

REFERENCES

- Alamgir, Md. S., 1997. The application of remote sensing and GIS to the impact assessment and resource management of flood control, drainage and irrigation projects: A case study of Meghna Dhonagoda irrigation project, Bangladesh. Thesis for the degree of Master in Engineering, School of Environment, resources and Development, Asian Institute of Technology, Bangkok, Thailand, 83 pp.
- Anbalagan. D., 1992. Landslide hazard evaluation and zonation mapping in mountainous terrain. Eng. Geol. 32 :267-277.
- Anbalagan. R., and Singh, B., 2001. Landslide hazard and risk mapping in the Himalaya. In: Tianchi , Li , chalise, S.R. and Upreti , B.N. (eds) Landslide Hazard mitigation on the Hindu Kush-Himalayas. International Center for Integrated Mountain Development, Kathmandu, Nepal , pp. 163-188.
- Anderson, M.G., 1988. Modelling geomorphological systems. (n.p.):John Wiley & Sons, 458 pp.
- ASTM D 422-63. Standard Test Method for Particle-Size Analysis of Soils. In Annual Book of ASTM Standards (Vol. 04.08). Philadelphia: American Society for Testing and Materials.
- ASTM D 2487-00. Standard Classification of Soils for Engineering Purposes (Unified Soil Classification System). In Annual Book of ASTM Standards (Vol. 04.08). Philadelphia: American Society for Testing and Materials.
- ASTM D 2488-00. Standard Practice for Description and Identification of Soils (Visual-Manual Procedure). In Annual Book of ASTM Standards (Vol. 04.08). Philadelphia: American Society for Testing and Materials.
- ASTM D 4318-00. Test Method for Liquid Limit, Plastic Limit, and Plasticity Index of Soils. In Annual Book of ASTM Standards (Vol. 04.08). Philadelphia: American Society for Testing and Materials.

- ASTM D5731-95. Standard test method for determination of the point load strength index of rock. Annual Book of ASTM Standards, 04.08. Philadelphia: American Society for Testing and Materials.
- Brown, E.T. (eds.) 1981. Rock Characterization Testing and Monitoring: ISRM Suggested Methods. International Society for Rock Mechanics: Pergamon Press.
- Aung, Z., 1991. The study of landslide susceptibility using the GIS approach, West of Amphoe Phi Pun, Nakhon Sri Thammarat Province. Master's Thesis, Asian Institute of Technology. Bangkok, Thailand, 84 pp.
- Bell, F.G., 1999. Geological hazards : Their assessment, avoidance and mitigation. E & FN Spon, an imprint of Routledge, pp. 1-12, 114-163, 245-281, 390-439.
- Beverage, J.P., and Culbertson, J.K., 1964. Hyperconcentrations of suspended sediment: American Society of Civil Engineers, Journal of the Hydraulics Division 90, HY6:117-126.
- Blair, T.C., and McPherson, J.G., 1994. Alluvial fan processes and forms, in Abrahams, A.D., and Parsons A.J., editors, Geomorphology of desert environments: London, Chapman and Hall, pp. 355-402.
- Bonham-Carter, G.F., 1996. Geographic information systems for geoscientists, modelling with GIS. Canada Pergamon Press, 398 pp.
- Brabb, E.E., 1984. Innovative approaches to landslide hazard and risk mapping. International Symposium on Landslides, Toronto, Canada 1 (September):307-323.
- Brand, E.W., 1984. Landslide in Southeast Asia: a state –of-the-art report. Proceeding of the 4th International Symposium on Landslides 1:17-59.
- Breunig, M., 1996. Integration of spatial information for geo-information systems. Lecture notes in earth sciences, Springer-Verlag Berlin Heidelberg, 171 pp.
- Burrough, P.A., 1986. Principals of geographical information systems and land resources assessment. Clerandon Press, Oxford, England, 194 pp.

