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h-index: 21 (Google Scholar citations; accessed 31 May 2022)
18 (Scopus citations; accessed 31 May 2022)

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EDUCATION

2018	Endeavour Postdoctoral Fellow (Reptile Genomics)	University of Canberra, Australia
2014	Visiting Postdoctoral Fellow (Bird Cytogenetics)	University of Kent, UK
2012	Postdoctoral Fellow (Reptile Cytogenetics)	Nagoya University, Japan
2010	Ph.D. (Genetics)	Kasetsart University, Thailand
2005	B.SC. (Biology), 1 st honor	Kasetsart University, Thailand

POSITION

- Associate Professor (Kasetsart University, Thailand)
- Deputy Dean for Special Affairs, Faculty of Science, Kasetsart University
- National Subcommittee of Bio-Circular-Green Economy (BCG Model) in the Field of Biodiversity
- Institutional Animal Care and Use Committee for Faculty of Science, Kasetsart University
- Visiting Associate Professor, Amphibian Research Center, Hiroshima University, Japan
- Guest Editor: GENES (special issue functional sex chromosome evolution)
- Editorial Board: Genes and Genomics (section Phylogenomics, Conservation Genetics, Diversity)
- Editorial Board: Genomics and Informatics
- Editorial Board: Frontier in Genetics
- 2nd Deputy Secretary-General of Genetics Society of Thailand
- Team Leader, National Betta BioResource Project (NBBRP), Kasetsart University, Bangkok, Thailand

- International Steering Committee of Asian Chromosome Colloquium

EMPLOYMENT HISTORY

- 2020 – present Visiting Associate Professor, Amphibian Research Center, Hiroshima University, Japan
- 2019 – present Associate Professor, Kasetsart University, Thailand
- 2018 (6 months) Endeavour Postdoctoral Fellow, University of Canberra, Australia
- 2014 – 2019 Assistant Professor, Kasetsart University, Thailand
- 2011 – 2012 Postdoctoral Fellow, Nagoya University, Japan
- 2010 – 2013 Lecturer, Kasetsart University, Thailand

RESEARCH INTERESTS

The aim of my study is to clarify genome and chromosome structures as well as their evolutionary processes in vertebrates by cytogenetic and molecular biology techniques. I plan to carry out the following research topics:

1. Karyological characterization in vertebrates

To reveal the karyological characterization in vertebrates, the karyotyping, chromosome banding and FISH mapping are performed. The karyological characterization data would inform us the phylogenetic hierarchy of genome evolution in vertebrates and efficiently sustain the favorable selection in animal breeding program.

2. Karyotypic and genomic evolution in vertebrates

To elucidate the process of karyotypic evolution in vertebrates, the chromosome homologies between different species in fish, amphibians, reptiles, birds and mammals are deduced using comparative chromosome mapping.

3. Origin and differentiation of sex chromosomes, diversity of sex-determining systems and sex-determining gene evolution in vertebrates

Mammals and birds have a male heterogametic XX/XY-type sex chromosome, and a female heterogametic ZZ/ZW-type sex chromosome, respectively, whereas amphibians have both XX/XY- and ZZ/ZW-type sex chromosome. By contrast, XX/XY- and ZZ/ZW-type sex chromosome not only co-exist in reptiles and fish as genetic sex determination, but the environmental sex determination such as temperature is also found in both vertebrate groups. To clarify the origin and differentiation of sex chromosomes, the comparative chromosome maps of sex chromosomes are constructed and compared them with other species. Furthermore, sex-determining genes such as *DM* and *SOX* family are proposed to be a candidate gene of sex determination in vertebrates. The orthologues and paralogues of sex-determining gene, therefore, are studied to disclose gene evolution in vertebrate.

4. Organization of repetitive element in vertebrate genome

Repetitive DNA sequences is a good chromosome marker for investigating the process of karyotypic evolution and sex chromosome identification, and for comparing the genomics structure of vertebrate species. This can be also a source for homologous recombination to initiate

various categories of chromosomal rearrangements. Here, the characterization and comparison of organized repetitive element among different species should be conducted to find the common and specific repeats in the evolutionary line.

5. Genetic and genomic diversity

To clarify the step of evolution and population demography in vertebrates, genome wide SNP, mitochondrial genome and nuclear gene analyses is used. The structure and organization are compared among different species within the same class or among population within the same species. The data sets are also scrutinized through cladistic analysis to demonstrate the genetic and genomic diversity among them.

