บรรณานุกรม

1] Arnell N. (1998). Climatic Change and Water Resources in Britain. Climatic Change. 39(1): 83-110.

2] Asian Development Bank (ADB). (2007a). Recent Advances in Water Resources Development and Management in Developing Countries in Asia, Asian Water Development Outlook 2007. Discussion Paper. Manila, Phillippines, ADB.

3] Asian Development Bank (ADB). (2007b). Asian Water Development Outlook 2007. Country Paper Cambodia. Manila, Phillippines, ADB.

4] Chen Z., Grasby S.E., Osadetz K.G. (2002). Predicting Average Annual Groundwater Levels from Climatic Variables: an Empirical Model. Journal of Hydrology, 260 (1-4): 102-117.

5] Chen Z., Grasby S.E., Osadetz K.G. (2002). Relation between Climate Variability and Groundwater Levels in the Upper Carbonate Aquifer, Southern Manitoba, Canada. Journal of Hydrology, 290 (1-2): 43-62.

6] Cooper D.M., Wilkinson W.B., Arnell N.W. (1995). The Effects of Climate Changes on Aquifer Storage and River Baseflow. Hydrological Sciences Journal, 40(5): 615-631.

7] Croley T.E., Luukkonen C.L. (2003). Potential Effects of climate change on groundwater in Lansing, Michigan. Journal of the American Water Works Association. 39(1): 149-163.

8] Dragoni W., Sukhija B.S. (2008). Climate Change and Groundwater; A Short Review. Geological Society, London, Special Publications, 288: 1-12.

9] Green T.R., Taniguchi M., Kooi H. Gurdak J.J., Allen D.M., Hiscock K.M., Treidel H, Aureli A. (2011). Beneath the Surface of Global Change: Impacts of Climate Change on Groundwater. Journal of Hydrology (In press).

10] Gunatilaka A. (2005). Groundwater Woes of Asia. Asian Water. January/February.

11] Gurdak J.J., Hanson R.T., Green T.R. (2009). Effects of Climate Variability and Change on Groundwater Resources of the United States. Fact Sheet 2009-3074, U.S. Geological Survey, U.S. Department of the Interior.

12] Gurdak J.J., Walvoord M.A., McMahan P.B. (2008). Susceptibility to Enhanced Chemical Migration from Depression-Focused Preferential Flow, High Plains Aquifer. Vadose Zone Journal, 7(4): 1172-1184.

13] Gurdak J.J. Hanson R.T., McMahon P.B. Bruce B.W., McCray J.E., Thyne G.D., Reedy R.C. (2007). Climate Variability Controls on Unsaturated Water and Chemical Movement, High Plains Aquifer, USA. Vadose Zone Journal, 6: 533-547.

14] Hanson R.T., Izbicki J.A., Reichard E.G., Edwards B.E., Land M.T., Martin P. (2009). Comparison of Groundwater Flow in Southern California Coastal Aquifers. In: Lee H.J., Normark B. (eds.) Earth sciences in the urban ocean- the southern California

continental borderland: Geological society of America Special Volume 454: 345-373.

15] Hanson R.T., Dettinger M.D., Newhouse M.W. (2006). Relations between climatic variability and hydrologic time series from four alluvial basins across the southwestern United States. Hydrogeology Journal, 14(7): 1122-1146.

16] Hanson R.T., Newhouse M.W., Dettinger M.D. (2004). A Methodology to Assess Relations between Climatic Variability and Variations in Hydrologic Time Series in The Southwestern United States. Journal of Hydrology, 287 (1-4): 252-269.

17] Holman I.P. (2006). Climate change impacts on groundwater recharge-uncertainty, shortcomings, and the way forward? Hydrogeology Journal, 14(5): 637-647.

18] IPCC. (2007a). Climate Change 2007: The Physical Science Basis. Contribution of working group I to the third assessment report of the intergovernmental panel on climate change. In: Solomon S. et al. (eds.), Cambridge University Press, Cambridge, United Kingdom, and New York, NY, USA. pp. 996.

19] IPCC. (2007b). Climate Change 2007: Impacts, Adaptation and Vulnerability. Contribution of working group I to the third assessment report of the intergovernmental panel on climate change. In: Parry M.L., Canziani O.F., Palutikof J.P., Linden P.J.V.D., Hanson C.E. (eds.), Cambridge University Press, Cambridge, United Kingdom, and New York, NY, USA.