- Cannon, S. H., 1997. Evaluation of the potential for debris and hyperconcentrated flows in Capulin Canyon as a result of the 1996 Dome Fire, Bandelier National Monument, New Mexico: U.S. Geological Survey, Open File Report 97-136.
- Carrara, A., 1983, Multivariate models for landslide hazard evaluation. Mathematical Geology 15, 3:403-427
- Carrara, A., Cardinali, M., Detti, R., Guzzetti, F., Pasqui, V., and Reichebach, P., 1991. GIS techniques and statistical models in evaluating landslide hazard. Earth Surf Proc Landforms 16:427-445.
- Carrara, A., Cardinali, M., Detti, R., Guzzetti, F., and Reichebach, P., 1995. GIS-based techniques for mapping landslide hazard. In: Carrara A, Guzzetti F (eds) Geographical information systems in assessing natural hazards. Kluwer, Dordrecht, pp. 135-176.
- Chandler J.H. and Brunsden D., 1995, Steady state behaviour of the Black Ven Mudslide: the application of archival analytical photogrammetry to studies of landform change. Earth Surface Processes and Landforms, 20:255-275.
- Chandler J.H. and Moore, R., 1989, Analytical photogrammetry: A method for monitoring slope instability. Quarterly Journal of Engineering Geology, 22:97-110.
- Chi, K., Lee, K, and Park, N., 2002. Landslide stability analysis and prediction modeling with landslide occurrences on KOMPSAT EOC imagery. Korean Journal of Remote Sensing 18, 1:1-12.
- Corominas, J., Remondo, J., Farias, P., Estevao, M., Zezera, J., Teran, J. D., Dikau, R., Schrott, R. D. L., Moya, J., and Gonzalez, A., 1996. Debris flow. In Report No. 1 of the European Commission Environment Programme Contract No. EV5V-CT94-0454: landslide recognition (Dikau, R., Brunsden, D., Schrott, L., and Ibsen, M., eds.), John Wiley & Sons, 251 pp.
- Costa, J. E., and Jarrett, R.D., 1981. Debris flow in small mountain channels of Colorado and their hydrologic implication. Bulletin of the Association of Engineering Geologists, XVIII, 3:309-322.

- Costa, J. E., 1984. Physical geomorphology of debris flows. In Developments and Applications of Geomorphology (Eds J. E. Costa and P. L. Fleisher), Springer-Verlag, pp. 268-317.
- Costa J. E., 1988. Rheologic, morphologic, and sedimentologic differentiation of water floods, hyperconcentrated flows, and debris flows. In Baker, V.E., Kochel, C.R., and Pat-ton, P.C., editors, Flood geomorphology: New York, John Wiley and Sons, pp. 113-122.
- Crozier, M. J., 1973. Techniques for the morphometric analysis of landslips. Zeitschrift für Geomorphologie N.F. 17, 1:78-101.
- Crozier, M. J., 1986. Landslides: causes, consequences & environment. Croom Helm, London, 252 pp.
- Cruden, D.M., 1991. A simple definition of a landslide, Bulletin of International Association of Engineering Geology 43:27-29.
- Dai, F. C., Lee C. F., Li, J, and Xu, Z. W., 2001. Assessment of landslide susceptibility on the natural terrain of Lantau Island, Hong Kong. Environmental Geology 40 (3) January 001, Springer-Verlag, pp. 381-391.
- DeGraf, J.V., 1991. Increased debris flow activity due to vegetation change. Proceeding of the 6th International Symposium on Landslides:Chrischurch, New Zealand, pp. 1365-1373.
- Dikau, R., Brunsden, D., Schrott, L., and Ibsen, M., 1996. Landslide recognition. Report No. 1 of the European Commission Environment Programme Contract No. EV5V-CT94-0454. John Wiley & Sons, 251 pp.
- Environmental Geology Division, 2003. Project of landslide hazard mapping in Thailand. Department of Mineral Resources (www.dmr.go.th), Ministry of Natural Resources and Environments, Bangkok, Thailand. (in Thai)
- ESCAP, 1989. Catastrophic landslides and sheet flooding in an intermontane tropical basin, southern Thailand, 20 pp.