COURSES

- Introduction to Cytogenetics
- Cytogenetics
- Principle of Genetics
- Laboratory in Genetics
- Intensive Genetics
- Research Technique in Genetics

AWARDS

2021	Impact Research Award from Kasetsart University, Thailand
2020	Outstanding Academic Personnel in Research Science Under 40 years from Kasetsart University, Thailand
2018	TWAS Prize for Young Scientists in Thailand (Biology) from the World Academy of Sciences for the advancement of science in developing countries
2016	Innovative Scientist of the year Award-2015 (for outstanding achievement in the field of Reptile Cytogenetics from the Executive Council of SARC (Scientific and Applied Research Center Meerut (U.P.) India
2014	Visiting staff under Lotus Unlimited Project, EU-Asian Mobility (Avian Comparative Genomics) at Prof. Darren Griffin's lab, University of Kent, UK
2014	KU Research Star 2013 (Biological Science)

RESEARCH FUNDINGS

- NRCT fund (National Research Council of Thailand), Thailand
- KURDI fund (Kasetsart University Research and Development Institute), Thailand
- e-Asia Joint Research Program (By collaboration between NSTDA and JST)
- National Science and Technology Development Agency (NSTDA), Thailand
- The National Primate Research Center of Thailand, NPRCT-CU) Chulalongkorn University

PUBLICATION

1. Singchat, W., A. Chaiyes, W. Wongloet, N. Ariyaraphong, K. Jaisamut, T. Panthum, S.F. Ahmad, W. Chaleekarn, W. Suksavate, M. Inpota, C. Chaisongkram, N. Kaewsalubnil, N. Muangmai, W. Chamchumroon, Y. Matsuda, P. Duengkae, and **K. Srikulnath**. 2022. Red junglefowl resource management guide: bioresource reintroduction for sustainable food security in Thailand. **Sustainability** 14: 7895. <https://doi.org/10.3390/su14137895>
2. Singchat, W., S.F. Ahmad, K. Jaisamut, T. Panthum, N. Ariyaraphong, E. Kraichak, N. Muangmai, P. Duengkae, S. Payungporn, S. Malaivijitnond, and **K. Srikulnath**. 2022. Population scale analysis of centromeric satellite DNA reveals highly dynamic evolutionary patterns and genomic organization in long-tailed and rhesus macaques. **Cells** 11: 1953. <https://doi.org/10.3390/cells11121953>.
3. Chetruengchai W., W. Singchat, C. Srichomthong, A. Assawapitaksakul, **K. Srikulnath**, S.F. Ahmad, C. Phokaew, and V. Shotelersuk. 2022. Genome of *Varanus salvator macromaculatus* (Asian water monitor) reveals adaptations in the blood coagulation and innate immune system. **Front. Ecol. Evol.** 10: 850817. <https://doi.org/10.3389/fevo.2022.850817>
4. Chaiyes A., P. Duengkae, W. Suksavate, N. Pongpattananurak, S. Wacharapluesadee, K.J. Olival, **K. Srikulnath**, S. Pattanakiat, T. Hemachudha. 2022. Mapping risk of nipah virus transmission from bats to humans in Thailand. **Ecohealth**. <https://doi.org/10.1007/s10393-022-01588-6>
5. Panthum, T. K. Jaisamut, W. Singchat, S.F. Ahmad, L. Kongkaew, W. Wongloet, S. Dokkaew, E. Kraichak, N. Muangmai, P. Duengkae, and **K. Srikulnath**. 2022. Something fishy about Siamese fighting fish (*Betta splendens*) sex: polygenic sex determination or a newly emerged sex-determining region? **Cells** 11: 1764. <https://doi.org/10.3390/cells11111764>
6. **Srikulnath, K.**⁺, S.F. Ahmad, W. Singchat, and T. Panthum⁺. 2022. Do Ty3/Gypsy transposable elements play preferential roles in sex chromosome differentiation? **Life** 12: 522. <https://doi.org/10.3390/life12040522>
7. Nguyen, D.H.M., J. Ponjarat, N. Laopichienpong, T. Panthum, W. Singchat, S.F. Ahmad, E. Kraichak, N. Muangmai, P. Duengkae, S. Peyachoknagul, U. Na-Nakorn, and **K. Srikulnath**. 2022. Genome-wide SNP analysis of hybrid clariid fish reflects the existence of polygenic sex-determination in the lineage. **Front. Genet.** 13: 789573. doi: 10.3389/fgene.2022.789573
8. **Srikulnath, K.**⁺, S.F. Ahmad⁺, T. Panthum, and S. Malaivijitnond. 2022. Importance of Thai macaque bioresources for biological research and human health. **J. Med. Primatol.** 51: 62 – 72. doi: 10.1111/jmp.12555 (Co First Author)
9. Suntronpong, A., T. Panthum, N. Laopichienpong, D.H.M. Nguyen, E. Kraichak, W. Singchat, N. Ariyaraphong, S.F. Ahmad, N. Muangmai, P. Duengkae, S. Peyachoknagul, T. Ezaz, **K. Srikulnath**. 2022. Implications of genome-wide single nucleotide polymorphisms in jade perch (*Scortum barcoo*) reveals the putative XX/XY sex-determination system, facilitating a new chapter of sex control in aquaculture. **Aquaculture** 548: 737587. <https://doi.org/10.1016/j.aquaculture.2021.737587>
10. Thapana, W., N. Ariyaraphong, P. Wongtienchai, N. Laopichienpong, W. Singchat, T. Panthum, S.F. Ahmad, E. Kraichak, N. Muangmai, P. Duengkae, and **K. Srikulnath**. 2022. Concerted and independent evolution of control regions 1 and 2 of water monitor lizards (*Varanus salvator macromaculatus*) and different phylogenetic informative markers. **Animals** 12: 148. doi: 10.3390/ani12020148.

