

## REFERENCES

- Adams, W. 2000. The Social Impact of Large Dams: Equity and Distribution Issues, WCD Thematic Review Social Issue I. 1-67.
- Anderson, N. H. and Grafius, E. 1975. Utilization and processing of allochthonous material by stream Trichoptera. Verhandlungen des Internationalen Verein Limnologie. 19, 3083-3088.
- Adefemi, S. O. and Awounmi, E. E. 2010. Determination of physic-chemical parameters and heavy metals in water samples from Itaogbolu area of Ondo-State, Nigeria. African Journal of Environmental Science and Technology Vol. 4(3), pp. 145-148.
- Angrisano, E. B. and Sganga, J. V. 2009. Trichoptera. In: Domínguez E, Fernández HR (eds) Macroinvertebrados bentónicos sudamericanos. Fundación Miguel Lillo, Tucumán, Argentina.
- Arscott, D. B., Keller, B., Tockner, K. and Ward, J. V. 2003. Habitat structure and Trichoptera diversity in two headwater flood plains, N.E. Italy. International Review of Hydrobiology. 88, 255-273.
- Bergey, E.A., Bunlue, P., Silalom, S., Thapanya, D. and Chantaramongkol, P. 2010. Environmental and biological factors affect desiccation tolerance of algae from two rivers (Thailand and New Zealand) with fluctuating flow. Journal of the North American Benthological Society. 29 (2): 725-736.
- Besacier-Monbertrand, A. L., Paillex, A. and Castella, E. (2014), Short-term impacts of lateral hydrological connectivity restoration on aquatic macroinvertebrates. River Research and Applications., 30: 557–570. DOI: 10.1002/rra.2597
- Brand, C. and Miserendino, M. L. 2011. Life history strategies and production of caddisflies in a perennial headwater stream in Patagonia. Hydrobiologia. 673: 137. DOI:10.1007/s10750-011-0768-3
- Bredenhand, E. and Samways, M. J. 2009. Impact of a dam on benthic macro-

invertebrates in a small river in a biodiversity hotspot: Cape Floristic Region,  
South Africa, Journal of Insect Conservation, 13: 297–307.



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- Bunlue, P. 2012. Construction of Thai Trichoptera database in biodiversity, bio-monitoring and lotic ecosystem conservation perspectives. Doctor of Philosophy in Biology, Graduate School, Chiang Mai University.
- Chaibu, P. 2000. Potential use of Trichoptera as water pollution biomonitoring in Ping River Chiang Mai. Doctor of Philosophy in Biology, Graduate School, Chiang Mai University.
- Chaiyapa, W. 2001. Species diversity of caddisflies (Trichoptera: Philopotamidae) in Yakruea and Phromlaeng streams, Nam Nao National Park, Thailand. Master of Science Thesis in Biology, Graduate School, Khon Kaen University. (in Thai)
- Changthong, N. 2005. Spatial and temporal changes of trichoptera community diversity and water quality from streams in Phu Hin Rongkla National Park. Graduate School, Chiang Mai University.
- Chantaramongkol, P. 1983. Light-trapped Caddisflies (Trichoptera) as water quality indicators in large rivers: Results from the Danube at Veroce, Hungary. *Aquatic Insects*, 5(1):33-37.
- Cheapudee, P. 2006. Biodiversity of adult trichoptera on fringing wetlands in Chiang Mai for environmental monitoring. Graduate School, Chiang Mai University. (in Thai)
- Cheunbarn, S. and Chantaramongkol, P. 2002. Distribution of Trichoptera and Theirs Relationship to Water Quality in the Upper Ping Watershed, Thailand. *Verhandlungen International Association of Theoretical and Applied Limnology*, Stuttgart, 28:1783-1786
- Chichton, M. I. 1976. The interpretation of light trap catches of Trichoptera from the Rothamsted Insect Survey. *Proceedings of the First International Symposium on Trichoptera*, 1974. Junk Publishers, The Hague, The Netherlands, pp. 147–158.
- Cummins K. W. 1973. Trophic relations of aquatic insects. *Annual Review of Entomology*, 18:183-206.
- Cummins, K. W., Klug, J. J., Wetzel, R. G., Petersen, R. C., Suberkropp, K. F., Manny, B. A., Wuycheck, J. C. and Howard, F. O. 1972. Organic enrichment with leaf leachate in experimental lotic ecosystems. *BioScience* 22:719–722.