- ESCAP, 1997. Guidelines and manual on land-use planning and practices in watershed management and disaster reduction, United Nations, June, 1997, 127 pp.
- Einstein, H. H., 1988. Landslide risk assessment procedure. In: Bonnard C (ed) Proceedings of the Fifth International Symposium on Landslides 2:1075- 1090
- Fernandez, C.I., Castillo, T.F.D., Handouni, R.E., and Montero, J.C., 1999. Verification of landslide susceptibility mapping: a case study. Earth Surf Proc Landforms 24:537-544.
- FLO-2D Users Manual, 2003. Version 2003.06, Nutrioso, Arizona, USA.
- Fookes, P.G., Dale, S.G., Land, J.M., 1991. Some observations on a comparative aerial photography interpretation of a landslipped area. Quarterly Journal of Engineering Geology 24:249-265.
- Gagon, H., 1975. Remote sensing of landslide hazards on quick clays of Eastern Canada. Proceedings 10th International ERIM, Ann Arbor, Michigan, pp. 803-810.
- Giraud, R. E., 2002. Guidelines for the geological evaluation of debris-flow hazards on alluvial fan. Rocky Mountain - 54th Annual Meeting (May 7–9, 2002): Cedar City, Utah.
- Giraud, R. E., 2005. Guidelines for the geological evaluation of debris-flow hazards on alluvial fan in Utah. Miscellaneous publication 05-6, Utah Geological Survey, Department of Natural Resources, 20 pp.
- Goodchild, M.F., Steyaert, L.T., Parks, B.O., Johnston, C., Maidment, D., Crane, M., and Glendinning, S., 1996. GIS and environmental modeling: progress and research issues. GIS World, Inc., 486 pp.
- Gupta, R.P., and Joshi, B.C., 1989. Landslide hazard zoning using the GIS approach – a case study from the Ramganga catchment, Himalayas. Eng Geol 28:119-131.
- Gupta, A. K. Saha R. P., and Arora, M. H., 2002. GIS-based landslide hazard zonation in the Bhagirathi (Ganga) valley, Himalayas. INT. J. Remote Sensing 23, 2:357-369.

- Hansen, A., 1984. Landslide hazard analysis. Slope instability: edited by D. Brunsten and D. B. Prior. (n.p.):John Wiley& Sons, pp. 523-601.
- Harper, S .1996 . Debris flow triggered by the November 1988 rainstorm in Phipun district, Nakhon Si Thammarat province, southern Thailand .Docteral dissertation, Department of Geography, Graduate school, University of Geogia.
- Hartlen, J. and Viberg, L., 1988. General report: evaluation of landslide hazard. In Proc., Fifth International Symposium in Landslides (C.Bonnard ed), Lausanne, A.A. Balkema, Rotterdam, Netherlands, Vol.1: 3-35.
- Henry, J.K., and Heinke,G. W., 1996. Environmental science and engineering, second edition. (n.p.):Printice-Hall International Inc., pp. 85-110.
- Hromadka, T.V., and Yen, C.C., 1987. Diffusive hydrodynamic model. US Geological Survey, Water Resources Investigations Report 87-4137, Denver Federal Center, Colorado.
- Huang, S.L. and Chen, B.K., 1991. Intergration of Landsat and terrain information for landslide study. Proceedings 8th Thematic (ERIM), Denver, Colorado, Vol 2: 743-754.
- Hutchinson, J. N., 1988. Morphological and geotechnical parameters of landslides in relation to geology and hydrology. In Landslides, Proc. 5th. Int. Symp. on Landslides (Ed. C. Bonnard), Vol. 1:3-35.
- International Association of Engineering Geology (IAEG), 1976. Engineering geological maps: A guide to their preparation, UNESCO Press, Paris, 79 pp.
- Ikeya, H., 1974. Introduction for Sabo Works. Tokyo:Bunkyou-ku.
- Innes, J., 1985. Lichenometric dating of debris flow deposits on alpine colluvial fans in southwest Norway. Earth Surface Processes and Landforms 10:519-524.
- Iverson, R.M., 2003. The debris-flow rheology myth, in Rickenmann, D., and Chen, C.L., editors, Proceedings of the Third International Conference on Debris-Flow Hazards Mitigation - Mechanics, Prediction, and Assessment, September 10-12, 2003, Davos, Switzerland: Rotterdam, Millpress, pp. 303-314.

