

REFERENCES

- APHA, AWHA, WPCF. 1998. *Standard Methods for The Examination of Water and wastewater.* 20th ed. American Public Health Association, Washington DC.
- Chapman, D. 1996. *Water Quality Assessment* 2nd ed. Published on behalf of UNESCO, WHO, UNEP and E & FN SPON, London.
- Coimbra, C.N., Graca, M.A.S. and Cortes, R.M. 1996. The Effects of a Basic Effluent on Macroinvertebrate Community Structure in a Temporary Mediterranean River. *Environ. Pollut.* 94(3) : 301-307.
- Department of Agriculture Extension, Chiang Rai Province. 2004. Chiang Rai History. [Online]. Available : <http://chiangrai.doae.go.th> (2005, 16 January).
- Department of Environmental Services, Alington. 2002. *Volunteer Stream Monitoring Program 2001-2002 Data Report*. Environmental Planning Office, Virginia.
- Dudgeon, D. 1992. *Patterns and Processes in Stream Ecology*. Asynoptic Review of Hong Kong Running Water. Schweizerbart' sche verlags buchhandlung, Stuttgart.
- Dudley, W.D. and Blair W.F. 1992. *Aquatic Insects*. Redwood Press Ltd., UK.
- Goldman, C.R. and Horn, A.J. 1983. *Limnology*. McGraw-Hill Book Company, New York.
- Guerold, F. 2000. Influence of Taxonomic Determination Level on Several Community Indices. *Wat. Res.* 34(2) : 487-492.
- Hawkes, H.A. 1997. Origin and Development of the Biological Monitoring Working Party Score System. *Wat. Res.* 32(3) : 964-968.
- Hellawell, J.M. 1986. *Biological Indicators of Freshwater Pollution and Environmental Management*. Elsevier Applied Science Publishers, London.
- Hynes, H.B.N. 1970. *The Ecology of Running Waters*. Liverpool University Press, Liverpool.
- Inmuong, Y., Sangpradub, N. and Inmuong, U. 1996. *Biological Method as a Tool for Water Pollution Monitoring in Thailand (The World Health Organization,*

- Southeast Asia Region under Project THA CEH 001, RB 94/95).* Khon Kaen University, Khon Kaen.
- Jhantarawaree, C. 1983. *Respiratory Rate of Mayfly's Nymphs in Water with Different Oxygen Concentrations.* M.S. thesis, Teaching Biology Department, Chiang Mai University.
- Jitmanee, S. 2004. *Diversity of Aquatic Insects in the Area of Golden Jubilee Thong Pha Phum Project Thong Pha Phum District Kanchanaburi Province.* M.S. thesis, Biology Department, Faculty of Science, Chiang Mai University.
- Kankanamge, R.W. 1998. *Macroinvertebrate as Bioindicators for Assessing Water Pollution at Mae Moh Lignite Power Plant and Mine.* M.S. thesis, Environmental Science Program, Faculty of Science, Chiang Mai University.
- Luadee, P. 2002. *Biodiversity of Some Aquatic Insects from Chiang Dao Watershed, Chiang Mai Province for Environmental Bioassessment.* Ph.D. thesis. Biology Department, Faculty of Science, Chiang Mai University.
- Lydy, M.J., Crawford, C.G. and Frey, J.W. 2000. A Comparison of Selected Diversity, Similarity, and Biotic Indices for Detecting Changes in Benthic-Invertebrate Community Structure and Stream Quality. *Arch. Environ. Contam. Toxicol.* 34 : 469-479.
- McCafferty, W.P. 1983. *Aquatic Entomology.* Jones and Bartlett Publishers Inc., Boston.
- Merritt, W.R. and Cummins, W.K. 1984. *An Introduction to the Aquatic Insects of North America.* Kendall/Hunt Publishing Company, USA.
- Munoz, C.Z., Cantero, C.E.S., Ortega, A.S. and Tercedor, J.A. 1995. Are Biological Indices BMWP' and ASPT' and Their Significance Regarding Water Quality Seasonally Dependent? Factors Explaining Their Variations. *Wat. Res.* 29(1) : 285-290.
- Mustow, S.E. 2002. Biological Monitoring of rivers in Thailand : use and adaptation of the BMWP Score. *Hydrobiologia* 479 : 191-229.
- Nuntakwang, A. 2001. *Aquatic Insect Functional Feeding Groups as Indicators of Stream Ecosystem Attributes and Water Qualities in Doi Suthep-Pui and Doi Inthanon National Parks.* M.S. thesis, Biology Department, Faculty of Science, Chiang Mai University.