11. Alam, S.M.I., T. Prasongmaneerut, D. Gleeson, A. Georges, S.D. Sarre, **K. Srikulnath**, and T. Ezaz. 2021. Sex-Determination Mechanisms among Populations within Cryptic Species Complex of *Calotes* (Squamata: Agamidae: Draconinae). **DNA**. 1: 49 – 67. <https://doi.org/10.3390/dna1020006>
12. Areesirisuk, P.⁺, **K. Srikulnath**⁺, P. Onsod, J. Jaroensuk, and B. Rerkamnuaychoke. 2021. Haplogroup Distribution of 309 Thais from Admixed Populations across the Country by HVI and HVII Sanger-Type Sequencing. **Diversity**. 13: 496. <https://doi.org/10.3390/d13100496> (Co First Author)
13. Ahmad, S.F., M. Jehangir, **K. Srikulnath**, and C. Martins. 2021. Fish genomics and its impact on fundamental and applied research of vertebrate biology. *Rev. Fish Biol. Fisheries*. <https://doi.org/10.1007/s11160-021-09691-7>
14. Panthum, T., N. Laopichienpong, E. Kraichak, W. Singchat, D.H.M. Nguyen, N. Ariyaraphong, S.F. Ahmad, N. Muangmai, P. Duengkae, S. Peyachoknagul, T. Ezaz, and **K. Srikulnath**. 2021. The snakeskin gourami (*Trichopodus pectoralis*) tends to exhibit XX/XY sex determination. **Fishes**. 6: 43. <https://doi.org/10.3390/fishes6040043>
15. Panthum, T., W. Singchat, N. Laopichienpong, S.F. Ahmad, E. Kraichak, P. Duengkae, N. Muangmai, N. Kitana, and **K. Srikulnath**. 2021. Genome-wide SNP analysis of male and female rice field frogs, *Hoplobatrachus rugulosus*, supports a non-genetic sex determination system. **Diversity**. 13: 501. <https://doi.org/10.3390/d13100501>
16. Singchat, W.⁺, T. Panthum, S.F. Ahmad, S. Baicharoen, N. Muangmai, P. Duengkae, D.K. Griffin, and **K. Srikulnath**⁺. 2021. Remnant of Unrelated Amniote Sex Chromosomal Linkage Sharing on the Same Chromosome in House Gecko Lizards, Providing a Better Understanding of the Ancestral Super-Sex Chromosome. **Cells**. 10: 2969. <https://doi.org/10.3390/cells10112969> (Co First Author)
17. **Srikulnath, K.**, S.F. Ahmad, W. Singchat, and T. Panthum. 2021. Why Do Some Vertebrates Have Microchromosomes? **Cells**. 10: 2182. doi.org/10.3390/cells10092182
18. Thintip, J., W. Singchat, S.F. Ahmad, N. Ariyaraphong, N. Muangmai, W. Chamchumroon, K. Pitiwong, W. Suksavate, S. Duangjai, P. Duengkae, and **K. Srikulnath**. 2021. Reduced genetic variability in a captive-bred population of the endangered Hume's pheasant (*Syrnaticus humiae*, Hume 1881) revealed by microsatellite genotyping and D-loop sequencing. **PLoS ONE**. 16: e0256573. doi.org/10.1371/journal.pone.0256573
19. Ahmad, S.F., W. Singchat, T. Panthum, and **K. Srikulnath**. 2021. Impact of repetitive DNA elements on snake genome biology and evolution. **Cells**. 10: 1707. doi.org/10.3390/cells10071707
20. Thintip, J.⁺, S.F. Ahmad⁺, W. Singchat, N. Laopichienpong, A. Sunthornphong, T. Pantum, D. H. M. Nguyen, N. Ariyaraphong, N. Muangmai, W. Suksawet, P. Duengkae, and **K. Srikulnath**. 2021. Mitochondrial genome of bronze-winged jacana (*Metopidius indicus*, Latham 1790). **Mitochondrial DNA Part B**. 6: 2251-2253. doi: 10.1080/23802359.2021.1945971 (Co First Author)
21. Ariyaraphong, N., T. Pansrikaew, K. Jangtarwan, J. Thintip, W. Singchat, N. Laopichienpong, T. Pongsanarm, T. Panthum, A. Suntronpong, S.F. Ahmad, N. Muangmai, A. Kongphoemph, A. Wongsodchuen, S. Intapan, W. Chamchumroon, M. Safoowong, P. Duengkae, and **K. Srikulnath**. 2021. Introduction of wild Chinese gorals into a captive population requires careful genetic breeding plan monitoring for successful long-term conservation. **Glob. Ecol. Conserv.** 28: e01675. doi: 10.1016/j.gecco.2021.e01675