- Jishan, W., and Tianchi, L., 2001. Behavior and characteristics of debris flows. In Landslide Hazard Mitigation in the Hindu Kush-Himalayas, International Center for Integrated Mountain Development, Kathmandu, Nepal, pp. 203-214.
- Jworchan, I .L .1995 .Initiation of November 1988 debris flows in Khao Luang, southern Thailand .Disertation Proposal, Asian Institute of Technology, Bangkok, Thailand, 94 pp.
- Khantaprab, C. 1993. Disaster: A case study of southern Thailand. Chulalongkorn University, Bangkok, Thailand (In Thai).
- Lee, S., and Min, K., 2001. Statistical analysis of landslide susceptibility at Yongin, Korea. Environmental Geology 40:1095-1113.
- Lee, S., Chang, B.,Choi W., and Shin, E., 2001. Regional susceptibility, possibility and risk analyses of landslides in Ulsan Metropolis City, Korea.
- Local Government Office, 2002. Information of risk areas in Changwat Phetchabun. Special Activity Section, Local Government Office of Changwat Phetchabun, Ministry of Interior, Thailand. (in Thai)
- Lynn M. Highland, Stephenson D. Ellen, Sarah B. Christian, and William M. Brown, 1997. Debris-Flow Hazards in the United States, U.S. Geological Survey Fact Sheet 176-97.
- Maireang, V., Chotikkai, J., and Duangduan, P., 1982. Soil mechanics. Department of Civil Engineering, Kasetsart University. (in Thai)
- Marzo, M., and Puigdefabregas, C., 1993. Alluvial sedimentation. Special Publication Number 17 of the International Association of Sedimentologists, Blackwell Scientific Publications, 586 pp.
- McGregor, D.F.M, and Thompson, D.A., 1995. Geomorphology and land management in a changing environment. John Wiley & Sons, 339 pp.
- Mc Donalds and Grubbs (1975); Meijerink, A. M. L., de Brouwer, H. A. M., Mannaerts, C. M., and Valenzuela, C., 1994. Introduction to the use of Geographic Information Systems for practical hydrology. International Institute for Aerospace Survey and

Earth Sciences (ITC) Publication Number 23, Enschede, The Netherlands, 242 pp.

- Miall, A.D., 1996. The geology of fluvial deposits. Springer-Verlag Heidelberg, 582 pp.
- Miyajima, S., 2001. Debris flow studies in Japan. In: Tianchi , Li , chalise, S.R. and Upreti, B.N. (eds) Landslide Hazard Mitigation in the Hindu Kush-Himalayas, International Center for Integrated Mountain Development, Kathmandu, Nepal, pp. 215-228.
- Morgan, B.A., Wieczorek, G.F., Campbell, R.H., and Gori, P.L., 1997. Debris-flow hazards in areas affected by the June 27, 1995 strom in Madison County, Virginia: U.S. Geological Survey, Open File Report 97-438.
- Morgan, R.P.C., 1986. Soil erosion and conservation. Longman Scientific & Technical, 298 pp.
- Nagarajan, R., Mukherjee, A., Roy, A. and Khire, M.V., 1998. Temporal remote sensing data and GIS application in landslide hazard zonation of part of Western Ghat, India. INT. J. Remote Sensing 19, 4:573-585.
- Naranjo, J.L., Van Westen, C.J., and Soeters, R., 1994. Evaluation the use of training areas in bivariate statistical landslide hazard analysis: a case study in Colombia. Int. Inst. Aerospace Surv. Earth Sci. J 3:292-300.
- National Economic and Social Development Board (NESDB), 1997. Natural hazard management in southern region of Thailand. Natural Resources Faculty, Prince of Songkla University and UNDP: 461 pp. (in Thai)
- Natural Resources Canada, 2002. Quantitative prediction models for landslide hazard mapping. Available from:
http://www.nrcan.gc.ca/gsc/mrd/sdalweb/sdi_cd/intro.html
- Niemann, K.O., and Howes, D.E., 1991. Applicability of digital terrain models for slope stability assessment. Int. Inst. Aerospace Surv. Earth Sci. J. 1991-3:127-137.

