Curriculum Vitae

Name: Wipada Siri-anusornsak

Position: Researcher, Senior Professional Level

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EDUCATION

2011	M.Sc (Biotechnology), Chulalongkorn University, Thailand
2008	B.Sc (Food Technology), Mae Fah Luang University, Thailand

TRAINING

2022	EU-China Safe Training Program, Scientist Mobility on Advance Mass Spectrometry, United Kingdom
2013	NICEM Training Program for Environmental Management, Republic of Korea

PROFESSIONAL EXPERIENCE

2012 - present	Scientific Equipment and Research Division, Kasetsart University, Thailand

AREA OF EXPERTISE

- Bioremediation, mycotoxins in food and feed
- Water and waste water analysis, heavy metal analysis
- Spectrophotometry, chromatography

RESEARCH GRANT

As Head of Project:

2024 A novel adsorbent from edible freshwater algae waste from the active compounds extraction process and its application to agricultural products, Research and Development Institute, Kasetsart University Grant

2018 Extraction of collagen-like proteins from straw mushroom (Volvariella volvacea), Research and Development Institute, Kasetsart University Grant

2017 Phytochemical and antioxidant properties of colored rice grown in Northeastern Thailand, Research and Development Institute, Kasetsart University Grant

2014-2015 Phytoextraction of heavy metal from Dithiocarbamate fungicides contaminated soil, Research and Development Institute, Kasetsart University Grant

2012 Hydrolysis of rice straw for substrate in renewable energy production, Research and Development Institute Fund, Kasetsart University

As Co-Researcher

2024 Innovative of biopolymers from Spirogyra spp. and its bioactive compounds for food and environmental industry applications, Research and Development Institute, Kasetsart University Grant

2023 Innovative extraction of high active ingredients from Andrographis paniculate, Centella asiatica , Curcuma longa and removal of heavy metals by novel low cost bio-adsorbent materials, ARDA Grant

2021 Novel mycotoxin binder from young coconut husk to enhance the safety of agricultural products, Postharvest Technology Innovation Center (PHTIC), Chiang Mai University

2017 Relationship of phenolic compound, polyphenol, color and antioxidant of wood vinegar, Research and Development Institute, Kasetsart University Grant

2017	Cassava breeding for low cyanogen content and high productivity used as food industrial supply, National Science and Technology Development Agency (NSTDA)
2015	Production and storage factors affecting amount and chemical composition of wood vinegar, Research and Development Institute, Kasetsart University Grant
2014-2015	Potential for bioremediation of persistence residual compounds from agriculture and industry in environment, Research and Development Institute, Kasetsart University Grant

PUBLICATIONS

Soiklom, S., **Siri-anusornsak, W.**, Petchpoung, K. and Kansandee, W. 2024. Development of Anthocyanin-Rich Gel Beads from Colored Rice for Encapsulation and In Vitro Gastrointestinal Digestion. Molecules, 29, 270. https://doi.org/10.3390/molecules29010270.

Siri-Anusornsak, W., Meneely, J., Greer, B., Vangnai, K., Mahakarnchanakul, W., Elliott, C., Petchkongkaew, A. and Kolawole, O. 2023. In vitro assessment of commercial multi-mycotoxin binders to reduce the bioavailability of emerging mycotoxins in livestock. Emerging Contaminants, 9 (4), 100256. https://doi.org/10.1016/j.emcon.2023.100256.

Kolawole, O., **Siri-Anusornsak, W.**, Petchkongkaw, A., Meneely, J. and Elliott, C. 2022. The Efficacy of Additives for the Mitigation of Aflatoxins in Animal Feed: A Systematic Review and Network Meta-Analysis. Toxins 2022, 14, 707. https://doi.org/10.3390/toxins14100707.

Siri-anusornsak, W., Kolawole, O., Mahakarnchanakul, W., Greer, B., Petchkongkaew, A., Meneely, J., Elliott, C. and Vangnai, K. 2022. The Occurrence and Co-occurrence of Regulated, Emerging and Masked Mycotoxins in Rice Bran and Maize from South-east Asia. Toxins 14, 567. https://doi.org/10.3390/toxins14080567.

Soiklom, S., Petchpoooung, K., **Siri-anusornsak, W**. 2021. Comparison of Sample Pretreatment and Analytical Method for Nitrate Determination in Vegetables. Trends in Sciences 18(19): 19. https://doi.org/10.48048/tis.2021.19.

Krittaya, P., Siriwan S., **Wipada S.**, Nathawat K., Anucha T. and Thanapoom M. 2020. Predicting antioxidant activity of wood vinegar using color and spectrophotometric parameters. MethodsX 7: 1-7. http://dx.doi.org/10.1016/j.mex.2020.100783.

CONFERENCE PRESENTATIONS

Krittaya P., Siriwan S., **Wipada S.**, Thanapoom M., Adcharapun, C. and Phummarin, W. 2023. Color characteristic, active compounds and antioxidant activity of java tea (Abstract), p.216. *In* Plant Science and Agriculture (Online), 11-13 September 2023, Valencia, Spain.

Wipada S., Krittaya, P. and Siriwan S. 2019. Extraction and stability of anthocyanin from Mali Nil rice, p. 53-59. *In* The 2nd Suan Sunandha National and International Academic Conference on Science and Technology "Science, Technology and Innovation for Sustainable Development (SsSci 2019), 8 November 2019, The Royal River Hotel, Bangkok, Thailand.

Wipada S., Krittaya P., Siriwan S. and Chanram R. 2019. Relationship between color parameters, total phenolic content and protein content of local Thai rice varieties, p. 11-17. *In* The 57th of Kasetsart University Annual Conference. 29 January – 1 February, 2019. Kasetsart University, Bangkok, Thailand.

Siriwan S., Krittaya P., **Wipada S.** and Chanram R. 2019. Quantitative analysis of indole-3-acetic acid in bacterial culture media extract using HPLC, p. 27-34. *In* The 57th of Kasetsart University Annual Conference. 29 January – 1 February, 2019. Kasetsart University, Bangkok, Thailand.