

Curriculum Vitae



Name: Assistant Professor Dr. Wanee Jiraungkoorskul (ผู้ช่วยศาสตราจารย์ ดร. วรณีย์ จีรอังกูรสกุล)

Work: Department of Pathobiology, Faculty of Science, Mahidol University, 272 Rama VI road, Ratchathewi District, Bangkok 10400, Thailand. Tel. (66)-02-2015563, Fax No. (66)-02-354-7158

Email: wanee.jir@mahidol.ac.th

International Publications:

1. **Jiraungkoorskul W***, Upatham ES, Kruatrachue M, Sahaphong S, Vichasri- Grams S and Pokethitiyook P. Histopathological Effects of Roundup, a Glyphosate Herbicide, to Nile tilapia (*Oreochromis niloticus*). *ScienceAsia* 2002; 28: 121-127. impact factor=0.017
2. **Jiraungkoorskul W***, Upatham ES, Kruatrachue M, Sahaphong S, Vichasri- Grams S and Pokethitiyook P. Biochemical and histopathological effects of glyphosate herbicide on Nile tilapia (*Oreochromis niloticus*). *Environmental Toxicology* 2003; 18: 260-267. impact factor =1.582
3. **Jiraungkoorskul W***, Sahaphong S, Sobhon P, Riengrojpitak S, Kangwanrangsan N. Effects of praziquantel and artesunate on the tegument of adult *Schistosoma mekongi* harboured in mice. *Parasitology International* 2005; 54:177-183. impact factor =1.083
4. **Jiraungkoorskul W***, Sahaphong S, Tansatit T, Kangwanrangsan N, Pipatshukiat S. *Eurytrema pancreaticum*: the in vitro effect of praziquantel and triclabendazole on the adult fluke. *Experimental Parasitology* 2005; 111: 172-177. impact factor=1.347
5. **Jiraungkoorskul W***, Sahaphong S, Sobhon P, Riengrojpitak S Kangwanrangsan N. *Schistosoma mekongi*: The in vitro effect of praziquantel and artesunate on the adult fluke. *Experimental Parasitology* 2006; 113: 16-23. impact factor=1.108
6. **Jiraungkoorskul W***, Sahaphong S, Kangwanrangsan N, Kim MH. Histopathological study: The effect of ascorbic acid on cadmium exposure in fish (*Puntius altus*). *Journal of Fisheries and Aquatic Science* 2006; 1(2): 191-199.

7. **Jiraungkoorskul W***, Sahaphong S, Kosai P, Kim MH. Micronucleus test: the effect of ascorbic acid on cadmium exposure in fish (*Puntius altus*). Research Journal of Environmental Toxicology 2007; 1(1): 27-36.
8. **Jiraungkoorskul W***, Sahaphong S, Kangwanrangsan N. Toxicity of copper in butterfish (*Poronotus triacanthus*): Tissues accumulation and ultrastructural changes. Environmental Toxicology 2007; 22: 92-100. impact factor =1.582
9. **Jiraungkoorskul W***, Sahaphong S, Kosai P, Kim MH. The effect of ascorbic acid on cadmium exposure in the gills of *Puntius altus*. International Journal of Zoological Research 2007; 3(2): 77-85.
10. **Jiraungkoorskul W***, Sahaphong S, Kosai P, Kirtputra P, Chawla J, Charucharoen S. Evaluation of micronucleus test's sensitivity in freshwater fish species. Research Journal of Environmental Sciences 2007; 1(2): 56-63.
11. Lamchumchang K, **Jiraungkoorskul W***, Sahaphong S, Tansatit T, Kosai P, Madarasmi R. 2007 Dietary calcium reducing effects of waterborne lead uptake in Nile Tilapia (*Oreochromis niloticus*). Asian Journal of Animal Veterinary Advances 2007; 2(3): 104-114.
12. **Jiraungkoorskul W***, Sahaphong S. Efficacy of ascorbic acid reducing waterborne copper toxicity in Butterfish (*Poronotus triacanthus*). Journal of Biological Sciences 2007; 7(4): 620-625.
13. **Jiraungkoorskul W***, Sahaphong S, Kangwanrangsan N, Zakaria S. The protective influence of ascorbic acid against the genotoxicity of waterborne lead exposure in Nile tilapia (*Oreochromis niloticus*). Journal of Fish Biology 2008; 73: 355-366. impact factor=1.393
14. McLeod DS, Sheridan JA, **Jiraungkoorskul W**, Khonsue W. A survey for Chytrid fungus in Thai Amphibians. Raffles Bulletin of Zoology 2008; 56(1): 199-204. impact factor=0.533
15. Singhadach P., **Jiraungkoorskul W***, Tansatit T, Kosai P, Ariyasrijit C. Calcium pre-exposure reducing histopathological alteration in Nile Tilapia (*Oreochromis niloticus*) after lead exposure. Journal of Fisheries and Aquatic Science 2009; 4(5): 228-237.
16. Kosai P, **Jiraungkoorskul W***, Thammasunthorn T, Jiraungkoorskul K. Reduction of copper-induced histopathological alterations by calcium exposure in Nile tilapia (*Oreochromis niloticus*). Toxicology Mechanisms and Methods 2009, July-September vol. 19: No.6-7, 461-467. Impact factor = 0.426