- Nilaweera, N.S., 1994. Effects of tree roots on slope stability: The case study of Khao Luang mountain area, southern Thailand. Asian Institute of Technology, Bangkok, Thailand.
- NOAA-USGS Flow Task Force, 2005. NOAA-USGS debris-flow warning system-Final report. U.S. Geological Survey Circular 1283, 47 pp.
- Nutalaya, P., 1991. Catastrophic landslides and sheet flooding in an intermontane tropical basin, southern Thailand. Asian Institute of Technology, Bangkok, Thailand.
- Office of the United Nations Disaster Relief Co-ordinator (UNDRO), 1980. Natural disasters and vulnerability analysis. Report of Expert Group Meeting (9-12 July 1979), Geneva, 49 pp.
- Osterkamp, W.R., and Hupp, C.R., 1987. Dating and interpretation of debris flows by geologic and botanical methods at Whitney Creek Gorge, Mouth Shasts, California. Geol. Am. Rev. Eng. Geol. VII:157-163.
- Owen, L.A., Sharma, M.C., and Bigwood, R., 1995. Mass movement hazard in the Garhwal Himalaya: the effects of the 20 October 1991 Garhwal earthquake and the July-August 1992 monsoon season. In: McGregor, D.F.M., and Thompson, D.A. (eds) geomorphology and land management in a changing environment. (n.p.): John Wiley & Sons, pp.69-88.
- Pachauri, A.K., and Pant, M., 1992. Landslide hazard mapping base geological attributes. Eng Geol 32:100-81.
- Pantanahiran, W. 1994. The use of Landsat imagery and digital terrain models to assess and predict landslide activity in tropical area. Doctoral Dissertation, University of Rhode Island, U.S.A.
- Pattanakanok, B., 2001. Landslide risk assessment from 3 dimension of Landsat (Abstract). Conference of Mapping and Geo-informatics, 17-18 December 2001, Bangkok, Thailand. (in Thai)
- Petak, W.J., and Atkisson, A.A., 1982. Natural hazard risk assessment and public policy.

Springer-Verlag New York Inc. 489 pp.

Petchprayoon, P., 2002. The prediction of flash floods caused by dam failure and overflow through a spillway case study at the Tha Dan Dam, Changwat Nakhon Nayok. Master Science Thesis, Graduate School, Mahidol University, Thailand, 166 pp. (in Thai)

Phien-wej, N., Zhibin, T., and Aung, Z. 1991. Unprecedented landslides in granitic mountain of southern Thailand. Glissements De Terrain 2:1387-1393.

Pierson, T.C., and Costa, J.E., 1987. A rheologic classification of subaerial sediment-water flows, in Costa, J.E., and Wiezorek, G.F., editors, Debris flows/avalanches: Geological Society of America, Reviews in Engineering Geology VII:1-12.

Popescu, M.E., 1992. A suggested method for reporting landslide causes. The international Geotechnical Societies' UNESCO Working Party on World Landslide Inventory, Civil Engineering Institute, Department of Soil Mechanics and Foundation Engineering, Bucharest, Romania, 12 pp.

Price, M.F., and Heywood, I.D. 1994. Mountain environment and geographic information System. (n.p.):Briston, PA: Taylor & Francis, 375 pp.

Pye, K., 1994. Sediment transport and depositional processes. Blackwell Scientific Publications, 397 pp.

