

**Dr. Nattawadee NANTARAT**

Doctor

Chiang Mai University, Thailand

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**Name:** Dr. Nattawadee NANTARAT

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**Place and Date of Birth:**

Chiang Rai, Thailand, May 21, 1986.

**Nationality:** Thai

**Education History**

**Graduate Education (2014):**

**Biological Sciences, Faculty of Science, CHULALONGKORN UNIVERSITY (Bangkok, Thailand)**

Doctor of Philosophy (GPA 3.90)

Degree: Ph.D.

**Ph.D. Thesis:** Systematics of the operculate land snail genus *Cyclophorus* Montfort, 1810

**Undergraduate Education (2009):**

**Biotechnology, Faculty of Agro-Industry, CHIANG MAI UNIVERSITY (Chiang Mai, Thailand)**

Bachelor of Science: Biotechnology (Agro-industry) (GPA 3.85) earning a gold medal award

and a first-class Honours degree

Degree: B.Sc. (Biotechnology)

**4th year Undergraduate Thesis project: Scholarship for Industrial and Research Project for Undergraduate Students (IRPUS):**

Effect of chitosan on chitosanase and  $\beta$ -1,3-glucanase activities in chilli pepper (*Capsicum annuum* L.)

**Academic Training: March 24 – May 23, 2008 (2 months):**

Optimization of recombinant VP28 production in *Pichia pastoris* for white spot syndrome virus protection in shrimp at National Center for Genetic Engineering and Biotechnology (BIOTEC)

**Members of Academic Society**

- UNITAS MALACOLOGICA (World Scientific Society of Malacology)

### Research Grants Award & Prize

Year	Details
2014	1. Professor Dr. Tab Nilanidhi Foundation Award for Academic Excellence in the Doctoral Degree Programs in Bioscience, Chulalongkorn University
	2. ScienceDirect Top 25 Hottest Articles (Agricultural and Biological Sciences) from October to December 2013: Title Phylogenetic relationships of the operculate land snail genus <i>Cyclophorus</i> Montfort, 1810 in Thailand
	3. The Third Place Award for Oral Presentation (Animal Systematics): The 4 <sup>nd</sup> Conference on Taxonomy and Systematics in Thailand
2012	1. The Gold Medalist Winner for Oral Presentation (Biodiversity Ecology and Systematics): The 17 <sup>th</sup> Biological Sciences Graduate Congress 2012
	2. Student Exchange Program with Chula's Japanese Partner Universities for the 2012 Academic Year
2011	1. UM Student Research Awards (The Council of Unitas Malacologica)
	2. Attended and presented (poster): The Molluscan Forum at The Natural History Museum, London.
2009	1. The Thailand Research Fund (TRF), The Royal Golden Jubilee Ph. D. Program (RGJ)
2008	1. Scholarship for Young Scientist and Technologist Program (YSTP) from the National Science and Technology Development Agency (NSTDA)
	2. Scholarship for Industrial and Research Project for Undergraduate Students

### Reports/Abstracts

- Nantarat, N.,** Tongkerd, P., Sutcharit, C., Wade, C.M., nags, F. and Panha, S. 2011. Systematics of the operculate land snail genus *Cyclophorus* Montfort, 1810 in Thailand. Abstract on the Molluscan Forum 2011, 30 November 2011, Flett Theatre Natural History Museum, London, p. 12-13 (organized by The Malacological society of London and the Natural History Museum; poster presentation).
- Nantarat, N.,** Tongkerd, P., Sutcharit, C., Wade, C.M., nags, F. and Panha, S. 2012. Systematics of the operculate land snail genus *Cyclophorus* Montfort, 1810 in Thailand. Abstract on the 2<sup>nd</sup> Conference on Taxonomy and Systematics in Thailand, 2-4 May 2012, Faculty of Science, Khon Kaen University, p. 41.
- Nantarat, N.,** Tongkerd, P., Sutcharit, C., Wade, C.M., nags, F. and Panha, S. 2012. Molecular phylogenetic of the operculate land snail genus *Cyclophorus* Montfort, 1810 in Thailand. Abstract on the 17<sup>th</sup> Biological Sciences Graduate Congress, 8-10 December 2012, Faculty of Science, Chulalongkorn University, p. 9.
- Panha, S., Siriboon, T. and **Nantarat, N.** 2012. Chulalongkorn University Museums and Collections. Proceedings of APRU Research Symposium on University Museums: Forming a University Museum Collection Network as the Core of Frontier Research, Association of Pacific Rim Universities (APRU), September 11-14, 2012, Kyoto University Japan. p. 120. (poster presentation)
- Nantarat, N.,** Tongkerd, P., Sutcharit, C., Wade, C.M., nags, F. and Panha, S. 2014. Molecular phylogeny of the operculate land snail genus *Cyclophorus* Montfort, 1810 in Thailand. Abstract on the 18<sup>th</sup> Biological Sciences Graduate Congress, 6-7 January 2014, Faculty of Science, University of Malaya, p. 98.
- Nantarat, N.,** Tongkerd, P., Sutcharit, C., Wade, C.M., nags, F. and Panha, S. 2014. Molecular phylogeny of the operculate land snail genus *Cyclophorus* Montfort, 1810 in Thailand. Abstract on the 4<sup>nd</sup> Conference on Taxonomy and Systematics in Thailand, 23-25 May 2014, Faculty of Science, Naresuan University, p. 36-37.
- Nantarat, N.,** Tongkerd, P., Sutcharit, C., Wade, C.M., nags, F. and Panha, S. 2014. Molecular phylogenetics of the operculate land snail genus *Cyclophorus* Montfort, 1810 in Thailand. Abstract on the RGJ-Ph.D. Congress XV, 28-30 May 2014, Jomtien Plam Beach Resort, Pattaya, Chonburi, p. 186.
- Chalobol Wongsawad, Pheravut Wongsawad, Kom Sukontason, Worawit Maneepitaksanti, **Nattawadee Nantarat,** Preeyaporn Butboonchoo, Atcharaphan Wanlop. 2016. Larval

stage infection of trematode in some freshwater snails from some provinces of northern Thailand. Paper presented in The 42nd Congress on Science and Technology of Thailand (STT 42), 30 November-2 December 2016, Bangkok, Thailand. 1-6.