17. Kosai P, **Jiraungkoorskul W***, Synsatayakul A, Jiraungkoorskul K. Efficacy of calcium reducing lead toxicity in hematology of *Oreochromis niloticus*. Journal of Fisheries and Aquatic Science 2011; 6(3): 346-355. doi: 10.3923/jfas2011.
18. Palipoch S, **Jiraungkoorskul W***, Tansatit T, Preyavichyapugdee N, Jaikua W, Kosai P. Effect of *Thunbergia laurifolia* (Linn.) Leaf extract dietary supplement against lead toxicity in Nile Tilapia (*Oreochromis niloticus*). World Journal of Fish and Marine Sciences 2011; 3(1): 1-9.
19. Kosai P, **Jiraungkoorskul W***, Sachamahithinant C, Jiraungkoorskul K. Induction of testis-ova in Nile tilapia (*Oreochromis niloticus*) exposed to 17β -estradiol. Natural Science 2011; 3(3): 227-233.
20. Palipoch S, **Jiraungkoorskul W***, Tansatit T, Preyavichyapugdee N, Jaikua W, Kosai P. Protective efficiency of *Thunbergia laurifolia* leaf extract against lead (II) nitrate-induced toxicity in *Oreochromis niloticus*. Journal of Medicinal Plants Research 2011; 5(5): 719-728. Impact factor = 0.590
21. **Jiraungkoorskul W***, Singhakumar R, Jiraungkoorskul K, Kosai P. Dietary *Psidium guajava* supplementation reducing ferric nitrilotriacetate toxicity in *Puntius altus*. Research Journal of Medicinal Plant 2011; 5(6): 764-771.
22. Sirimongkolvorakul S, Tansatit T, Preyavichyapugdee N, Kosai P, Jiraungkoorskul K, **Jiraungkoorskul W***. Efficiency of *Moringa oleifera* dietary supplement reducing lead toxicity in *Puntius altus*. Journal of Medicinal Plants Research 2012; 6(2): 187-194. Impact factor = 0.879
23. Kjanijou M, Jiraungkoorskul K, Kosai P, **Jiraungkoorskul W***. Effect of *Murraya paniculata* leaf extract against *Culex quinquefasciatus* larva. Asian Journal of Biological Sciences 2012; 5(4): 201-208.
24. Pavananundt P, Jiraungkoorskul K, Kosai P, **Jiraungkoorskul W***. Larvicidal properties of *Cassia siamea* leaf against *Aedes aegypti* larvae. International Journal of Modern Agriculture 2013; 2 (1): 1-8.
25. Sirimongkolvorakul S, **Jiraungkoorskul W***, Tansatit T, Preyavichyapugdee N, Kosai P, Uakulwarawat K. Influence of *Moringa oleifera* on histopathological changes due to lead-toxicity in red-tail tinfoil barb, *Puntius altus*. Fresenius Environmental Bulletin 2013; 22: 1946-1950. Impact Factor = 0.660
26. Kosai P, Sathavorasmith P, Jiraungkoorskul L K, **Jiraungkoorskul W***. Morphometric Characters of Nile Tilapia (*Oreochromis niloticus*) in Thailand. Walailak Journal of Science and Technology 2014; 11(10): 857-863.

