

รศ.ดร.ณัฐพงษ์ แก้วบุญมา
(Assoc. Prof. Dr.Nattapong Kaewboonma)

คุณสมบัติสอบและผ่านการรับรอง : สอป.ป.โท-เอก เกณท์ 58 และป.ป.โท-เอก เกณท์ 65 ผ่านความเห็นชอบ กก.บศ. ครั้งที่ 1/2568, 7 ม.ค.68

1. ตำแหน่งทางวิชาการ รองศาสตราจารย์ ดร.

2. ประวัติการศึกษา

ระดับ	ชื่อปริญญา (สาขาวิชา)	ชื่อสถาบัน, ประเทศ	ปี พ.ศ. ที่จบ
ปริญญาเอก	Ph.D. (Information Studies)	มหาวิทยาลัยขอนแก่น ประเทศไทย	2557
ปริญญาโท	M.Sc. (Science Education-Computer)	สถาบันเทคโนโลยีพระจอมเกล้าเจ้าคุณทหารลาดกระบัง ประเทศไทย	2550
ปริญญาตรี	B.BA. (Business Education-Computer)	สถาบันเทคโนโลยีราชมงคล ประเทศไทย	2544

3. ผลงานทางวิชาการ

3.1 หนังสือตำรา หรือเอกสารประกอบการสอน

3.2 งานวิจัย

3.3 บทความทางวิชาการ

3.3.1 ตีพิมพ์ในวารสารระดับชาติ

ณัฐพงษ์ แก้วบุญมา, Kulthida Tuamsuk และ วนิดา แก่นอากาศ. (2556).

“ชุดข้อมูลแบบบูรณาการเพื่อการจัดการภัยแล้งของลุ่มน้ำชี.” **CRMA Journal วารสารวิชาการ โรงเรียนนายร้อยพระจุลจอมเกล้า, 2013** (Volume 11, Issue). หน้า pp.59-74.

Tuamsuk, K., Kaewboonma, N., Chansanam, W., & Leopenwong, S. (2016). “ Taxonomy of Folktales from the Greater Mekong Sub-region.” **Knowledge Organization Journal, 43** (1). หน้า 431-440.

Kaewboonma, N., Tuamsuk, K. and Buranarach, M. (2014). “Ontology Modeling for Drought Management Information System. .” **LIBRES Research Electronic Journal, 24** (1). หน้า 21-33.

Kaewboonma, N., Tuamsuk, K. and Kanarkard, W. (2014). “Ontology Development for Drought Management Information.” **International Journal of Metadata, Semantics and Ontologies, 9** (4). หน้า 324-332.

Kaewboonma, N., Tuamsuk, K., and Kanarkard, W.. (2013). “ Knowledge Organization of Integrated Water Resources Management: A Case of Chi River Basin, Thailand.” **Journal of Information and Organization Science, 37** (2). หน้า 103-116.

Kaewboonma, N., Tuamsuk, K., Kanarkard, W.. (2013). “ Knowledge Acquisition for the Design of Flood Management Information System: Chi River Basin, Thailand. .” **Procedia - Social and Behavioral Sciences, 73** (1). หน้า 109-114.

3.3.2 ตีพิมพ์ในวารสารระดับนานาชาติ

Thipsawet, P. , Kaewboonma, N. , Lertkrai, P. , Panawong, J. & Saenkharn, N. (2025).

“Ontology-based Data Integration Framework for Smart Pig Farms”. **Current Applied Science and Technology, 25** (2). Page e0261331.