Nithinan Chomchoei and **Nattawadee Nantarat**. 2016. Diversity, Ecology and Geometric Morphometrics of Freshwater Snails (Gastropoda) in Chiang Mai Province. Poster presented in The 42nd Congress on Science and Technology of Thailand (STT 42), 30 November-2 December 2016, Bangkok, Thailand. 1-6.

**Nattawadee Nantarat** and Somsak Punha. 2017. Phylogenetic Relationships among Populations of the Viviparid Snail *Filopaludina martensi* (Frauenfeld, 1865) in Thailand. Poster presented in TRF Annual meeting 2016, 11-13 January 2017 at The Regent Cha Am Beach Resort, Hua Hin / Cha-am, Thailand.

**Nattawadee Nantarat**. 2017. Cryptic Diversity in the Operculate Land Snails *Cyclophorus fulguratus* Pfeiffer, 1852 and *Cyclophorus volvulus* (Müller, 1774). Invited Lecture in The 34th Annual Conference of the Microscopy Society of Thailand (MST34), 31 May-Fri 2 June 2017, Bangkok, Thailand.

Chalobol Wongsawad, Preeyaporn Butboonchoo, Pheravut Wongsawad, **Nattawadee Nantarat**. Spatial Variation in Infection by Echinostome Metacercariae in Freshwater Snails Collected from Some Areas in Chiang Rai Province, Northern Thailand. Poster presented in The 34th Annual Conference of the Microscopy Society of Thailand (MST34), 31 May-Fri 2 June 2017, Bangkok, Thailand.

Unarin Sitthisarn, Chalobol Wongsawad, Pheravut Wongsawad, Jong-Yil Chai, **Nattawadee Nantarat**. *Echinoparyphium recurvatum* and Phylogenetic Tree with Other Echinostomes in Domestic Ducks from Chiang Mai Province, Thailand. Poster presented in The 34th Annual Conference of the Microscopy Society of Thailand (MST34), 31 May-Fri 2 June 2017, Bangkok, Thailand.

### Research papers

1. **Nantarat, N.**, Tongkerd, P., Sutcharit, C., Naggs, F., Wade, C.M. and Panha, S. 2014. Phylogenetic relationships of the operculate land snail genus *Cyclophorus* Montfort, 1810 in Thailand. *Molecular Phylogenetics and Evolution*, DOI <http://dx.doi.org/10.1016/j.ympev.2013.09.013>. 70: 99-111. (Impact factor 2016: 4.419)
2. **Nantarat, N.**, Sutcharit, C., Tongkerd, P., Ablett, J., Naggs, F. and Panha, S. 2014. An annotated catalogue of the type specimens of the land snail genus *Cyclophorus* Monfort, 1810 (Gastropoda: Caenogastropoda) in the Natural History Museum, London. *ZooKeys*, 41: 1-56. (Impact factor 2016: 1.031)
3. **Nantarat, N.**, Wade, C.M., Jeratthitikul, E., Sutcharit, C., Panha, S. 2014. Molecular Evidence for Cryptic Speciation in *Cyclophorus fulguratus* (Pfeiffer, 1852) Species Complex (Caenogastropoda: Cyclophoridae) with Description of New Species. *PLoS ONE* 9(10): e109785. doi:10.1371/journal.pone.0109785. (Impact factor 2016: 2.806)
4. Wongsawad, C., Wongsawad, P., Sukontason, K., Maneepitaksanti, W. and **Nantarat, N.** 2016. Molecular Phylogenetics of *Centrocestus formosanus* (Digenea: Heterophyidae) Originated from Some Species of Freshwater Fish from Chiang Mai Province, Thailand. *Korean Journal of Parasitology*. 55(1): 31–37. (Impact factor 2016: 1.027).
5. Wongsawad, C., **Nantarat N.**, Wongsawad, P. 2017. Phylogenetic analysis reveals cryptic species diversity within minute intestinal fluke, *Stellantchasmus falcatus* Onji and Nishio, 1916 (Trematoda, Heterophyidae). *Asian Pacific Journal of Tropical Medicine* : 10(2):165-170. doi: 10.1016/j.apjtm.2017.01.016. (Impact factor 2016: 0.925).
6. Lathanatudom SK, Chaowasku T, **Nantarat N**, Jaroenkit T, Smith DR, Lathanatudom P. 2017. A First Phylogeny of the Genus *Dimocarpus* and Suggestions for Revision of Some Taxa Based on Molecular and Morphological Evidence. *Scientific Reports* 7(1): doi:10.1038/s41598-017-07045-7. (Impact factor 2016: 4.259)

### Research Project

Title: Systematics and conservation biology of the viviparid freshwater snails genus *Filopaludina* Habe, 1964 (Gastropoda: Caenogastropoda: Viviparidae); The Thailand Research Fund (TRF)

**Field of interest**

1. Taxonomy and Systematics (Malacology; especially, land snails, freshwater snails, and hosts-parasite relationship)
2. Molecular Genetics and Phylogeny
3. Biological Conservation
4. Ecology
5. Environmental Biotechnology
6. Bioremediation