27. Senarat S, Kettratad J, Poolprasert P, Yenchum W, **Jiraungkoorskul W***. Histopathological finding of liver and kidney tissues of the yellow mystus, *Hemibagrus filamentus* (Fang and Chauv, 1949), from the Tapee River, Thailand. Songklanakarin Journal of Science and Technology 2015; 37(1) Jan-Feb: 1-5.
28. Kosai P, Jaikua W, Jiraungkoorskul K, **Jiraungkoorskul W***. Protective effect of *Punica granatum* on ferric nitrilotriacetate-induced toxicity in *Oreochromis niloticus*. Walailak Journal of Science and Technology 2015; 12(6): 553-563.
29. Sirimongkolvorakul S*, **Jiraungkoorskul W**, Kosai P, Inwisai T. Effect of feeding different levels of *Moringa oleifera* on growth performance and potential role in muscle proteins in fish *Puntius altus*. Walailak Journal of Science and Technology 2015; 12(6): 565-571.
30. Kosai P, **Jiraungkoorskul W***. Review of hypoglycemic activity of *Murraya paniculata* Linn. Advances in Environmental Biology 2015; 9(3): 466-472.
31. Jiraungkoorskul K, **Jiraungkoorskul W***. *Sesbania grandiflora*: New nutraceutical use as antidiabetic. International Journal of Pharmacy and Pharmaceutical Sciences 2015; 7(7): 26-29.
32. Senarat S, Kettratad J, **Jiraungkoorskul W***. Morpho-histology of the reproductive duct in short mackerel *Rastrelliger brachysoma* (Bleeker, 1865). Advances in Environmental Biology 2015; 9(8): 210-215.
33. Sirisidthi K, Kosai P, Jiraungkoorskul K, **Jiraungkoorskul W***. Review of Structure and Coloration of Ornamental Koi (*Cyprinus carpio*) Scale and Its Significance. Advances in Environmental Biology 2015; 9(11): 86-94.
34. Kosai P, Jiraungkoorskul K, Jiraungkoorskul W*. Review of Nutraceutical Use as Antidiabetic of “Rang Jeud” *Thunbergia laurifolia*. Journal of Applied Pharmaceutical Science 2015; (in press)
35. Jiraungkoorskul K, Jiraungkoorskul W*. Larvicidal and histopathological effects of *Cassia siamea* leaf extract against *Culex quinquefasciatus*. Tropical Life Science Research 2015; (in press).
36. Senarat S, Kettratad J, Jiraungkoorskul W, Kangwanrangsan N. Structural classifications in the digestive tract of short mackerel, *Rastrelliger brachysoma* (Bleeker, 1865) from Upper Gulf of Thailand. Songklanakarin Journal of Science and Technology 2015; (inpress)
37. Senarat S, Kettratad J, Jiraungkoorskul W*. Classification stages of novel atretic structure in short mackerel *Ratrilliger brachysoma* (Bleeker, 1865) from the Upper Gulf of Thailand. Songklanakarin Journal of Science and Technology 2015; (inpress)

38. Boonyoung P, Senarat S, Kettratad J, Poolprasert P, Yenchum W, **Jiraungkoorskul W***. Eye structure and chemical details of the retinal layer of juvenile queen danio *Devario regina* (Fowler, 1934) juvenile. Kasetsart Journal (Natural Science) 2015; (in press)
39. Boonyoung P, Senarat S, Kettratad J, Yenchum W, Poolprasert P, **Jiraungkoorskul W***. Microarchitectural study of the olfactory organ of *Devario regina* (Flower, 1934) using PAS technique. Journal of Bio-Science 2015; (in press)
40. **Jiraungkoorskul W***. Larvicidal and histopathological effects of *Andrographis paniculata* leaf extract against *Culex quinquefasciatus* larva. Walailak Journal of Science and Technology 2016 (in press)
41. Senarat S, Jiraungkoorskul W, Kettratad J*. Neuroanatomy and histology of the central nervous system in short mackerel, *Rastrelliger brachysoma* (Bleeker, 1865). Walailak Journal of Science and Technology 2016 (in press)
42. Senarat S, Kettratad J*, Na Lampang P, Kaewnoy S, Gettongsong T, Karnjanapak C, Palasai A, Kangwanrangsan N, Jiraungkoorskul W. Structural Organization of the Thyroid Gland and Interrenal Tissue with Reference to Endocrine Parenchyma in Short Mackerel, *Rastrelliger brachysoma* (Bleeker, 1865). Kasetsart Journal (Natural Science) 2016; (in press)