- Davies, B. and Day, J. 1998. Vanishing waters. University of Cape Town Press, Cape Town, South Africa.
- Djernae, M. 2011. Structure and phylogenetic significance of the sternum V glands in Trichoptera. Zootaxa 2884, 1–60.
- Flint Jr., O. S., Masteller, E. C. 1993. Emergence composition and phenology of Trichoptera from a tropical rainforest stream at El Verde, Puerto Rico. Journal of the Kansas Entomological Society. 66, 140–150.
- Hauer, F.R., Stanford, J.A. and Ward, J.V. 1989. Serial Discontinuity in a Rocky Mountain River II. Distribution and Abundance of Trichoptera, in Regulated Rivers: Research and Management Vol. 3: 177-182.
- Holzenthal, R.W., Blahnik, R. J., Prather, A. L. and Kjer, K.M., 2007. Order Trichoptera Kirby, 1813 (Insecta), caddisflies. Zootaxa 1668, 639–698.
- Holzenthal, R.W., Morse, J.C. and Kjer, K. M. 2011. Order Trichoptera Kirby, 1813. In: Zhang, Z.-Q. (Ed.) Animal biodiversity: An outline of higher-level classification and survey of taxonomic richness. Zootaxa 3148: 210-211.
- Houghton, D.C. and Holzenthal, R. W. 2010. Historical and contemporary biological diversity of Minnesota caddisflies: a case study of land- scape-level species loss and trophic composition shift. Journal of the North American Benthological Society. 29, 480–495.
- Hutchinson, G. E. 1957, A treatise on limnology, Volume 1: New York, John Wiley & Sons, 1015 p.
- Hynes, H. B. N. 1970. The ecology of running waters. University of Toronto Press, Toronto, Ontario, Canada.
- Klaytong, N. 2000. Biology of *Stenopsyche siamensis* larvae (Insecta: Trichoptera). Master of Science Thesis in Biology, Graduate School, Khon Kaen University.  
(in Thai)
- Luadee, P. 2002. Biodiversity of some aquatic insects from Chiang Dao Watershed, Chiang Mai Province for environmental. Ph. D. thesis. Graduate School, Chiang Mai University.
- Lytle, D. A. and Poff, N. L. 2004. Adaptation to natural flow regimes. Trends in

- Malicky, H. 1981. Der Indikatorwert von Kächerfliegen (Trichoptera) in grossen Flüssen [The importance of caddisflies as ecological indicators in large rivers]. Mitteilungen der Deutschen Gesellschaft Allgemeine Entomology 3 (in German): 135–137.
- Malicky, H. 1987. Anflugdistanz und Fallenfangbarkeit von Kächerfliegen (Trichoptera) bei Lichtfallen [Flight distance and catchability of caddisflies (Trichoptera) in light-traps]. Jahresbericht Biological Station Lunz 10 (in German): 140–157.
- Malicky, H. 2010. Atlas of Southeast Asian Trichoptera. Biology Department, Faculty of Science, Chiang Mai University, p.346.
- Malicky, H. and Chantaramongkol, P. 1999. A preliminary survey of the caddisflies (Trichoptera) of Thailand. Study no. 26 on caddisflies of Thailand. In: Malicky H., Chantaramongkol P. (Eds.), Proceedings of the 9th International Symposium on Trichoptera, Chiang Mai University, Chiang Mai, pp. 205–216.
- Malmqvist, B. 2002. Aquatic invertebrates in riverine landscapes. Freshwater Biology, 47: 679–694. DOI:10.1046/j.1365-2427.2002.00895.x
- Matthew P. M. and Hilmy, S. 2007. Managing the environmental impact of dams. In Ranade, P. S. (Ed.). Rivers, dams and development: Issues and Dilemmas. Punjagutta, Hyderabad, India: Icfai University Press. pp.88-104.
- Miserendino, M. L. 2001. Length-mass relationships for macroinvertebrates in freshwater environments of Patagonia (Argentina). Austral Ecology. 11, 3–8.
- Miserendino, M. L. and Brand, C. 2007. Trichoptera assemblages and environmental features in a large arid Patagonian river. Fundamental and Applied Limnology. Vol. 169(4), pp. 307-318(12).
- Morse, J.C. 1997. Phylogeny of Trichoptera. Annual Review of Entomology 42: 427–450.
- Morse, J.C. 2004. Insecta: Trichoptera. Pp. 501-539 in C.M. Yule and H.S. Yong (Eds.), Freshwater Invertebrates of the Malaysian Region. Academy of Sciences Malaysia. 861 pages.
- Munn, M. D. and Brusven, M. A. 1991. Benthic invertebrate communities in

