

ประวัติส่วนตัว

1. ชื่อ-นามสกุล (ภาษาไทย): นางศิริราณี ศรีใส

ชื่อ-นามสกุล (ภาษาอังกฤษ) : Ms. Siranee Sreesai

2. ตำแหน่งปัจจุบัน: ผู้ช่วยศาสตราจารย์

สถานที่ทำงาน: ภาควิชาวิทยาศาสตร์อนามัยสิ่งแวดล้อม

คณะสาธารณสุขศาสตร์ มหาวิทยาลัยมหิดล 420/1 ถ.ราชวิถี เขตราชเทวี กรุงเทพมหานคร 10400

โทรศัพท์: 02-3548525 โทรสาร: 02-3548525

E-mail Address: siranee.sre@mahidol.ac.th

3. ประวัติการศึกษา:

พ.ศ. 2527 – 2530 วทบ. (สาธารณสุขศาสตร์) สาขาวิชาวิทยาศาสตร์สุขภาพ, มหาวิทยาลัยมหิดล

พ.ศ. 2532 – 2534 วทม. (วิทยาศาสตร์สิ่งแวดล้อม), จุฬาลงกรณ์มหาวิทยาลัย

พ.ศ. 2538 – 2540 Doctor of Technical Sciences (Natural Resource Management), Asian Institute of Technology

พ.ศ. 2558 ประกาศนียบัตรธรรมาภิบาลสิ่งแวดล้อมสำหรับนักบริหารระดับสูง

4. สาขาวิชาการที่มีความชำนาญพิเศษ

อนามัยสิ่งแวดล้อม

การสุขภาพอาหาร

การจัดการของเสีย

การติดตามกำกับคุณภาพอนามัยสิ่งแวดล้อม

5. ประสบการณ์ที่เกี่ยวข้องกับการบริหารงานวิจัยทั้งภายในและภายนอกประเทศ

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

2. Research Coordinator: Effect of Sewage Sludge on Growth and Heavy Metal Accumulation in Vegetables from Prathumthani Agricultural Area. (Financially supported by Chulalongkorn university)

3. Research Committee: Potential Factors Influencing the Diarrhoeal Disease Incident. (Financially supported by UNICEF)

4. Research Coordinator: Bioavailability Behavior of Heavy Metal from Sewage Sludge-Amended Thai Soils. (Financially supported by Royal Thai Government)
5. Research Coordinator: Heavy Metals and Nutrients Chemistry in Sewage Sludge-Amended Thai Soils. (Financially supported by WHO)
6. Research Coordinator: Movement of Heavy Metals from Sewage Sludge-Amended Farmland. (Financially supported by Royal Thai Government)
7. Research Coordinator: Toxicological Aspects of Sewage Sludge Reuse in Peri-urban Agriculture of Bangkok (Financially supported by BMA)
8. Research Committee: Factors Affecting the Removal Efficiency of *Chlorella* sp. from Swine Farming Industrial Wastewater by *Moina Macrocopa*. (Financially supported by Mahidol university)
9. Research Coordinator: 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. Research Coordinator: Investigation of Wastewater Treatment Sludges Mineralization Process (Financially supported by TUCED I&UA and DUCED I&UA)
11. Research Coordinator: Sustainable Treatment/Utilization of By-Products from BMR Septage Treatment. (Financially supported by The Thailand Research Fund)
12. Research Committee: Holistic health promotion for Buddhist monks in Bangkok Metropolitan temple. (Financially supported by Government research fiscal budget)
13. Research Committee: Surveillance and environmental health risk evaluation of gasoline service stations in Bangkok Metropolitan area. (Financially supported by Government research fiscal budget)
14. Research Committee: 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. Research Coordinator: Comparison of Chlorine and Peracetic Acid Disinfection Efficiency in Hospital Discharged (Financially supported by The Royal Jubilee Fund)
16. Research Coordinator: Review and Development of Environmental Health Indicator for Healthy Community: Phase I. (Financially supported by Department of Health)
17. Research Coordinator: Development of Environmental Health Indicator for Healthy Community: Phase II. (Financially supported by Department of Health)

18. Research Coordinator: Rebranding the food and water sanitation system for Thailand (Financially supported by Department of Health)
19. Research Coordinator: Development of learning instruction for well-being of street food entrepreneurs. (Financially supported by Thai Health Promotion Foundation)
20. Research Coordinator: Community Participation for Food Safety Accessibility and Food Waste Management (Financially supported by Department of Health)

6. ผลงานตีพิมพ์

6.1 ผลงานตีพิมพ์ในวารสารระดับชาติ/นานาชาติ

1. 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
2. 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.
3. 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.
4. 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.
5. 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.
6. **Sreesai S.**, Asawasinsopon R., Satitvipawee P. Treatment and Reuse of Swine Wastewater. Thammasat Int. J. Sc. Tech., 2002; 7(1): 13-19.
7. **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.
8. **Sreesai S.**, Pakpain P. Nutrient recycling by *Chlorella* sp. from septage effluent of the Bangkok city, Thailand. ScienceAsia, 2007; 33(3).
9. **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.

