REFERENCES

Agyare, W.A., 2004, Soil characterization and modeling of spatial distribution of saturated hydraulic conductivity at two sites in the Volta Basin of Ghana. Ecology and Development, Series No. 17, Center for Development Research, University of Bonn.

Anderson, M. P. and Woessner, W. W., 2002, Applied Groundwater Modeling: Simulation of Flow and Advective Transport, Academic Press, Inc., United States of America, 384 p.

Aquaveo, LLC., 2010, User's Manual for GMS version 7.1, Provo, Utah, United States of America, 388 p.

Ashraf, A., 2008, The degree of Doctor of philosophy: The Conjunctive use of groundwater Modeling and Geographic Information System (GIS) to Study the Water Resources of Upper Jhelum SCARP Area in Indus Basin, Department of Earth Sciences, Quaid-i-Azam University, Islamabad, 131p.

Barth, G. R., Hill, M. C., Illangasekare, T. H., and Rajaram, H., 2001, Prediction modeling of flow and transport in a two-dimensional intermediate-scale, heterogeneous porous media, Water Resource Research, 37(10), pp 2503-2512.

Boonstra, J. and de Ridder, N. A., 1981, Numerical Modelling of Groundwater Basins, ILRI Publication 29, International Institute of Land Reclamation and Improvement, Netherlands, 238 p.

Boronia, A., Renard, P., Baldever, W., and Chistodoulides, A., 2003, Groundwater Resources in the Kouris Catchment (Cyprus): Data Analysis and Numerical Modelling, Journal of Hydrology, Volume 271, pp130-149.

Chaodumrong, P., 1994, Triassic submarine fan of the Pong Nam Ron Formation in the East: Tectonic annual meeting, Geological Survey Division, Department of the mineral Resources, Bangkok, Thailand, pp 9-18. (in Thai)

Chiang, W.H., 2012, Processing Modflow™ Version 8.032: An Integated Modeling Environment for the Simulation of Groundwater Flow, Transport and Reactive Processes, Simcore Software, 484 p.

Chuamthaisong, C. and Intrasutra, T., 1992, Role of Groundwater Resources for Rural Development, Proceedings of the Nation Conferences on Geological Resources of Thailand: Potential of Future Development, Department of Mineral Resources, Bangkok Thailand, pp 64-74.

Cushman J.H., 1997, The Physics of Fluids in Hierarchical Porous Media: Angstroms to Miles, Kluwer Academic, Boston, The United State of America, 484 p.

Dagan G., 1989, Flow and Transport in Porous Formations, Springer-Verlag, New York, United States of America, 465 p.

Dagan, G. 2002, An overview of stochastic modeling of groundwater flow and transport: From theory to applications, *Eos Trans. AGU,* 83(53), [EOS, TRANSACTIONS AMERICAN GEOPHYSICAL UNION, VOL. 83, NO. 53, 621 p.

Dagan G., 2004, On Application of Stochastic modeling of Groundwater flow and Transport, Journal of Stochastic Environmental Research and Risk Assessment. Volume 18, Number 4, pp 266-267.

Delhomme, J. P., 1979, Applied Groundwater Modelling: Simulation Flow and Advective Transport, London, United Kingdom.

DGR, 2006, Study in Preliminary of Groundwater Resource Potential and Assessment of Groundwater Budget for 76 Provinces: Annual Project Reported, Bureau of Groundwater Exploration and Potential Assessment, Department of Groundwater Resources, Bangkok, Thailand, 160 p. (in Thai)

DGR, 2006, Study in detail of groundwater exploration and potential assessment in Bang Pa Kong River Basin: Annual Project Reported, Department of Groundwater Resources, Bangkok, Thailand, 250p. (in Thai)

DGR, and Khon Kaen University, 2008, Volume 5/10 Package of Operating Manuals for Groundwater Resource Potential Assessment (DGRM P 1000-2550 to 3000-2550), Bureau of Groundwater Exploration and Potential Assessment, Department of Groundwater Resources, Ministry of Natural Resources and Environment, Bangkok, Thailand, pp 1-25. (in Thai)

DMR, 1996a, Groundwater Map Manual, Chachoengsao Province: A user manual of groundwater map of Chachoengsao Province on 1:100,000 scale, Groundwater Division, Department of Mineral Resources, Bangkok, Thailand.

