

PERSONAL DATA



Name : DR. PANISA TREEPONG

Position : Lecturer

Email : panisa.t@phuket.psu.ac.th

Phone : +66-7627-6108

EDUCATION

Ph.D. Degree	2014 ? 2017	Ph.D. in Computer Science, Ecole doctorale Sciences physiques pour l'ingénieur et microtechniques, Université Bourgogne Franche-Comté, Besançon, France
Master Degree	2008 ? 2010	M.Sc. in Bioinformatics, School of Bioresources and Technology and School of Information Technology, King Mongkut's University of Technology Thonburi, Thailand.
Bachelor Degree	2003 ? 2007	B.Sc. in Information Technology, Department of Information Technology, Faculty of Technology and Environment, Prince of Songkla University - Phuket Campus, Thailand.

RESEARCH INTERESTS

Bioinformatics



Business Intelligence



Data Science



RESEARCH PROJECTS

Bioinformatics analysis of the global outbreak of *Pseudomonas aeruginosa* clone ST235
panlSa: a software to search insertion sequence (IS) on resequencing data
(<https://github.com/bvalot/panlSa>)

[Research Projects](#)

TEACHING

- Database Systems (ระบบฐานข้อมูล)
- Database System for Software Engineering (ระบบฐานข้อมูลสำหรับวิศวกรรมซอฟต์แวร์)
- Data Structures and Algorithms (โครงสร้างข้อมูลและอัลกอริทึม)
- Data Mining (เหมืองข้อมูล)
- Data Warehousing and Data Mining (คลังข้อมูลและเหมืองข้อมูล)
- Information Retrieval (การค้นคืนสารสนเทศ)
- Organization and Management (องค์กรและการจัดการ)
- Computer and Internet Technology (คอมพิวเตอร์และเทคโนโลยีอินเทอร์เน็ต)

INTERNATIONAL JOURNAL ARTICLES

N. Theera-Ampornpunt, P. Treepong, “Optimizing Hyperparameters for Thai Cuisine Recognition via Convolutional Neural Networks,” *Traitement du Signal*, vol. 40, no. 3, pp. 1187–1193, 2023.

📅 6/2023 🍌 *food computing, image recognition, object recognition, Thai food*

P. Treepong, N. Theera-Ampornpunt, “Early Bread Mold Detection Through Microscopic Images Using Convolutional Neural Network,” *Current Research in Food Science*, vol. 7, Aug. 2023, Art. no. 100574.

📅 8/2023 🍌 *image classification, Microbiology, food safety, food computing*

P. Treepong, V.N. Kos, C. Guyeux, D.S. Blanc, X. Bertrand, B. Valot, D. Hocquet, “Global emergence of the widespread *Pseudomonas aeruginosa* ST235 clone”, *Clinical Microbiology and Infection*, vol.24, no.3. pp.258–266, 2018.

📅 3/2018 🍌 *Medicine, Infectious Diseases, Microbiology*

P. Treepong, C. Guyeux, A. Meunier, C. Couchoud, D. Hocquet, and B. Valot, “panlSa: ab initio detection of insertion sequences in bacterial genomes from short read sequence data,” *Bioinformatics*, vol. 34. pp. 3795–3800, 2018.

📅 11/2018 🍌 *Mathematical & Computational Biology, Biotechnology & Applied Microbiology, Biochemical Research Methods*

INTERNATIONAL PROCEEDINGS

P. Treepong, S. Prom-on, J. H. Chan, A. Meechai, N.Hirankarn, “Effects of RNA Quality on Gene Expression Functional Profiles”, 14th International Annual Symposium on Computational Science and Engineering (ANSCSE14), Mae Fah Luang University, Chiang Rai, Thailand, pp. 65-70, 2010.

📅 1/2010

2014 - 2017 Ph.D. scholarship from Prince of Songkla University.

2008 - 2010 Full scholarship, Master's Degree in Bioinformatics, King Mongkut's University of Technology Thonburi, Thailand.

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COLLEGE OF COMPUTING

Prince of Songkla University Phuket Campus

80 M.1 Vichitsongkram Road Kathu, Phuket 83120

Email : coc@phuket.psu.ac.th

Website : computing.psu.ac.th