- nonregulated and regulated waters of the Clearwater River, Idaho, USA. Regulated Rivers: Research and Management 6:1–11.
- Nakano, S. and Murakami, M. 2001. Reciprocal Subsidies: Dynamic Interdependence between Terrestrial and Aquatic Food Webs. Proceedings of the National Academy of Sciences of the United States of America, 98(1), 166-170.
- Nawvong, J. and Chantaramongkol, P. 2005. Effects of Discharge and Stream Flow Regulation on Trichoptera Communities in Northern Thailand. Proceeding of the 11th International Symposium on Trichoptera, Osaka, 309 – 316.
- Nuangchalerm, P. 2001. Species diversity of Leptoceridae (Insecta: Trichoptera) in Yakruae and Phromlaeng streams at Nam Nao National Park, Thailand. Master of Science Thesis in Biology, Graduate School, Khon Kaen University. (in Thai)
- Nuntakwang, A. 2006. Diversity of Trichoptera from mountain streams of Northern Thailand and their connection to biogeographic tracks. Ph. D. thesis. Graduate School, Chiang Mai University.
- Perry, S. A., Perry, W. B. and Stanford, J. A., 1986. Effects of stream regulation on density, growth, and emergence of two mayflies (Ephemeroptera: Ephemerellidae) and a caddisfly (Trichoptera: Hydropsychidae) in two Rocky Mountain rivers (U.S.A.), Canadian journal of zoology, vol. 64(3), 656-666 pp.
- Pescador, M. L., Masteller, E. C., Buzby, K. M. 1993. Composition and Phenology of Ephemeroptera from a tropical rainforest stream at El Verde, Puerto Rico. Journal of the Kansas Entomological Society. 66, 151–159.
- Petersen, I., Winterbottom, J. H., Orton, S., Friberg, N., Hildrew, A. G., Spiers, D. C. and Gurney, W. S. C. 1999. Emergence and lateral dispersal of adult Plecoptera and Trichoptera from Broadstone Stream. U.K. Freshwater Biology. 42, 401–416.
- Petts, G. E. 1984. Impounded Rivers: Perspectives for Ecological Management. Wiley, Chichester, 326 pp.
- Prommi, T. 1999. Diversity and distribution of Trichoptera adults from streams at different altitudes on Doi Suthep-Pui National Park, Chiang Mai Province. M. Sc. in Biology Department, Faculty of Science, Chiang Mai University. (in Thai)
- Resh, V. H., Rosenberg, D. M. 1984. The Ecology of Aquatic Insects . Praeger

Publishers, New York. 625 pp.

- Revenga C., Brunner J., Henninger, N., Kassem K. and Payne, R. 2000. Pilot analysis of global ecosystems: Freshwater Systems. World Resources Institute, Washington DC.
- Richter, S. C. 2000. Larval caddisfly predation on the eggs and embryos of *Rana capito* and *Rana sphenocephala*. *Journal of Herpetology*. 34, 590–593.
- Robert, M. 2007. Hydrological changes. Retrieved September 24, 2015, from International rivers people water life. Web site: <http://www.geo41.com/dams-and-reservoirs/#hydrological-changes>
- Ross, H. H. 1956. Evolution and classification of mountain caddisflies. University of Illinois Press, 213 pp.
- Ross, H. H. 1967. The evolution and past dispersal of Trichoptera. *Annual Review of Entomology*. Vol. 12:1-526
- Schmera, D. 2004. Effects of species weighting on conservation status evaluation: a case study with light-trap adult caddisflies (Insecta: Trichoptera), *Limnologia Ecology and Management of Inland Waters*, Vol. 34(3). 274-278.
- Sode, A. and Wiberg-Larsen, P. 1993. Dispersal of adult Trichoptera at a Danish forest brook. *Freshwater Biology* 30: 439–446.
- Stanford, J. A. and Hauer, R. F. 1992. Mitigating the impacts of stream and lake regulation in the flathead river catchment, Montana, USA: An ecosystem perspective. *Aquatic Conservation: Marine Freshwater Ecosystem*, 2: 35–63. DOI:10.1002/aqc.3270020104
- Svensson, B. W. 1972. Flight periods, ovarian maturation, and mating in Trichoptera at a South Swedish stream. *Oikos* 23: 370–383.
- Svensson, B. W. 1974. Population movements of adult Trichoptera at a South Swedish stream. *Oikos* 25: 157 – 175.
- Thapanya, D. 2004. Trichoptera communities along an altitude transect on Himalayan-inlier and Himalayan-outlier mountains in Chiang Mai Province, Thailand. Ph. D. thesis. Graduate School, Chiang Mai University.
- Thapanya, D., Bunlue, P. and Chantaramongkol, P. 2013. Adult caddisflies assemblage