- Nutniyom, P. 2003. *Optimization of Microcystins Extraction and Monitoring of Toxins in Water Samples from Mae Kuang Udomtara Reservoir, Chiang Mai Province.* M.S. thesis, Environmental Science Program, Faculty of Science, Chiang Mai University.
- Pekthong, T. 1998. *Biodiversity of Benthic Diatoms and Their Application in Monitoring Water Quality of Mae Sa Stream Doi Suthep-Pui National Park Chiang Mai.* Ph.D. thesis, Biology Department, Faculty of Science, Chiang Mai University.
- Pollution Control Department. 2005. Surface Water quality Standard. [Online]. Available : <http://www.pcd.go.th> (2005, 10 June).
- Prommi, T. 1999. *Diversity and Distribution of Trichoptera Adults from Streams at Different Altitudes on Doi Suthep-Pui National Park, Chiang Mai Province.* M.S. thesis, Biology Department, Faculty of Science, Chiang Mai University.
- Rajchapakdee, M. 1992. *Benthic Macroinvertebrate Relative to Altitude and Water Quality in Streams on Doi Suthep.* M.S. thesis, Biology Department, Faculty of Science, Chiang Mai University.
- Royer, T.V., Robinson, C.T. and Minshall, G.W. 2001. Development of Macroinvertebrate-Based Index for Bioassessment of Idaho Rivers. *Environ. Man.* 27 (4) : 627-636.
- Ruangpanit, N. 2003. *The Ecology of Natural Resources.* Kasetsart University, Bangkok.
- Ruse, L.P. 1996. Multivariate Techniques Relating Macroinvertebrate and Environmental Data from a River Catchment. *Wat. Res.* 30(12) : 3017-3024.
- Sangphichai, C. 2003. *Diversity of Benthic Insects and Its Relationship with Heavy Metals Contents in Ping River, Chiang Mai Province.* M.S. thesis, Environmental Science Program, Faculty of Science, Chiang Mai University.
- Sangpradub, N., Inmuong, Y., Hanjavanit, C., and Inmuong U. 1996. *A Correlation Study between Freshwater Benthic Macroinvertebrate Fauna and Environmental Quality Factors in Nam Pong Basin Thailand, Part I (The Thailand Research Fund).* Khon Kaen University, Khon Kaen.
- Silalom, S. 2000. *Diversity and Distribution of Trichoptera Larvae in Streams at Different Altitude on Doi Suthep-Pui National Park, Chiang Mai Province.*

- M.S. thesis, Biology Department, Faculty of Science, Chiang Mai University.
- Soil and Water Conservation Society of Metro Halifax (SWCSMH). 2005. Freshwater Benthic Ecology and Aquatic Entomology. [Online]. Available: <http://www.lakes.chebucto.org/ZOOBENTH/BENTHOS/benthos.html> (2005, 10 June).
- Sopsop, G.O. 1995. *Case Studies on Human Impacts on Terrestrial and Aquatic Ecosystems in Northern Thailand*. ERA program, Faculty of Science, Chiang Mai University.
- Stehr, F.W. 1991. *Immature Insects* V.2. 1st ed. Kendall/Hunt Publishing Company Pubuque, Iowa.
- Tang, S. 2003. *Water Quality Monitoring Using Physical, Chemical and Biological Parameters at Chiang Mai Waterwork Pumping Stations, Thailand*. M.S. thesis, Environmental Science Program, Faculty of Science, Chiang Mai University.
- The Marion County Health Department, Indianapolis, Indiana. 2005. Macroinvertebrate Study. [Online]. Available: <http://www.mchd.com/wq/html/macro.htm> (2005, 20 January).
- Tochimoto, H., Maki, T., Afzal, M. and Tanabe, S. 2003. Accumulation of Trace Metals in Aquatic Insect *Stenopsyche marmorata* Navas Transferred in Streams. *Ecotoxicol. Environ. Saf.* 56(2) : 256-264.
- Traichaiyaporn, S. 2000. *Water Quality Analysis*. Biology Department, Faculty of Science, Chiang Mai University.
- University of Wisconsin-Stevens Point. 2004. Establishing a True Biotic Index and Comparison of Riffle and Snag Habitats Using a Modified Biotic Index. [Online]. Available: <http://www.uwsp.edu/cnr/research/gshepard/History/History.html> (2004, 2 November).
- Vijarranakorn, T. 2003. *Distribution of Microcystis aeruginosa Kütz. And Water Quality in Mae Kuang Udomtara Reservoir, Chiang Mai Province*. M.S. thesis, Environmental Science Program, Faculty of Science, Chiang Mai University.
- Walley, W.J. and Hawkes H.A. 1996. A Computer-Based Reappraisal of the