Rengers et al. (1992). Rengers, N., Soeters, R., and Westen, C. J. V., 1993. Remote sensing and GIS applied to mountain hazard mapping. Episodes 15, 1: 4:27-4:36.

Research and Development Center of Soil Engineering and Foundation, 2002. Developing proposal report of a study on sustainable solution for slope stabilization. Department of Civil Engineer, Faculty of Engineer, Kasetsart University, 22 p. (In Thai)

Royal Academic Engineering, 1995. Landslides hazard mitigation: with Particular

- Reference to Developing Countries. Proceeding of a Conference held on Friday November 12, 1997 at the Royal Society, 6 Carlton House Terrace, London. The Royal Academic Engineering, 124 pp.
- Ruenkraitersa, T., and Chinpongsonond, P., 1980. Geological seismological aspects of landslides in northern Thailand. Report No. 51. Bangkok: Material and Research Division, Department of Highway.
- Ruangsak, P., 2002. Rainfall and Tear at Nam Ko. Forth edition. Thammarak Printing, 200 pp. (in Thai)
- Sabin, F.F., 1997. Remote Sensing, Principles and Interpretation, Third Edition. W.H. Freeman and Company, New York.
- Saha, A. K., and Arora, M. K., 2002. GIS-based landslide hazard zonation in the Bhagirathi (Ganga) valley, Himalayas. INT. J. Remote Sensing 23, 2:257-369.
- Sauchyn, D.J. and Trench, N.R., 1978, Landsat applied to landslide mapping. Photogrammetric Engineering and Remote Sensing 44, 6:735-741.
- Secretariat Office of Government, 2002. (Draft) Technical report. Conducted by the technical committees for mitigation of flash flood and debris flow at Ban Nam Ko and Ban Nam Chun, Amphoe Lom Sak, Changwat Phetchabun, 13 pp. (in Thai)
- Senneset, K., 1996. Landslides, Volume 1; Proceedings of the seventh international symposium on landslides , 17 – 21 June, 1996 / Trondheim, A.A. Balkema / Rotterdam / Brookfield, 370 pp.
- Sgzen, M. L., 2002. Data driven landslide hazard assessment using geographic information systems and remote sensing. A thesis submitted to the Graduate School of Natural and Applied Sciences of the Middle East Technical University for the degree of doctor of philosophy in the department of geological engineer, 196 pp.
- Sharpe, C.F.S., 1938. Landslides and related features – a study of mass movements of soils and rocks. New York, Columbia University Press, 137 pp.

- Singhroy, V., Mattar, K., and Gray, A.L., 1998. Landslide characterization in Canada using interferometric SAR and combined SAR and TM images. Advances in Space Research 21, 3:465-476.
- Singhroy, V., and Mattar, K., 2000. SAR images techniques for mapping areas of landslide. Canada Centre for Remote Sensing, Ottawa, Canada.
- Singhroy, V., 2000. Landslide risk assessment with high spatial resolution remote sensing satellite data. Canada Centre for Remote Sensing, Ottawa, Canada.
- Slosson, J.E., and Havens, G.W., Shuirman, G., and Slosson, T.L., 1991. Harrison Canyon debris flows of 1980. Environ Geol Water Sci 18, 1:27-38.
- Spiker, E.C., and Gori, P.L., 2000. National landslide hazards mitigation strategy: A framework for loss reduction. Open-file report 00-450, Department of Interior–U.S. Geological Survey, 49 pp.
- Soeters, R., and Van Westen, J.V., 1996. Slope instability recognition, analysis, and zonation. In Turner, A.K., and Schuster, R.L. (eds) landslides investigation and mitigation. Transport Research Board special Report 247, National Research Council, National Academic Press, Washington, D.C., pp. 129-177.
- Stephens, P.R., 1988. Use of satellite data to map landslides. Proceedings 9th Asian Conference on Remote Sensing, Bangkok, pp. 1-7.
- Strandberg, C.A., 1967. Aerial Discovery manual. Wiley and Sons, New York, 249 pp.
- Takeji, A., 1980. Landslides, collapses and debris flows (in Japanese). Tokyo: Kajima Syuppan.
- Tangjaitrong, S., 1994. Modeling landslide hazard using imaged-based GIS. A thesis submitted for the degree of Doctor of Philosophy , The Australian National University, 545 pp.
- Tantiwanit, 1992. A study of landslide disaster in the Kathun area, southern Thailand. Geological Survey Division, Department of Mineral Resources, Bangkok, Thailand. (in Thai)