22. Nguyen, DHM, J. Ponjarat, N. Laopichienpong, E. Kraichak, T. Panthum, W. Singchat, S.F. Ahmad, N. Muangmai, P. Duengkae, S. Peyachoknagul, T. Ezaz, U. Na-Nakorn, and **K. Srikulnath**. 2021. Genome-wide SNP analysis suggests male heterogamety in bighead catfish (*Clarias macrocephalus*, Günther, 1864). **Aquaculture**. 543: 737005. doi: 10.1016/j.aquaculture.2021.737005
23. Ariyaphong, N., N. Laopichienpong, W. Singchat, T. Panthum, S.F. Ahmad, D. Jattawa, P. Duengkae, N. Muangmai, T. Suwanasopee, S. Koonawootrittriron, and **K. Srikulnath**. 2021. High-level gene flow restricts genetic differentiation in dairy cattle populations in Thailand: Insights from large-scale mt D-loop sequencing. **Animals**. 11: 1680. doi: 10.3390/ani11061680
24. Hata, A., M. Nunome, T. Suwanasopee, P. Duengkae, S. Chaiwatana, W. Chamchumroon, T. Suzuki, S. Koonawootrittriron, Y. Matsuda, and **K. Srikulnath**. 2021. Origin and evolutionary history of domestic chickens inferred from a large population study of Thai red junglefowl and indigenous chickens. **Sci. Rep.** 11: 2035. doi: 10.1038/s41598-021-81589-7
25. Laopichienpong, N., S.F. Ahmad, W. Singchat, A. Suntronpong, T. Pongsanarm, K. Jangtarwan, J. Bulan, T. Pansrikaew, T. Panthum, N. Ariyaphong, N. Subpayakom, S. Dokkaew, N. Muangmai, P. Duengkae, and **K. Srikulnath**. 2021. Complete mitochondrial genome of Mekong fighting fish, *Betta smaragdina* (Teleostei: Osphronemidae), **Mitochondrial DNA Part B**. 6: 776-778. doi: 10.1080/23802359.2021.1882893
26. Miura, I., F. Shams, S.M. Lin, M.d.B. Cioffi, T. Liehr, A. Al-Rikabi, C. Kuwana, **K. Srikulnath**, Y. Higaki, and T. Ezaz. 2021. Evolution of a Multiple Sex-Chromosome System by Three-Sequential Translocations among Potential Sex-Chromosomes in the Taiwanese Frog *Odorrana swinhoana*. **Cells**. 10, 661. doi: 10.3390/cells10030661
27. Nguyen, D.H.M., T. Panthum, J. Ponjarat, N. Laopichienpong, E. Kraichak, W. Singchat, S.F. Ahmad, N. Muangmai, S. Peyachoknagul, U. Na-Nakorn, and **K. Srikulnath**. 2021. An Investigation of ZZ/ZW and XX/XY Sex Determination Systems in North African Catfish (*Clarias gariepinus*, Burchell, 1822). **Front. Genet.** 11: 562856. doi: 10.3389/fgene.2020.562856
28. **Srikulnath, K.**, W. Singchat, N. Laopichienpong, S.F. Ahmad, M. Jehanglr, N. Subpayakom, A. Suntronpong, K. Jangtarwan, T. Pongsanarm, T. Panthum, N. Ariyaphong, J. Camcuan, P. duengkae, S. Dokkaew, and N. Muangmai. 2021. Overview of the batta fish genome regarding species radiation, parental care, behavioral aggression, and pigmentation model relevant to humans. **Genes & Genomics**. 43(2): 91-104. doi: 10.1007/s13258-020-01027-2
29. Laopichienpong, N., E. Kraichak, W. Singchat, S. Sillapaprayoon, N. Muangmai, S. Suntrarachun, S. Baicharoen, S. Peyachoknagul, L. Chanhome, T. Ezaz, and **K. Srikulnath**. 2021. Genome-wide SNP analysis of Siamese cobra (*Naja kaouthia*) reveals the molecular basis of transitions between Z and W sex chromosomes and supports the presence of an ancestral super-sex chromosome in amniotes. **Genomics**. 113: 624-636. doi: 10.1016/j.ygeno.2020.09.058
30. Wongtienchai, P., S. Lapbenjakul, K. Jangtarwan, P. Areesirisuk, R. Mahaprom, N. Subpayakom, W. Singchat, S. Sillapaprayoon, N. Muangmai, R. Songchan, S. Baicharoen, P. Duengkae, S. Peyachoknagul, and **K. Srikulnath**. 2021. Genetic management of a water monitor lizard (*Varanus salvator macromaculatus*) population at Bang Kachao Peninsula as a consequence of urbanization with Varanus Farm Kamphaeng Saen as the first captive research establishment. **J. Zool. Syst. Evol. Res.** 59(2): 484-497. doi: 10.1111/jzs.12436

