

CURRICULUM VITAE

Name: Ms.Krittima Anekthanakul

Address: Home: Niche Id Rama 2 - Dao Khanong Condominium Room 581/1372,
Rama 2 Road, Bang Mot, Chom Thong, Bangkok, 10150,
Thailand

Email: krittima.a@gmail.com

Tel: (66)8-4078-8300

Education:

2013-Present PhD candidate in Biotechnology program (Bioinformatics)
School of Bioresources and Technology
King Mongkut's University of Technology Thonburi
Bangkok, Thailand

2006- 2008 Master of Science (M.Sc.) in Applied Statistics and Information
Technology
National Institute of Development Administration
Bangkok, Thailand
GPA 3.33

2000-2004 Bachelor of Science (B.Sc.) in Biology (Genetics)
Kasetsart University
Bangkok, Thailand
GPA 2.82

Computer skills

Computer programming

- PHP, MySQL, Python, Perl

Web development

- Moderate background in HTML coding and CSS

Research Publication

Anekthanakul, K., Senachak, J., Hongsthong, A., Charoonratana, T., and Ruengjitchatchawalya, M. “Natural ACE inhibitory peptides discovery from *Spirulina (Arthrospira platensis)* strain C1”. Peptides. (Submitted, March 2019)

Anekthanakul, K., Hongsthong, A., Senachak, J., and Ruengjitchatchawalya, M. 2018. “SpirPep: an *in silico* digestion-based platform to assist bioactive peptides discovery from a genome-wide database”. BMC Bioinformatics. 19:149.

Anekthanakul, K., Senachak, J., Hongsthong, A., and Ruengjitchatchawalya, M. 2016. “Bioactive peptide visualization of *Spirulina (Arthrospira) platensis* C1 by GBrowse”. The 9th Asia Pacific Conference on Algal Biotechnology (APCAB 2016): Algae for Food, Feed, Fuel and Beyond, 15th - 18th November 2016, Century Park Hotel, Bangkok, Thailand: 34-44.

Senachak, J., **Anekthanakul, K.,** Romsuk, J., Hongsthong, A., and Ruengjitchatchawalya, M. 2015. “SpirPep: Proteome-wide *in silico*-digestion based pipeline for discovery of bioactive peptides”. The 7th International Peptide Symposium, 9th – 11th December 2015, Matrix Building Biopolis, Singapore.

Romsuk, J., **Anekthanakul, K.,** Hongsthong, A., Senachak, J., and Ruengjitchatchawalya, M. 2015. “Bioinformatics pipeline for bioactive peptides discovery of *ophiocordyceps sinensis* CO18 base on *in silico*-double digestion method”. The 7th International Peptide Symposium, 9th – 11th December 2015, Matrix Building Biopolis, Singapore.

Romsuk, J., **Anekthanakul, K.,** Hongsthong, A., Senachak, J., and Ruengjitchatchawalya, M. 2015. “CordiPep: Bioactive peptide discovery pipeline from *Cordyceps (Ophiocordyceps) sinensis* using *in silico* digestion”. The 27th Annual Meeting of the Thai Society for Biotechnology and International Conference (TSB 2015), 17th - 20th November 2015, Mandarin Hotel Bangkok, Thailand.

Anekthanakul, K., Hongsthong, A., Senachak, J., Laomettachtit, T., Kittichotirat, W., Ruengjitchatchawalya, M. 2015. “Computational Discovery of Bioactive Peptides for

Functional Food Production”. Thailand Research Expo 2015 (TRE 2015), 16th - 20th August 2015, Centara Grand & Bangkok Convention Centre at Central World, Bangkok, Thailand.

Dissook, S., **Anekthanakul, K.**, and Kittichotirat, W. 2013. “Screening of gold biomineralization mechanism in cyanobacteria”. *Procedia Computer Science*, 23: 129-136.

Chansue, N., Tangtrongpiros, J., Sermwatanakul, A., Haetrakul, T., Jongcheranjai, M., KIESSLICH, J., Jantapanon, T., and **Anekthanakul, K.** 2013. “Asian Arowana (*Scleropages formosus*) Sex Determination Using Different Methods”. Conference: The Annual Conference on Fisheries 2013. 5th – 6th June 2013. Department of Fisheries, Bangkok, Thailand: 137-150.

Chansue, N., Pimolbuds, S., Sermwatanakul, A., and **Anekthanakul, K.** 2009. “Hematology and Blood Chemistry in Soldier Croakers (*Boesmania microlepis*) Raised in an Open System-Environment Stream Compared to a Closed System Cement Tank”. The Annual Conference on Fisheries 2009. 22nd – 24th June 2009. Department of Fisheries, Bangkok, Thailand.