DMR, 1996b, Groundwater Map Manual, Chonburi Province: A user manual of groundwater map of Chonburi Province on 1:100,000 scale, Groundwater Division, Department of Mineral Resources, Bangkok, Thailand.

DMR, 1996c, Groundwater Map Manual, Nakhon Nayok Province:A user manual of groundwater map of Nakhon Nayok Province on 1:100,000 scale, Groundwater Division, Department of Mineral Resources, Bangkok, Thailand.

DMR, 2001a, Groundwater Map Manual, Chachoengsao Province: A user manual of groundwater map of Chachoengsao Province on 1:100,000 scale, Groundwater Division, Department of Mineral Resources, Bangkok, Thailand.

DMR, 2001b, Groundwater Map Manual, Chonburi Province: A user manual of groundwater map of Chonburi Province on 1:100,000 scale, Groundwater Division, Department of Mineral Resources, Bangkok, Thailand.

DMR, 2001c, Groundwater Map Manual, Nakhon Nayok Province : A user manual of groundwater map of Nakhon Nayok Province on 1:100,000 scale, Groundwater Division, Department of Mineral Resources, Bangkok, Thailand.

Doherty, J. 1994. PEST: Parameter Estimation Corinda, Australia. Watermark Numerical Computing, 122 p.

Fetter, C. W., 1988, Applied Hydrogeology, America: Mirrill Publishing Company., 598 p.

Forchheimer, P., 1886, Uber die ergiebigkeit von brunnen, anlagen and sickerschlitzen, Zeitsch. Archit. Ing. Ver. Hannover, 32, 539 p.

Freeze, R. A., and Cherry, J. A., 1979, Groundwater, Englewood Cliffs (NJ): Prentice_Hall, Inc., 604 p.

Gelher, L. W., Welty, C., and Rehfeldt, K. R., 1992, A critical review of data on field-scale dispersion in aquifers, Water Resource, 28, pp 1995.

Gelhar, L.W., 1993, Stochastic subsurface hydrology, Englewood Cliffs, New Jersay, United State of America, 390 p.

Guigure, N., and Franz, T., 2004, Visual MODFLOW V 4.2, The Integrated Modeling Environment for MODFLOW and MODPATH, Waterloo Hydrogeologic Software, Waterloo, Ontario, Canada.

Harbaugh, A. W., Banta, E. R., Hill, M. C. and McDonald, M. G., 2000, MODFLOW- 2000, The U.S. Geological Survey modular groundwater model: Users guide to modularization concepts and the groundwater flow process, U.S. Geological Survey, Open-File Report 00-92, 121 p.

Heggemann, H., Helmcke, D., and Tietze, K., 1994, Sedimentaru evolution of the Mesozoic Khorat basin in Thailand, Zbl. Geol. Palaont, Stuuttgart, pp 1267-1285.

Hill, M.C., 1998, Methods and guidelines for effective model calibration, U.S. Geological Survey Water Resources Investigations Report 98-4005, U.S. Geological Survey, 90 p.

Johnston, S.G., Hirst, P., Slavich, P.G., Bush, R.T., Aaso, T., 2009. Saturated hydraulic conductivity of sulphuric horizons in coastal floodplain acid sulphate soils: variability and implications. Geoderma 151, pp 387–394.

Klueabthong, K., 2005, Hydrogeology of Bang Khla Royal Development Project, Chachoengsao Province, M.S. Thesis, Chiang Mai University, Thailand, 370 p.

Koch, M., and Arlai, P., 2007, Deterministic and stochastic modeling of groundwater flow and solute transport in the heavily-stressed Bangkok coastal aquifer, Thailand,and investigation of optimal management strategies for possible aquifer restoration: Oral presentation, IAH-conference 2007, Lissabon, Portugal., pp 1-11.