National Publications:

1. **Thongma (Jiraungkoorskul) W**, Charoenlap P. Minimum forced vital capacity exhalation time in COPD. Thai Journal Tuberculosis Chest Diseases 1995; 16: 145-148.
2. **Thongma (Jiraungkoorskul) W**, Charoenlap P. Comparative study of sputum smears for acid-fast bacilli between concentration and direct smear methods. Thai Journal Tuberculosis Chest Diseases 1996; 17: 193-198.
3. Sinlapachai S, Kettratad J, **Jiraungkoorskul W**, Poolprasert P. Histological changes on the liver, pancreas and kidney of Stoliczka's barb *Systemus stoliczkanus* (Day, 1869) from Tapee river, Nakhon sri thammarat province. Journal of Fisheries 2012, 65: 353-359.
4. Senarat S, Kettratad J, Poolprasert P, Yenchum W, **Jiraungkoorskul W**. Differential histology of the integument system in the thoracic region of *Catopsilia pomona* (Fabricius, 1758). Journal of Science and Technology, Ubon Ratchathani University 2014; 16(3) Sep-Dec: 16-20.

5. Senarat S, Kettratad J, Poolprasert P, Boonyoung P, **Jiraungkoorskul W**. Histological structures of trachea, blood vessel and skeletal muscle in the *Catopsilia pomona* (Fabricius, 1758). *Thammasat International Journal of Science and Technology* 2015; 23(2) Apr-Jun: 276-281.

Presentation

1. Jiraungkoorskul W*, Sahaphong S, Sobhon P, Riengrojpitak S, Kangwanrangsan N. Histopathological alterations of a single low- or high-dose *Schistosoma mekongi* infections in mice. The 4th TRF Academic Meeting. The Holiday Inn Resort Regent Beach Cha-Am, Petchaburi, 9-14 January 2004.
2. Jiraungkoorskul, W*, Sahaphong, S, Kangwanrangsan, N, Kim, M. Histopathological study: The effect of ascorbic acid on cadmium exposure in fish (*Puntius altus*). The 8th TRF Academic Meeting. The Holiday Inn Resort Regent Beach Cha-Am, Petchaburi, 16-18 October 2008.
3. Jaikua W, **Jiraungkoorskul W***, Tansatit T, Kosai P. Efficiency of *Punica granatum* dietary supplement reducing ferric nitrilotriacetate toxicity in *Oreochromis niloticus*. Poster Presentation in Thailand research Expo 2009 by National Research Council of Thailand, at Bangkok Convention Center, Central World Plaza, Ratchaprasong, Bangkok, Thailand, 12-16 September 2009.
4. Singhadach P, **Jiraungkoorskul W***, Tansatit T, Kosai P. Effects of calcium pre-exposure protect lead toxicity in Nile Tilapia. Poster Presentation in Thailand research Expo 2009 by National Research Council of Thailand, at Bangkok Convention Center, Central World Plaza, Ratchaprasong, Bangkok, Thailand, 12-16 September 2009.
5. Jaikua W, **Jiraungkoorskul W***, Tansatit T, Kosai P. Reduction of ferric nitrilotriacetate-induced toxicity by dietary supplement of *Punica granatum* in Nile tilapia (*Oreochromis niloticus*). Poster Presentation in The 35th Congress on Science and Technology of Thailand, at The Tide Resort (Bangsaen Beach), Chonburi, Thailand, 15-17 October 2009.
6. **Jiraungkoorskul W***, Kosai P, Singhakumar R, Lo YT, Jiraungkoorskul K. *Psidium guajava* leaf extract reducing ferric nitrilotriacetate toxicity in *Puntius altus*. The 9th TRF Academic Meeting. The Holiday Inn Resort Regent Beach Cha-Am, Petchaburi, 15-17 October 2009.
7. Jaikua W, Jiraungkoorskul W*, Tansatit T, Kosai P. Reduction of ferric nitrilotriacetate-induced toxicity by dietary supplement of *Punica granatum* in Nile tilapia (*Oreochromis niloticus*). Poster Presentation in