- from upstream and downstream of the Mae Ngat Somboonchol dam, Chiang Mai Province, northern Thailand. Scientific Research Society of Inland Water Biology. 2: 151-156.
- Thamseranupap, P. 2005. Changes in rheophilic insect communities and trophic relations of selected taxa along and altitudinal gradient in Doi Inthanon and Doi Suthep-Pui National Park. Ph. D. thesis. Graduate School, Chiang Mai University.
- Thongdej, N. 2014. Relationship between water quality and macroinvertebrate diversity in upstream and downstream of Mae Ngat Somboonchol dam, Chiang Mai Province. M. Sc. in Environmental Science Department, Faculty of Science, Chiang Mai University. (in Thai)
- Touch, K. and Gasith, A. 1989. Effects of an upland impoundment on structural and functional properties of a small stream in a basaltic plateau (Golan Heights, Israel). *Regulated Rivers: Research & Management*, 3: 153-167.
- Truffer, B., Bratrich, C., Markard, J., Peter, A., Wüest, A. and Wehrli, B. 2003. Green Hydropower: The contribution of aquatic science research to the promotion of sustainable electricity. *Aquatic Sciences*, 65(2), 99–110.
- Vannote, R.L., Minshall, G.W., Cummins, K.W., Sedell, J.R. and Cushing, C.E., 1980. The river continuum concept. *Canadian Journal of Fisheries and Aquatic Sciences*, 37:130–137
- Ward, J. V. and Stanford, J. A. 1995. Ecological connectivity in alluvial river ecosystems and its disruption by flow regulation. *Regulated Rivers: Research and Management*, 11:105–119. DOI:10.1002/rrr.3450110109
- Ward, J. V., Tockner, K. and Schiemer, F. 1999. Biodiversity of floodplain ecosystems: Ecotones and connectivity. *Regulated Rivers: Research and Management* 15:125–139.
- Weaver, J. S. III. 1983. The evolution and classification of Trichoptera, with a revision of the Lepidostomatidae and a North American synopsis of this family. Ph.D. dissertation, Clemson Univ. Clemson, South Carolina.

- Weaver, J. S. III. 1984. The evolution and classification of Trichoptera, Part 1: the ground plan of Trichoptera. Pages 413-419 in J.C. Morse (editor). Proceedings of the 4th International Symposium on Trichoptera. Dr. W. Junk Publishers, The Hague.
- Weaver, J. S. III and Morse, J.C. 1986. Evolution of feeding and case-making behavior in Trichoptera. Journal of the North American Benthological Society 5(2): 150-158.
- Wiens, J. A. 2002. Predicting species occurrences: progress, problems, and prospects. Predicting species occurrences: issues of accuracy and scale, 739-749.
- Wiggins, G. B. 1977. Larvae of the North American caddisfly genera (Trichoptera). University of Toronto Press.
- Wiggins, G. B. 1984. "Order Trichoptera." In an introduction to the aquatic insects of North America, edited by R.W. Merritt and K.W. Cummins. Kendall-Hunt, Dubuque, Iowa. (2nd edition revised), pp.271-311.
- Wiggins, G. B., 2004. Caddisflies: The Underwater Architects. University of Toronto Press, Toronto. 292 pp.
- Williams, D. D. 2006. The biology of temporary waters. Oxford University Press, Oxford Williams and Felmaye 1992.
- Zhong, Y. and Power, G. 1996. Environmental impacts of hydroelectric projects on fish resources in China. In: Regulated Rivers: Research and Management. Vol. 12: 81-98.

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