URL: <https://li01.tci-thaijo.org/index.php/cast/article/view/261331/179214>

- Detthamrong, U. , Prabbala, S. , Takhom, A. , ... Tuamsuk, K. & Chansanam, W. (2024). "THE CAUSAL RELATIONSHIP BETWEEN CRYPTOCURRENCIES AND OTHER MAJOR WORLD ECONOMIC ASSETS: A GRANGER CAUSALITY TEST". **ABAC Journal**, **44** (1). Page 124–144.
- Jaroenruen, Y. , Kaewboonma, N. & Cheng, W.-N. (2024). "Constructing Knowledge Graphs for New Species in the Greater Mekong Subregion". **Journal of Ecohumanism**, **3** (8). Page 12375-12378.
URL: <https://ecohumanism.co.uk/joe/ecohumanism/article/view/5845/5974>
- Chansanam, W. , Poonpon, K. , Jaroenruen, Y. & Kaewboonma, N. (2022). "Global Research Trend of Korean Popular Music: A Bibliometric Analysis". **Journal of Scientometric Research**, **11** (3). Page 419–426.
- Chansanam, W. , Jaroenruen, Y. , Kaewboonma, N. & Tuamsuk, K. (2022). "Culture knowledge graph construction techniques". **Education for Information**, **38** (3). Page 233–264.
URL: <https://journals.sagepub.com/doi/pdf/10.3233/EFI-220028>
- Kaewboonma, N. , Chansanam, W. & Buranarach, M. (2020). "Ontology-based big data analysis for orchid smart farming". **Libres**, **29** (2). Page 91–98.
- Thipsawet, P. , Kaewboonma, N. & Lertkrai, P. (2019). "Hypertension management ontology based on Thai guidelines on the treatment of hypertension". **Journal of Advanced Research in Dynamical and Control Systems**, **11** (8 Special Issue). Page 1136–1143.
- Kaewboonma, N. , Chansanam, W. , Puttarak, P. & Damsud, T. (2019). "Semantic knowledge management for herbal medicines used in primary health care". **Test Engineering and Management**, **81** (11-12). Page 666–671.
- Lertkrai, J. , Lertkrai, P. & Kaewboonma, N. (2019). "An ontology-based model for treatment guidelines of internet and games addiction". **International Journal of Recent Technology and Engineering**, **8** (2 Special Issue 2). Page 113–117.
- Panawong, J. , Kaewboonma, N. , Chansanam, W. , Supnithi, T. & Buranarach, M. (2019). "Building an ontology of Flora of Thailand for developing semantic electronic dictionary". **Journal of Advanced Research in Dynamical and Control Systems**, **11** (8 Special Issue). Page 1126–1135.
- Panawong, J. , Kaewboonma, N. , Chansanam, W. , Supnithi, T. & Buranarach, M. (2018). "Building an ontology of Flora of Thailand for developing semantic electronic dictionary". **Journal of Social Sciences Research**, **2018** (Special Issue 6). Page 1024–1032.
- Tuamsuk, K. , Chansanam, W. & Kaewboonma, N. (2018). "Ontology of folktales in the greater mekong subregion". **International Journal of Metadata, Semantics and Ontologies**, **13** (1). Page 57–67.
- Kaewboonma, N. & Tuamsuk, K. (2018). "Ontology of folk songs in the greater mekong subregion (GMS)". **Knowledge Organization**, **45** (1). Page 33–42.
- Tuamsuk, K. , Kaewboonma, N. , Chansanam, W. & Leopenwong, S. (2016). "Taxonomy of folktales from the greater mekong sub-region". **Knowledge Organization**, **43** (6). Page 431–439.
- Kaewboonma, N. , Tuamsuk, K. & Kanarkard, W. (2014). "Ontology development for drought management Information". **International Journal of Metadata, Semantics and Ontologies**, **9** (4). Page 324–332.
- Kaewboonma, N. , Tuamsuk, K. & Buranarach, M. (2014). "Ontology modeling for a drought management information system". **Libres**, **24** (1). Page 21–33.
URL:
<https://bpb-us-e1.wpmucdn.com/blogs.ntu.edu.sg/dist/8/644/files/2014/10/LIBRESv24i1p21-33.Kaewboonma.2014.pdf>

Kaewboonma, N. , Tuamsuk, K. & Kanarkard, W. (2013). "Knowledge organization of integrated water resources management: A case of Chi river basin, Thailand". **Journal of Information and Organizational Sciences**, **37** (2). Page 103–116.

3.3.3 ตีพิมพ์ในการประชุมวิชาการระดับชาติ

3.3.4 ตีพิมพ์ในการประชุมวิชาการระดับนานาชาติ (Proceedings)

Kaewboonma Nattapong, Lertkrai Puriwat, Chanakot, Benjamin & Lertkrai Jutaporn. (2023).