31. Ahmad, S.F., W. Singchat, M. Jehangir, A. Suntronpong, T. Panthum, S. Malaivijitnond, and **K. Srikulnath**. 2020. Dark matter of primate genomes: satellite DNA repeats and their evolutionary dynamics. **Cells**. 9: 2714. doi:10.3390/cells9122714
32. Ahmad, S.F., N. Laopichienpong, W. Singchat, A. Suntronpong, T. Pongsanarm, T. Panthum, N. Ariyaphong, J. Bulan, T. Pansrikaew, K. Jangtarwan, N. Subpayakom, S. Dokkaew, N. Muangmai, P. Duengkae, and **K. Srikulnath**. 2020. Next-generation sequencing yields complete mitochondrial genome assembly of peaceful betta fish, *Betta imbellis* (Teleostei: Osphronemidae). **Mitochondrial DNA B Resour.** 5: 3856–3858. <https://doi.org/10.1080/23802359.2020.1841582>
33. Puinongpo, W., W. Singchat, S. Petpradub, E. Kraichak, M. Nunome, N. Laopichienpong, R. Thongchum, T. Intarasorn, S. Sillapaprayoon, C. Indananda, N. Muangmai, S. Suntrarachun, S. Baicharoen, L. Chanhome, S. Peyachoknagul, and **K. Srikulnath**. 2020. Existence of Bov-B LINE retrotransposons in snake lineages reveals recent multiple horizontal gene transfers with copy number variation. **Genes**. 11: 1241. <https://doi.org/10.3390/genes11111241>
34. Singchat, W., S.F. Ahmad, N. Laopichienpong, A. Suntronpong, T. Panthum, D.K. Griffin, and **K. Srikulnath**. 2020. Snake W sex chromosome: the shadow of ancestral amniote super-sex chromosome. **Cells**. 9: 2386. doi:10.3390/cells9112386
35. Koomgun, T., N. Laopichienpong, W. Singchat, T. Panthum, R. Phatcharakullawarawat, E. Kraichak, S. Sillapaprayoon, S.F. Ahmad, N. Muangmai, S. Peyachoknagul, P. Duengkae, T. Ezaz, and **K. Srikulnath**. 2020. Genome complexity reduction high-throughput genome sequencing of green iguana (*Iguana iguana*) reveal a paradigm shift in understanding sex-chromosomal linkages on homomorphic X and Y sex chromosomes. **Front. Genet.** doi: 10.3389/fgene.2020.556267
36. Singchat, W., S.F. Ahmad, S. Sillapaprayoon, N. Muangmai, P. Duengkae, S. Peyachoknagul, R.E. O'Connor, D.K. Griffin, and **K. Srikulnath**. 2020. Partial amniote sex chromosomal linkage homologies shared on snake W sex chromosomes support the possibility of ancestral super-sex chromosome evolution in amniotes. **Front. Genet.** 11: 948. doi: 10.3389/fgene.2020.00948
37. Ahmad, S.F., W. Singchat, M. Jehangir, T. Panthum, and **K. Srikulnath**. 2020. Consequence of paradigm shift with repeat landscapes in reptiles: powerful facilitators of chromosomal rearrangements for diversity and evolution (running title: genomic impact of repeats on chromosomal dynamics in reptiles). **Genes**. 11: 827. doi:10.3390/genes11070827
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39. Majtánová, Z., P.J. Unmack, T. Prasongmaneerut, F. Shams, **K. Srikulnath**, P. Ráb, and T. Ezaz. 2020. Evidence of interspecific chromosomal diversification in rainbowfishes (Melanotaeniidae, Teleostei). **Genes**. 11: 818. doi:10.3390/genes11070818
40. Alam, S.M.I., M. Altmanová, T. Prasongmaneerut, A. Georges, S.D. Sarre, S.V. Nielsen, T. Gamble, **K. Srikulnath**, M. Rovatsos, L. Kratochvíl, and T. Ezaz. 2020. Cross-species BAC mapping highlights conservation of chromosome synteny across dragon lizards (Squamata: Agamidae). **Genes**. 11: 698. <https://doi.org/10.3390/genes11060698>