Chansue, N., Sermwatanakul, A., and **Anekthanakul, K.** 2009. “Detection of Mycobacterium in *Betta splendens* excreta by DNA analysis”. The Annual Conference on Fisheries 2009. 22nd – 24th June 2009. Department of Fisheries, Bangkok, Thailand.

Anekthanakul, K. 2008. Independent Study: Contrast Coefficient for unequal treatment interval in Completely Randomized Design (CRD). School of Applied Statistics, National Institute of Development Administration, Bangkok, Thailand.

Chansue, N., **Anekthanakul, K.**, Sothipan, S., and Ribruamsup, K. 2005. “Rapid Isolation of DNA from Mucus of Asian Arowana (*Scleropages formosus*, *Osteoglossidae*)”. Proceeding The 4th Chulalongkorn University Veterinary Annual Conference, 15th February 2005, *Thai J. Vet. Med.* 35(1): 57-58.

Anekthanakul, K. 2004. Special problem: Protein Isolation (Crystallin) in 15 fish by SDS PAGE (SDS Polyacrylamide gel electrophoresis) for polymorphism study. Department of Genetics, Faculty of Sciences, Kasetsart University, Bangkok, Thailand.

Cooperative Publication:

- Buppha, W. Maneeekhat, W., Jaratlerdsiri, W and Chansue. N. 2005. Special Project: The Use of Random Amplified Polymerphic DNA (RAPD) Markers in Sex Discrimination in Mekong Giant Catfish, *Pangasianodon gigas*. Faculty of Veterinary Science, Chulalongkorn University.
- Tangtrongpiros, J. and Chansue, N. 2005. Survey Koi Herpes Virus (KHV) disease of fancy carp (*Cyprinus carpio* Linn.) in Bangkok and perimeter in March - June 2005 J. Thai Vet. Med. Assoc. 56(3): 13-21.
- Chansue, N. 2006. Rapid Isolation of DNA from the Mucus of Asian Arowana (*Scleropages formosus*, *Osteoglossidae*). Thai J. Vet. Med. 36(4): 55-59.
- Chansue, N. and Vongpakorn, M. 2006. Hematological and Blood Chemical Data of Temminck's Kissing gourami Fish (*Helostoma temmicki*) in freshwater fisheries station of Supanburi province. Thai-NIAH eJournal: <http://www.dld.go.th/niah>, V1 N2 (September – December 2006).
- Chansue, N. and Pimolbuds, S. 2007. Studies of blood chemical profile of fresh water fish in family Cyprinidae. J. Thai Vet. Med. Assoc. 58(2): 22-31.
- Jongjareanjai, M., Assawawongkasem, N. and Chansue, N. 2009. *In vitro* Antibiotic Susceptibility of *Aeromonas hydrophila* Isolated From Disease Ornamental Fish. Thai J. Vet. Med. 39(3): 225-229.

Experience Record

- 2004-2016 - Aquatic animal Researcher at Veterinary Medical Aquatic animal Research Center (VMARC), Faculty of Veterinary Science, Chulalongkorn University, Bangkok, Thailand.
- 2004 - Volunteer in “Art for All Camp” of Art for All Foundation, Bangkok, Thailand.
- 2005-2016 - Working group in “Art for All Camp” of Art for All Foundation, Bangkok, Thailand.
- 2006-2007 - Secretary of Music Association for the Blind (MAB), Bangkok, Thailand.

- 2006-2007 - Working group and Coordinator for “DIAGNOSIS OF KOI HERPESVIRUS (KHV) DISEASE in Thailand Handbook” by The National Bureau of Agricultural Commodity and Food Standards (ACFS), Thailand.
- 2009 - Working group in Academic and Reception section: Healthy Animal in Aquarium, August 20th – 21st, 2009 at Chulalongkorn University.
- 2009-2010 - Data Analyst for Mindshare Co, Ltd, Bangkok, Thailand.
- 2010 - Committee in Science Exhibition Project “Maeklong Giant Stringray”, February 6th – 7th, 2010 at King Rama II Memorial Park, Amphawa, Amphawa, Samutsongkhram, Thailand.
- 2010-2016 - Aquatic animal researcher and biostatistician at Ornamental Aquatic animals and Aquatic animals for Conservation Research Unit (OAAC), Faculty of Veterinary Science, Chulalongkorn University, Bangkok, Thailand.

Prepared in March 2019