Thailand. Research report submitted to Overseas Environmental Cooperation Center (OECC), Japan. 1992.

2. Department of Environmental Health Science. Potential factors influencing the diarrhoeal disease incident. Research report prepared for United Nations International Children's Emergency Fund (UNICEF) 1993.
3. Sirisukhodom S. Movement of heavy metals from sewage sludge-amended farmland. Doctoral dissertation of Asian Institute of Technology. 1998
4. Parkpain P., Sirisukhodom S., Carbonell-Barrachina A.A. Heavy metals and nutrients chemistry in sewage sludge-amended Thai soils. *J. Environ. Sci. Health.* 1998;A33(4): 573-597
5. Huangprasert S., Sreesai S., Fongsatitkul P, Vatanasomboon P. Child and adolescent's health promotion and protection in congested areas of Bangkok Metropolis: Wat Makok community. Research report prepared for World Health Organization (WHO) 1998.
6. Maipanich W., Sirisukhodom S., Visessuk K., Waikagul J. Preliminary Report on Soli-Transmitted Helminth Eggs from Night Soil Sludge Around the Bangkok Metropolitan Area. *Journal of Tropical Medicine and Parasitology.* 1998; 21(1): 46-47.
7. Carbonell-Barrachina A., Jugsujinda A., Sirisukhodom S., Anurakpongsatorn P., Burl F., DeLaune R.D. and Patrick W.H., Jr. The influence of redox chemistry and pH on chemically active forms of arsenic in sewage sludge-amended soil. *J. of Environmental International,* 1999;25(5): 613-618.
8. Parkpain P., Sreesai S., Delaune R.D. Bioavailability behavior of heavy metals from sewage sludge-amended Thai Soils. *J. of Water, Air and Soil Pollution.* 2000; 122: 163-182.
9. Parkpain P. Sreesai S., Eckhardt H. Toxicological aspects of sewage sludge reuse in peri-urban agriculture of Bangkok. *J. of Ecology,* 1999; 7(3); 25-37.
10. Sreesai S., Asawasinsopon R., Satitvipawee P. Treatment and Reuse of Swine Wastewater. *Thammasat Int. J. Sc. Tech.,* 2002; 7(1): 13-19.
11. Sreesai S., Manmee C., Bregnhøj H., Tjell J. C. Nutrients mineralization from sludge amended acid soil in Thailand. *Malaysian Journal of Science,* 2004; 23: 203-210.
12. Sreesai S., Pakpain P. Nutrient recycling by *Chlorella* sp. from septage effluent of the Bangkok city, Thailand. *ScienceAsia,* 2007; 33(3).
13. Siranee S., Panadda P., Taninporn T., and Suthipong S. Assessment of a Potential Agricultural Application of Bangkok-digested Sewage Sludge and Finished Compost Products. *Waste Management & Research,* 2013: 31(9): 925-936.
14. Panjai P., Sreesai S., Sujirarat D., Peeratoranit T. Situation of Microbial Indicators Contamination in Food Settings of Phitsanulok Municipality, Phitsanulok Province. *Proceeding of The 7th Health Promotion and Environmental Health National Conference,* July 8-10, 2014.
15. Siranee S. Reduce Community Hazardous Waste Reduce Health Impact. *J. Public Health* 2014; 44 (3): 1-4.
16. Sreesai S. Reduce Community Hazardous, Reduce Health Impact. *J. Public Health* 2014; 44 (3): 1-4
17. Sreesai S. Green Organization Development. *J. Public Health* 2015; 45(1): 1-4

18. Peeratoranit T., Sujirarat D., Sreesai S. The Analysis of Factor Influencing Food Sanitation Situation in Phitsanulok Municipality, Phitsanulok Province J. Public Health 2015; 45(3).
19. Peeratoranit T., Viwatwongkasem C., Sreesai S. Food Sanitation Index of Local Administration Office: FSI J. Public Health 2016; 46(2).
20. Kaewcumfu T., Sreesai S., Prechthai T. Lخدumrong M., Chalermklin W. Windrow Composting of Food and Yard Wastes. J. Public Health 2017; 47(2): 131-141.

Academic Service:

1. President of Food Safety and hygienic, World University Sport. (2007).
2. Expertise in Food Establishment Quality Standard, Ministry of Public Health, Thailand. (2011-present)
3. Committee of Food and Water Surveillance of Thailand. (2010-present)
4. Committee of the Public Health Minister Consultant According to Public Health Act. (2011-2013)
5. Committee of The Community Engagement on Environmental Sustainable Project, Mahidol University, Thailand. (2006-present)
6. Committee of Food Service Establishments Sanitation in Somdet Phraborom Ratchathewi Na Si Racha Saphakachatthai Hospital, the project initiated by Her Royal Highness Princess Maha Chakri Sirindhorn. (2014)
7. Committee of Solid Waste Management in Lee-pae Island, the project initiated by Her Royal Highness Princess Maha Chakri Sirindhorn. (2013-2015)
8. Co-editor of EnvironmentAsia Journal. (2013-present)
9. Committee of Solid Waste Management and Regulation Establishment of Ministry of Public Health. (2013-2016)
10. Editor of Journal of Public Health. (2013-present)
11. Advisor of Autthaya Governor for Solid Waste Management. (2014-present)
12. Expertise in Nakhon Pathom Provincial Public Health Subcommittee (2013-present)