- MUSC Graduate Research Exposition 2009, at Faculty of Science, Mahidol university, Phayathai campus, Bangkok, Thailand, 28 October 2009.
8. **Jiraungkoorskul W***, Jaikua W, Kosai P, Jiraungkoorskul K. *Punica granatum* leaf extract reducing ferric nitrilotriacetate toxicity in *Oreochromis niloticus*. The 10th TRF Academic Meeting. The Holiday Inn Resort Regent Beach Cha-Am, Petchaburi, 14-16 October 2010.
 9. Sirimongkolvorakul S, **Jiraungkoorskul W***, Tansatit T, Preyavichyapugdee N, Kosai P, Uakulwarawat K. Influence of *Moringa oleifera* on histopathological changes due to lead toxicity in red-tail tin foil barb, *Puntius altus*. The 3rd International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2011) & SECOTOX Conference at Skiathos island, Greece, 19-24 June 2011.
 10. Sirimongkolvorakul S, **Jiraungkoorskul W***, Tansatit T, Preyavichyapugdee N, Kosai P. Effect of *Moringa oleifera* leaf on hematological parameters of the freshwater fish, *Puntius altus*. Poster presentation in the 37th Congress on Science and Technology of Thailand, Bangkok, Thailand, 10-12 October 2011.
 11. Senarat S, Chantarasawat N, Poolprasert P, Sirimongkolvorakul S, **Jiraungkoorskul W**, Warit N. Histological study of gaster part of *Tetraponera rufonigra* (Hymenoptera: Formicidae) 16th Biological Sciences Graduate Congress, Singapore, 12-13 December 2011.
 12. Sirimongkolvorakul S, **Jiraungkoorskul W***, Tansatit T, Preyavichyapugdee N, Kosai P, Uakulwarawat K. Potential *Moringa oleifera* phytochemicals protect hematological changes against lead-toxicity in teleost fish, (*Puntius Altus*). The International Environment and health Conference 2012 Penang, Malaysia, 6-7 June 2012.
 13. Sirimongkolvorakul S, **Jiraungkoorskul W**, Warrit N, Senarat S, Poolprasert P. Ovarian structure and oogenesis of web spinner *Oligotoma saundersiil* (Westwood, 1837): First record in Thailand. 38th Congress on Science and Technology of Thailand. 17-19 October 2012
 14. Sirimongkolvorakul S, Tansatit T, Preyavichyapugdee N, Kosai P, **Jiraungkoorskul W***. Protective effect of *Moringa oleifera* supplement against lead-induced toxicity in fish. 2012 Malaysia-Thailand Graduate Forum in Life Science, Food Science and Agriculture, 12-14 December 2012.
 15. Thummabancha K, **Jiraungkoorskul W**, Srisapoome P. Molecular cloning, characterization and expression analysis of cDNA encoding selenoprotein P (*On-SEPP*) in Nile Tilapia (*Oreochromis*

- niloticus*) exposed to silver Nanoparticles. The Proceeding of 51st Kasetsart University Annual Conference, 5-7 February 2013.
16. Sirimongkolvorakul S, **Jiraungkoorskul W**, Tansatit T, Preyavichyapugdee N, Kosai P. Effect of *Moringa oleifera* on antioxidant defences and PCNA labelled in gill and liver of *Puntius altus*. The 7th MUT Veterinary Annual Conference 2013, Mahanakorn University of Technology, Thailand, 22 November 2013.
 17. Klinpueng K, Kangwanrangsan N, Prachumsri JS, Jenwithisuk R, Chotivanich K, Jiraungkoorsku W. Efficiency of *Tiliacora triandra* extracts against asexual blood stage of *Plasmodium falciparum*. The 7th National Science Research Conference, Faculty of Science, Naresuan University, 30-31 March 2015.
 18. Senarat S, Kettratad J, Poolprasert P, Boonyoung P, Kangwanrangsan N, **Jiraungkoorskul W***. Hepatic Histopathology in *Rastrelliger brachysoma* (Bleeker, 1851) from The Upper Gulf of Thailand. Asia-Pacific Conference on Engineering and Applied Sciences, 25-27 August 2015.