



# Asst.Prof.Dr. JARUWAN POLJAROEN (Ph.D.)

## Experience

2011 - Present Lecturer Mahidol University Nakhonsawan Campus

## Publication

Tinikul, Y., Tinikul, R., **Poljaroen, J.**, Sobhon, P., 2022. Differential expression of neuropeptide F during embryogenesis, and its promoting effect on embryonic development of the freshwater prawn, *Macrobrachium rosenbergii* Aquaculture 555, art. no. 738260 IF=5.135 (JCR 2021)

Sroyraya, M., Songkoomkrong, S., Changklungmoa, N., **Poljaroen, J.**, Weerakiet, S., Sophonsritsuk, A., Wongkularb, A., Lertvikool, S., Tingthanatikul, Y., Sobhon, P., 2018. Differential expressions of estrogen and progesterone receptors in endometria and cyst walls of ovarian endometrioma from women with endometriosis and their responses to depo-medroxyprogesterone acetate treatment. *Molecular and Cellular Probes*. 40: 27-36 IF=2.365 (JCR 2021)

**Poljaroen, J.**, Tinikul, R., Anuracpreeda, P., Sobhon, P., Tinikul, Y., 2018. The expression and distribution of a leptin receptor in the central nervous system, digestive organs, and gonads of the giant freshwater prawn, *Macrobrachium rosenbergii*. *Acta Histochemica* 120(4):373-384 IF=2.147 (JCR 2021)

Nobsathian, S., Tuchinda, P., Sobhon, P., Tinikul, Y., **Poljaroen, J.**, Tinikul, R., Sroyraya, M., Poomton, T., Chaichotranunt, S., 2017. An antioxidant activity of the whole body of *Holothuria scabra*. *Chemical and Biological Technologies in Agriculture* 4(1),4 IF=4.839 (JCR 2021)

**Poljaroen, J.**, Tinikul, Y., Tinikul, R., Anuracpreeda, P., Sobhon, P., 2017. Leptin-like immunoreactivity in the central nervous system, digestive organs, and gonads of the giant freshwater prawn, *Macrobrachium rosenbergii*. *Acta Histochemica* 119(5): 569-581 IF=2.147 (JCR 2021)

Tingthanatikul, Y., Tawarasumida, Y., Lertvikool, S., Wongkularb, A., Sophonsritsuk, A., Weerakiet, S., Sroyraya, M., Chansela, P., Changklungmoa, N., Songkoomkrong, S., **Poljaroen, J.**, Sobhon, P., 2016. DMPA suppresses cell proliferation and enhances cell apoptosis of eutopic endometrium in women with endometriosis: A randomized controlled study *Journal of the Medical Association of Thailand* 99: 751-756 IF=0.094

Tinikul, Y., **Poljaroen, J.**, Tinikul, R., Sobhon, P., 2016. Changes in the levels, expression, and possible roles of serotonin and dopamine during embryonic development in the giant freshwater prawn, *Macrobrachium rosenbergii* *General and Comparative Endocrinology* 225: 71-80 IF=3.255 (JCR 2021)

Siangcham, T., Chansela, P., Hayasaka, T., Masaki, N., Sroyraya, M., **Poljaroen, J.**, Suwansa-ard, S., Engsusophon, A., Hanna, P.J., Sobhon, P., Setou, M., 2015. Changes of phosphatidylcholine and fatty acids in germ cells during testicular maturation in three developmental male morphotypes of *Macrobrachium rosenbergii* revealed by imaging mass spectrometry *PLoS ONE* Article number e0120412 open access IF=3.752 (JCR 2021)

Tinikul, Y., **Poljaroen, J.**, Tinikul, R., Chotwivatthanakun, C., Anuracpreeda, P., Hanna, P.J., Sobhon, P., 2015. Alterations in the levels and distribution of octopamine in the central nervous system and ovary of the Pacific white shrimp, *Litopenaeus vannamei*, and its possible role in ovarian development *General and Comparative Endocrinology* 210: 12-22. IF=3.255 (JCR 2021)

Tinikul, Y., **Poljaroen, J.**, Tinikul, R., Anuracpreeda, P., Chotwivatthanakun, C., Senin, N., Poomtong, T., Hanna, P.J., Sobhon, P., 2014. Effects of gonadotropin-releasing hormones and dopamine on ovarian maturation in the Pacific white shrimp, *Litopenaeus vannamei*, and their presence in the ovary during ovarian development *Aquaculture* 15: 79-88 IF=5.135 (JCR 2021)