10. 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.
11. **Siranee S.** Reduce Community Hazardous Waste Reduce Health Impact. J. Public Health 2014; 44 (3): 1-4.
12. Koonsom T., Inthorn D., **Sreesai S.**, Thiravityan P. Effect of kaolin on arsenic accumulation in rice plants (*Oryza sativa* L.) grown in arsenic contaminated soils. Environ Eng Res 2014; 19(3).
13. **Sreesai S.** Reduce Community Hazardous, Reduce Health Impact. J. Public Health 2014; 44 (3): 1-4
14. **Sreesai S.** Green Organization Development. J. Public Health 2015; 45(1): 1-4
15. 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).
16. Peeratoranit T., Viwatwongkasem C., **Sreesai S.** Food Sanitation Index of Local Administration Office: FSI J. Public Health 2016; 46(2).
17. Kaewcumfu T., **Sreesai S.**, Prechthai T. Lexdumrong M., Chalermklin W. Windrow Composting of Food and Yard Wastes. J. Public Health 2017; 47(2): 131-141.
18. Sae-tang S, **Sreesai S.**, Viwatwongkasem C., Soontornpipit P., Tritham C. Spatial Mapping of Influenza Infection by Bayesian Approach. 2018 International Electrical Engineering Congress (iEECON), 2018, pp. 1-4, doi: 10.1109/IEECON.2018.8712246.
19. Juksu K., Zhao J., Liu Y., Yao L., Sarin C., **Sreesai S.**, Klomjek P., Jiang Y., Ying G. Occurrence, fate and risk assessment of biocides in wastewater treatment plants and aquatic environments in Thailand. Science of Total Environment 2019; 690: 1110-1119.
20. Juksu K., Liu Y., Zhao J., Yao L., Sarin C., **Sreesai S.**, Klomjek P., Traitangwong A., Ying G. Emerging contaminants in aquatic environments and coastal waters affected by urban wastewater discharge in Thailand: An ecological risk perspective. Ecotoxicology and Environmental Safety 2020; 204: 110952.
21. Peeratoranit T., **Sreesai S.**, Makan W., Kongsuk W., Suwannasilapa S. A Thailand health services wastewater and effluent quality development. Thailand Journal of Health Promotion and Environmental Health. 2022; 45(1): 117-128.

22. Peeratoranit T., **Sreesai S.**, Sillabutra J. Water Use Quality Situation over 10 Years (2010 to 2019) of Hospitals under the Ministry of Public Health, Thailand. *EnvironmentAsia* 2022; 15(2): 65-74.
23. Suwannasin S., **Sreesai S.**, Warodomrungsimun,C., Singhakant C., Magun W. Reduction and regrowth of total coliform bacteria, fecal coliform bacteria, and E. coli after chlorine and peracetic acid disinfection in the hospital effluent. *ScienceAsia* 2024; 50 (1): 1-9.
doi:10.2306/scienceasia1513-1874.2024.026.
24. Siriwanarangsana S., Kingkaewcharoenchai C., **Sreesai S.** Development of food sanitation system to support digital society and the new normal. *Thailand Journal of Health Promotion and Environmental Health* 2024; 47(1): 28-39.
25. Charoensuk P., Pan-Ao C., **Sreesai S.** Development of Thailand's Environmental Health Indicators for Creating Health Supportive Environments. *EnvironmentAsia* 2025; 18(3): 170-180.

6.2 การนำเสนอผลงานในงานประชุมวิชาการระดับชาติ/นานาชาติ

1. Buntongkaw P., Warodomrungsimun C., Srisawat P., **Sreesai S.**, Bacterial disinfection in hospital cooling water. In International conference of agriculture and natural resources 2018, April 26-28, 2018, Bangkok, Thailand.
2. Takam P., Chaitiemwong N., **Sreesai S.**, Viwatwongkasem C. Food Sanitation Performance Levels of Local Administration in Chiang Rai Province, Thailand. In The 2nd International Conference on Environment, Livelihood, and Services (ICELS 2018), November 19-22, 2018, Bangkok, Thailand.
3. Sumoolvet N., **Sreesai S.**, Sillabutra J., Kanokkantapong V. Infectious waste management of the hospital in Nakhon Prathom province, Thailand. In the conference on Trends in Environmental Health (EHT-PERDO 2023), November 25, 2023, Bangkok, Thailand.
4. Duangsonsaeng J., **Sreesai S.**, Singhakant C., Sillabutra J. The Effectiveness of Food Handler Training Courses on Hygiene and Sanitation Competencies of Food Handlers in Nonthaburi Municipality. In the 17th Annual Conference on Highlighting Environmental Health Issue: Research Toward Solutions, September 20, 2025, Bangkok, Thailand.
5. Khanmee A., **Sreesai S.**, Warodomrungsimmun C., Singhakant C., Phosri A. The Assessment of Health Risks from Chemical and Microbiological Contamination in Water Use: A Case Study of Huai So Municipality, Chiang Khong District, Chiang Rai Province. In the 17th Annual

Conference on Highlighting Environmental Health Issue: Research Toward Solutions,
September 20, 2025, Bangkok, Thailand.