- Taylor, S.B., 1999. Comparative geomorphic analysis of surficial deposits at three central Appalachian watersheds: implications for controls on sediment-transport efficiency. Dissertation submitted for the degree of Doctor of Philosophy in Geology, the College of Arts and Sciences at West Virginia University, 308 pp.
- Terlien, M.T.J., 1996. Modelling spatial and temporal variations in rainfall-triggered landslides. International Institute for Aerospace Survey and Earth Sciences (ITC), Publication Number 32, 254 p.
- Terlien, M.T.J., Van Asch, T.W.J., and Van Westen, C.J., 1995. Deterministic modelling in GIS-based landslide hazard assessment. In: Carara A., Guzzetti F. (eds) geographical information systems in assessing natural hazards. Kluwer, Dordrecht, pp. 57-77.
- Thassanapak, H., 2001. Potential landslide assessment of Changwat Phuket. Master Thesis, Department of Geology, Graduate School, Chulalongkorn University, 320 pp.
- Thinaphong, K., 1987. A hydro-cartographic information system approach to watershed response simulation using integrated spatio-temporal variabilities from Landsat and ancillary sources. Dissertation for the degree of Doctor of Engineering, Asian Institute of Technology, Bangkok, Thailand, 255 pp.
- Tianchi, Li, chalise, S.R. and Upreti , B.N. ,2001. Landslide Hazard mitigation on the Hindu Kush-Himalayas. International Center for Integrated Mountain Development, Kathmandu, Nepal, 312 pp.
- Tingsanchali, 1989. Debris flow caused by heavy rainfall and landslides. Technical Journal of AIT 2:22-31.
- Tomblin, J.,1994. Main activities of the IDNDR and UNDHA in disaster mitigation. Proceedings of the International Seminar on Erosion and Sediment Control (ISESC), STC, Yogyakarta, Indonesia, January 11-14,1994, pp.1-12.

- Turner, A.K., and Schuster, R.L., 1996. Landslides investigation and mitigation. Transport Research Board special Report 247, National Research Council, National Academic Press, Washington, D.C. 230 pp.
- U.S. Geological Survey, 1982. Goals and tasks of the landslide part of a ground-failure hazards reduction program. Geological Survey Circular 880. United States Department of the Interior, 48 pp.
- U.S. National Research Council, 1982. Selecting a methodology for delineating mudslide hazard areas for the National Flood Insurance Program. National Academic Press, Washington, D.C., 35 pp.
- U.S. National Research Council, 1996. Alluvial Fan Flooding. Committee on Alluvial Fan Flooding, Water Science and Technology Board, Commission on Geosciences, Environment, and Resources. National Academy Press, Washington, D.C., 167 pp.
- Van Westen, J.V., 1993. Application of geographic information systems to landslide hazard zonation. Int. Inst. Aerospace Surv. Earth Sci. Publ. No. 15, Enschede.
- Van Westen, J.V., I. Van Duren, I.H.M.G. Kruse, and M.T.J. Terlien, 1993. GIZZIS: training package for Geographic Information Systems in Slope Instability Zonation. International Institute for Aerospace Survey and Earth Sciences (ITC) Publication Number 15, Enschede, The Netherlands, ITC. Volume 1, Theory, 245 pp., Volume 2, Exercises, 359 pp. Box of 10 diskettes.
- Van Westen, J.V., 1994. GIS in landslide hazard zonation : a review, with examples from the Andes of Columbia. In Mountain Environments and Geographic Information Systems. (n.p.):Taylor & Francis, pp. 165-136.
- Varnes, D.J.,1958. Landslide types and processes. In Special Report 29: Landslides and Engineering Practice (E.B. Eckel, ed.), HRB, National Research Council, Washington, D. C., pp. 20-47.
- Varnes, D.J.,1978. Slope movement types and processes. In Special Report 176: Landslides: Analysis and Control (R.L. Schuster and R.J. Krizek, eds.), Transport