- Biological Monitoring Working Party Scores Using Data from the 1990 River Quality Survey pf England and Wales. *Wat. Res.* 30(9) : 2086-2094.
- Wannathong, P. 2001. *Study of Water Quality and Seasonal Distribution of Algae in the Tributaries of Mae Chaem River, Amphur Mae Chaem, Chiang Mai Province.* Independent study of Master degree, Biology Department, Faculty of Science, Chiang Mai University.
- Water Resources Center. 2003. Volunteer Stream Monitoring Partnership. [Online]. Available : <http://www.vsm.org> (2004, 20 December).
- Wetzel, R.G. 1983. *Limnology*. Saunders College Publishing, Philadelphia.
- Whiles, M.R., Brock, B.L., Franzen, A.C. and Dinsmore, S.C. 2000. Stream Invertebrate Communities, Water Quality, and Land-Use Patterns in an Agricultural Drainage Basin of Northeastern Nebraska, USA. *Environ. Man.* 26(5) : 563-576.
- Wiggins, G.B. 1996. *Larvae of the North American Caddisfly Genus (Trichoptera)*. 2nded. University of Toronto Press, Canada.
- Zwart, D., Trivedi, R.C. and H.A.M. de Kruiff. 1995. *Manual on Integrated Water Quality Evaluation*. Science Books International Inc., Netherlands.
- กองวางแผนการใช้ที่ดิน. 2545. แผนการใช้ที่ดินลุ่มน้ำสาขาแม่โขงตอนบน น้ำแม่จันและน้ำแม่โขง ส่วนที่ 2. กรมพัฒนาที่ดิน กระทรวงเกษตรและสหกรณ์ บริษัท พอล คอนเซท์แทนท์ : กรุงเทพฯ.
- นฤมล แสงประดับ และวิโรจน์ หนักแน่น. 2541. การศึกษาเบื้องต้นสัตว์ไม่มีกระดูกสันหลังหน้าดินในลำห้วยห้วยน้ำแข็ง และลำห้วยพรอมแล้ง อุทยานแห่งชาติน้ำหนาว. ภาควิชาชีววิทยา คณะวิทยาศาสตร์ มหาวิทยาลัยขอนแก่น.
- พรพิพิธ จันทร์มงคล วันชัย สนธิชัย ยุวดี พิรพารพิศาล และวีระ วงศ์คำ. 2541. การติดตามตรวจสอบคุณภาพน้ำทางด้านชีววิทยาจากแหล่งน้ำบนดอยอินทนนท์และแม่น้ำ. ศูนย์วิจัยน้ำ คณะวิทยาศาสตร์ มหาวิทยาลัยเชียงใหม่.
- วันชัย สนธิไชย. 2537. จุลชีววิทยา. ภาควิชาชีววิทยา คณะวิทยาศาสตร์ มหาวิทยาลัยเชียงใหม่.
- วีระ วงศ์คำ ศกุณลี บรรสมบัติ ยุวดี พิรพารพิศาล วันชัยสนธิไชย อำนาจ ใจนัน พนูลี้ พรพิพิธ จันทร์มงคล และวีระศักดิ์ รุ่งเรืองวงศ์. 2543. การประเมินคุณภาพน้ำ โดยใช้ดัชนีทางด้านชีวภาพเพื่อศึกษาผลกระทบต่อสิ่งแวดล้อมของต้นน้ำแม่กลอง บริเวณอุทยานแห่งชาติดอยอินทนนท์. สถาบันวิจัยและพัฒนาวิทยาศาสตร์และเทคโนโลยี มหาวิทยาลัยเชียงใหม่.