Konikow, L.F., 1978, Calibration of ground-water models, In: Verification of Mathemathical and Physical Models in Hydraulic Engineering, American Society of Civil Engineering, New York, United States of America, pp 87-93.

Middlemis, H., 2000, Murray-Darling Basin Commission Groundwater Flow Modelling Guildeline, Aquaterra Consulting Pty Ltd., South Perth, Western Australia, Project no. 125.

McDonald, M.C., and Harbaugh, A.W., 1988, A modular three-dimensional finite-difference ground-water flow model, Techniques of Water Resources Investigations 06-A1, USGS. 576 p.

Meesook, A., 2000, Cretaceous environments of Northeastern Thailand, Elesevier Science B.V., pp 207-223.

Middlemis, H., 2000, Murray-Darling Basin Commission Groundwater Flow Modelling Guildeline, Aquaterra Consulting Pty Ltd., South Perth, Western Australia, Project no. 125.

Narasimhas, T. N., 1982, Numerical modeling in hydrology: In "Recent Trends in Hydrogeology", Geological Society of America, Boulder, Colorado, Special Paper 189, pp 273-293.

Nelson, R. W., 1960, In-place measurement of permeability of heterogeneous media, 1, theory of a proposed method, J. Geophysic. Res., v. 65, 1753 p.

Poeter, E. P. and Hill, M. C., 1998, Documentation of UCODE, A Computer Code for Universal Inverse Modeling, U.S. Geological Survey, Denver, Colorado, United States of America, 116 p.

Pushpa, R. O. and Ashim, D. G., 1993, Computer Applications for Groundwater Assessment and Management. Water Resources Series, United Nation, New York, United States of America, No.73.

Ramnarong, V. and Wongsawat, S., 1999, Groundwater of Thailand, Journal of Hydrology Circles of Thailand, Bangkok, Thailand, pp 129-172. (in Thai)

Sarapirome, S., Hinthong, C., and Khantaprab, Ch., 1983, Note on the Environmental Geology of an Area Part of the Eastern Coastal Region: Conference on Geology and Mineral Resources of Thailand, Department of mineral Resources, Bangkok, Thailand, 19-28 November, pp 103-111.

Sattayarak, N., Pradidtan, S., and Chonglakmani, R., 1997, Guidebook for excursion on stratigraphy and depositional environment of the Upper Paleozoic and Mesozoic sediments in the central and northeastern part of Thailand: Geothai'97 conference, Department of the mineral Resources, Bangkok, Thailand, 69 p.

Slichter, C. S., 1985, Theoretical investigation of the motion of groundwaters, 19th Annual Report, Part II, United States Geological Survey, 295, 1899, reprinted in Ground Water, 23, 396 p.

Spitz, K., and Moreno, J., 1996, A Practical Guide to Groundwater and Solute Transport Modeling, John Wiley&Son, Inc., New York. 461 p.

Stallman, R. W., 1956, Numerical analysis of regional water levels to define aquifer hydrology, EOS Trans. Am. Geophys. Union, v.37, 451 p.

Todd, D. K., 2005, Groundwater Hydrology, 3rd edition, John Wiley & Sons: New York, 636 p.

Wongsawat, S., 1999, Groundwater of Thailand and Plans: Symposium on Mineral, Energy, and Water Resources of Thailand: Towards the year 2000, Bangkok, Thailand, p.6-16. (in Thai)

Wang, H.F. and Anderson, M. P., 1982, Introduction to Groundwater Modeling: Finite Difference and Finite element Methods, W.H. Freeman and Company, San Fancisco., 237 p.

Yeh, T. C. and Jim, 1993, Stochastic modeling of groundwater flow and solute transport in aquifers, Hydro. Process., pp 31- 953.

Zhang D., 2002, Stochastic Methods for Flow in Porous Media: Coping with Uncertainties, Academic Press, San Diego, California, United State of America.