Thai Rubber Leaf Disease Classification Using Deep Learning Techniques. In 6th Artificial Intelligence and Cloud Computing Conference, AICCC 2023, During 16-18 December 2023. ACM International Conference Proceeding Series, Kyoto.

URL: <https://dl.acm.org/doi/pdf/10.1145/3639592.3639605>

Lertkrai, P. , Kaewboonma, N. , Lertkrai, J.. (2018). **Developing ontology of food and nutrition for Thai pre-school.** In AIP Conference Proceedings, During 10 April 2018 through 12 April 2018. -, Georgetown, Penang.

URL: <https://aip.scitation.org/doi/epdf/10.1063/1.5055474?src=getftr>

Panawong, J. , Kaewboonma, N. , Chansanam, W.. (2018). **Building an ontology of flora of Thailand for developing semantic electronic dictionary.** In -, During -., Georgetown, Penang.

URL: <https://aip.scitation.org/doi/pdf/10.1063/1.5055520>

Kaewboonma, N., Tuamsuk, K.. (2017). **Digital Humanities Research Approach for Folksongs Studies.** . In Proceedings of the 13th International Conference, During July 15-18, 2017. Thai Studies, Chiang Mai, Thailand..

Kaewboonma, N., Supnithi, T., Panawong, J.. (2017). **Developing Ontology for Thai Zingiberaceae: From Taxonomies to Ontologies.** In Proceedings of the 14th International Conference on Electrical Engineering/Electronics, , During June 27-30, 2017. Computer Telecommunications and Information Technology (IEEE Conference), Phuket, Thailand.

Kaewboonma, N., Panawong, J., Pianhanuruk, E. and Buranarach, M.. (2017). **Development of Intelligent Semantic Search System for Rubber Research Data in Thailand.** In Proceedings of the International Conference , During April 3-5, 2017. Applied Science and Technology, Langkawi, Malaysia.

Kaewboonma, N. , Supnithi, T. , Panawong, J.. (2017). **Developing ontology for Thai Zingiberaceae: From taxonomies to ontologies.** In ECTI-CON 2017 - 2017 14th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology, During 27 June 2017through 30 June 2017. -, Phuket, Thailand.

Kaewboonma, N. , Panawong, J. , Pianhanuruk, E. , Buranarach, M.. (2017). **Development of intelligent semantic search system for rubber research data in Thailand.** In AIP Conference Proceedings, During 3 April 2017through 5 April 2017. -, Langkawi, Kedah.

URL: <https://aip.scitation.org/doi/pdf/10.1063/1.5005406>

Kaewboonma, N., Tuamsuk, K. . (2016). **Knowledge Organization of the GMS Folksongs for Ontology Development.** In Proceedings of the 7th Asia-Pacific Conference on Library & Information Education and Practice, During November 3-4, 2017. -, Nanjing, China.

Tuamsuk, K., Kaewboonma, N., Chansanam, W., Leopenwong, S. . (2014). **Knowledge Organization of Folklores on Greater Mekong Sub-region.** In Proceedings of the 10th International Conference, During November 24-26, 2014. Knowledge Management, Antalya, Turkey.

Kaewboonma, N., Tuamsuk, K. and Buranarach, M. . (2013). **An Ontology Modeling for Drought Management Information System.** . In Proceedings of the 5th International

Conference , During July10-12, 2013. Asia-Pacific Library & Information Education & Practice, Khon Kaen, Thailand.

Kaewboonma, N., Tuamsuk, K., Kanarkard, W.. (2013). **Knowledge Acquisition for the Design of Flood Management Information System: Chi River Basin, Thailand..** In Proceedings of the 2nd International Conference , During August 30 - September 3, 2012. Integrated Information, Budapest, Hungary.

Kaewboonma, N., Tuamsuk, K., Kanarkard, W.. (2011). **Development of Knowledge-based Decision Support System for Water Resources Management of Chi River Basin, Thailand. .** In Proceedings of the International Workshop , During October 24-27, 2011. Global Collaboration of Information Schools, Beijing, China.

4. ประสบการณ์การสอนระดับอุดมศึกษา ปี

5. ภาระงานสอน