- Research Board (TRB), National Research Council, Washington, D. C., pp. 11-33.
- Varnes, D.J., 1984. Landslide hazard zonation: A review of principles and practice natural hazards 3: UNESCO, France, 63 pp.
- Wadge, G., Wislocki, A.P., and Pearson, E.J., 1998. Spatial analysis in GIS for natural hazard assessment: environmental modeling with GIS, pp. 332-338.
- Wannakao, L., Achwichai, L., Buapan, C., and Muangnoicharoen, N., 1985. The study of rock slope stability at Km. 18-24 along Lom Sak-Chum Phrae highway. Department of Geotechnology, Khonkaen University, Thailand.
- Wieczorek, G.F., Ellen, S., Lips, E.W., Cannon, S.H., and Short, D.N., 1983. Potential for debris flow and debris flood along the Wasatch Front between Salt Lake City and Willard, Utah, and measures for their mitigation. U.S. Geological Survey, Open file report 83-635, 46 pp.
- Wieczorek, G.F., Larsen, M.C., Eaton, L.S., Morgan, B.A. and Blair, J. L., 2001. Debris-flow and flooding hazards associated with the December 1999 storm in coastal Venezuela and strategies for mitigation: U.S. Geological Survey, Open File Report 01-0144, 20 pp.
- Wieczorek, G.F., Gori, P.L., Campbell, R.H., and Morgan, B.A., 1995. Landslide and Debris-Flow Hazards caused by the June 27, 1995, Storm in Madison County, Virginia: U.S. Geological Survey, Open file report 95-822, 14 pp.
- Wieczorek, G.F., Morgan, B.A., Campbell, R.H., Orndorff, R.C., Burton, W.C., Southworth, C.S., and Smith, J.A., 1996. Preliminary Inventory of Debris-Flow and Flooding Effects of the June 27, 1995, Storm in Madison County, Virginia, Showing Time Sequence of Positions of Storm Cell Center: U.S. Geological Survey, Open File report, 96-13, 8 pp.
- Wroth, C. P., 1979. Correlation of some engineering properties of soils. Proc. 2nd BOSS Conference, London, pp. 121-312.

- Wroth, C. P. and Wood, D. M., 1978. The correlation of index properties with some basic engineering properties of soils. Canadian Geotechnical Journal 14, 2:137-145.
- Yhinaphong, K., 1987. Hydro-cartographic information system approach to watershed response simulation using integrated spatio-temporal variabilities from landsat and ancillary sources. A dissertation submitted in partial fulfillment of the requirements for the degree of Doctor of Engineering, Asian Institute of Technology, Thailand, 255 pp.
- Yooyen, W., 1985. Geology of Amphoe Lom Kao. Geological investigation report No. 0031, Geological Survey Division, Department of Mineral Resources, Bangkok, Thailand, 21 pp. (in Thai)
- Zinck, J. A., Lopez, J., Metternicht, G., Shrestha, D. P., and Vazquez-Selem, 2001. Mapping and modelling mass movements and gullies in mountainous areas using remote sensing and GIS techniques. International Journal of Applied Earth Observation and Geoinformation (JAC) 3, 1: 43-53.
- Zhibin, T., 1991. A study of landslides in weathered granitic slopes in Amphoe Phi Pun, Nakhon Si Thammarat, Thailand. Thesis for the degree of Master of Science, Asian Institute of Technology, Bangkok, Thailand, 51 pp.