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44. Thongchum, R., H. Nishihara, **K. Srikulnath**, H. Hirai, and A. Koga. 2019. The CENP-B box, a nucleotide motif involved in centromere formation, has multiple origins in New World monkeys. **Genes Genet. Syst**. DOI: 10.1266/ggs.19-00042.
45. Jangtarwan, K., T. Koomgun, T. Prasongmaneerut, R. Thongchum, W. Singchat, P. Tawichasri, T. Fukayama, S. Sillapaprayoon, E. Kraichak, N. Muangmai, S. Baicharoen, C. Punkong, S. Peyachoknagul, P. Duengkae, and **K. Srikulnath**. 2019. Take one step backward to move forward: Assessment of genetic diversity and population structure of captive Asian woolly-necked storks (*Ciconia episcopus*). **PLoS One**. 14: e0223726. DOI: 10.1371/journal.pone.0223726.
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CONFERENCE ORGANIZATION

- 2022 Local-organizing committee: National Genetics Conference: NGC2022 in Bangkok, Thailand during June 1 – 2, 2022
- 2020 Local-organizing committee (team leader): International Conference on Innovative Approaches in Applied Sciences and Technologies (iCiAsT- 2020) in Bangkok, Thailand during December 14 – 15, 2020
- 2019 Chair organizer: The 3rd International Symposium & 2nd International Workshop on Functional Bio-Nanotechnology in Pattaya, Chonburi, Thailand during June 18 – 19, 2019
- 2019 Local-organizing committee: National Genetics Conference: NGC2019 in Pattaya, Chonburi, Thailand during June 18 – 19, 2019
- 2018 Local-organizing committee: 6th Asia-Pacific Chromosome Colloquium (APCC6): From Genomes to Chromosomes: Bridging the Gap in Canberra, Australia during July 4 – 5, 2018
- 2018 Local-organizing committee: International Conference of Agriculture and Natural Resources (ANRES 2018) in Bangkok, Thailand during April 26 – 28, 2018
- 2017 Local-organizing committee: Animal Genetic Improvement and Biotechnology Conference: Moving Towards Creative Economy in Bangkok, Thailand during July 13 – 14, 2017
- 2016 Local-organizing committee (team leader): International Conference on Innovative Approaches in Applied Sciences and Technologies (iCiAsT- 2016) in Bangkok, Thailand during February 1 – 4, 2016
- 2015 Secretary: The 5th Asian Chromosome Colloquium (New Horizon By Unifying of Chromosome Research) in Bangkok, Thailand during April 29 – May 1, 2015
- 2015 Co-organizer: The 2nd UK-Japan chromosome structure workshop in Bangkok, Thailand during May 1, 2015

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