Anuracpreeda, P., Srirakam, T., Pandonlan, S., Changklungmoa, N., Chotwivatthanakun, C., Tinikul, Y., **Poljaroen, J.**, Meemon, K., Sobhon, P., 2014. Production and characterization of a monoclonal antibody against recombinant cathepsin L1 of *Fasciola gigantica* *Acta Tropica* 136:1-9. IF= 3.222 (JCR 2021)

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## EDUCATION

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2013: Master of Anatomy  
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2010: Bachelor of Medical Science  
(Radiologic Technology)  
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## EXPERTISE

- Morphological and biochemical alteration of germ cells during development in crustacean
- Hormonal regulation of growth and reproductive development in decapod crustacean
- Hormonal control for feeding and reproduction of neuropeptide in decapod crustacean
- Stem cell in endometrium



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## Publication

Siangcham T., Tinikul Y., **Poljaroen J.**, Sroyraya M., Changklungmoa N., Phoungpetchara I., Kankuan W., Sumpownon C., Wanichanon C., Hanna P.J., Sobhon P., 2013. The effects of serotonin, dopamine, gonadotropin-releasing hormones, and corazonin, on the androgenic gland of the giant freshwater prawn, *Macrobrachium rosenbergii*. *General and Comparative Endocrinology* 193: 10-18. IF=3.255 (JCR 2021)

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Anuracpreeda, P., **Poljaroen, J.**, Chotwiwatthanakun, C., Tinikul, Y., Sobhon, P., 2013. Antigenic components, isolation and partial characterization of excretion-secretion fraction of *Paramphistomum cervi*. *Experimental Parasitology* 133: 327-333. IF=2.132 (JCR 2021)

Siangcham, T., Tinikul, Y., **Poljaroen, J.**, Sroyraya, M., Changklungmoa, N., Phoungpetchara, I., Kankoun, W., Sumpownon, C., Wanichanon, C., Hanna, P.J., Sobhon, P., 2013. The effects of serotonin, dopamine, gonadotropin-releasing hormones, and corazonin, on the androgenic gland of the giant freshwater prawn, *Macrobrachium rosenbergii*. *General and Comparative Endocrinology* 193:10-18 IF=3.255 (JCR 2021)

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**Poljaroen J.**, Tinikul Y., Phoungpetchara I., Kankoun W., Suwansa-ard S., Meeratana P., Cummins S., Hanna P.J., Sobhon P., 2011. The effects of biogenic amines, gonadotropin-releasing hormones and corazonin on spermatogenesis in the giant freshwater prawn, *Macrobrachium rosenbergii* (De Man, 1879). *Aquaculture* 321: 121-129. IF=5.135 (JCR 2021)

Tinikul Y., **Poljaroen J.**, Nuurai P., Anuracpreeda P., Chotwiwatthanakun C., Phoungpetchara, I., Kornthong, N., Poomtong, T., Hanna P., Sobhon, P., 2011. Existence and distribution of gonadotropin-releasing hormone-like peptides in the central nervous system and ovary in the Pacific white shrimp, *Litopenaeus vannamei*. *Cell and Tissue Research* 343: 579-593. IF= 5.249 (JCR 2021)

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Nuurai P., **Poljaroen J.**, Tinikul Y., Cummins S., Sretarugsa P., Hanna P., Wanichanon C., Sobhon P., 2010. The existence of gonadotropin-releasing hormone-like peptides in the neural ganglia and ovary of the abalone, *Haliotis asinina* L. *Acta Histochemica* 112: 38-47. IF=2.147 (JCR 2021)

Tinikul Y., Soonthornsumrith B., Phoungpetchara I., **Poljaroen J.**, Meeratana P., Duangsuwan P., Soonklang N., Mercier A.J., Sobhon P., 2009. Effects of serotonin, dopamine, octopamine, and spiperone on ovarian maturation and embryonic development in the giant freshwater prawn, *Macrobrachium rosenbergii* (De Man, 1879). *Crustaceana* 82: 1007-1022. IF= 0.758 (JCR 2021)

Duangsuwan P., Phoungpetchara I., Tinikul Y., **Poljaroen J.**, Wanichanon C., Sobhon P., 2008. Histological and three dimensional organizations of lymphoid tubules in normal lymphoid organ of *Penaeus monodon*. *Fish and Shellfish Immunology* 24: 426-435. IF= 4.622 (JCR 2021)

Khunamornpong S., Siriaunkgul S., Manusirivithaya S., Settakorn J., Srisomboon J., **Poljaroen J.**, Thorner P.S., 2008. Prognostic value of p53 expression in early stage cervical carcinoma treated by surgery. *Asian Pacific Journal of Cancer Prevention* 9: 48-52. IF= 2.514 (JCR 2021)