20] IPCC. (2001). Climate Change 2001: The scientific basis. Contribution of working group I to the third assessment report of the intergovernmental panel on climate change. In: Houghton J.T. et al. (eds.), Cambridge University Press, Cambridge, United Kingdom, and New York, NY, USA. pp. 944.

21] Kruger A., Ulbrich U., Speth P. (2001). Groundwater Recharge in Northrhine Westfalia Predicted By a Statistical Model for Greenhouse Gas Scenarios. Physics and Chemistry of the Earth, 26(11-12): 853-861.

22] Kundzewicz Z.W., Mata L.J. Arnell N.W., Doll P., Kabat P., Jimenez B., Miller K.A., Oki T., Sen Z., Shiklomanov L.A. (2007). Freshwater resources and their management. In: Parry M.L., Palutikof O.F. van der Linden P.J., Hanson C.E. (eds.), Climate Change 2007. Impacts, Adaptation and Vulnerability. Cambridge University Press, Cambridge, pp. 173-210.

23] Limsakul A., Goes J.I. (2008). Empirical Evidence for International and Longer Period Variability in Thailand Surface Air Temperature. Journal of Atmospheric Research, 87: 89-102

24] Limsakul A., Limjirakan S., Suthamanuswong B. (2007). Spatio-Temporal Changes in Total Annual Rainfall And The Annual Number Of Rainy Days In Thailand. Journal of Environmental research, 29: 1-21.

25] Loaiciga H.A., Maidment D.R., Valdes J.B. (2000). Climate Change Impacts In A Regional Karst Aquifer, Texas, USA. Journal of Hydrology, 227(1-4): 173-194.

26] McMahon P.B., Dennehy K.F., Bruce B.W., Gurdak J.J., Qi S.L. (2007). Water Quality Assessment of the High Plains Aquifer, 1999-2004. U.S. Geological Survey Professional Paper 1749.

27] Ministry of Water Resources. (2000). China Water Resources Bullettine. Available from URL: http://www.chinawater.net.cn/cwsnet/gazette-new.asp

28] Morris B.L., Lawrence A.R.L., Chilton P.J.C. Adam B., Calow R.C., Klinck B.A. (2003). Groundwater and Its Susceptibility to Degradation: A Global Assessment of the Problem and Options for Management. Early Warning and Assessment Report Series, RS 03-3. United Nations Environment Programme, Nairobi, Kenya.

29] Qureshi R.H., Berrett-Lennard E.G. (1998). Saline Agriculture for Irrigated Lands in Pakistan: A Handbook. ACIAR Monograph No.50, Canberra.

30] Shah T. (2009). Climate change and groundwater: India opportunities for mitigation and adaptation. Environmental Research Letter, 4(3): 035005.

31] Sukhija B.S., Reddy D.V., Nagabhushanam P. (1998). Isotopic Fingerprints of Paleoclimatics during the Last 30,000 Years in Deep Confined Groundwaters of Sourthern India. Quantitative Research, 50(3): 252-260.

32] United Nations/World Water Assessment Programme (UN/WWAP). (2003). UN World Water Development Report: Water for People, Water for Life. UNESCO (United Nations Educational, Scientific and Cultural Organization) and Berghahn Books, Paris, New York and Oxford.

33] United Nations Environment Programme (UNEP). (2002). Global Environment Outlook3, Nairobi, Kenya, United Nations Environment Programme.

34] White I., Falkland T., Metutera T., Metai E. Overmars M., Perez P., Dray A., Falkland A.C. (2007). Climatic and Human Influences on Groundwater in the Low Atolls. Vadose Zone Journal, 6(3): 581-590.

35] Yusoff I., Hiscock K.M., Conway D. (2002). Simulation of the Impacts of Climate Change on Groundwater Resources in Eastern England. In: Hiscock K.M., Rivett M.O., Davison R.M. (eds.). Sustainable Groundwater Development. Geological Survey of London, London. pp. 325-344.

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6. Research output (Year 2007 to present)

6.1 Publications

1] Seeboonruang U. Relationship between groundwater properties and soil salinity at the Lower Nam Kam River Basin in Thailand. Environmental Earth Science. 2012 ;Published Online First: .[IF : 1.059]

2] Seeboonruang U. A statistical assessment of the impact of land uses on surface water quality indexes. Journal of Environmental Management. 2011 ;101: 134 142.[IF : 3.245]

3] Seeboonruang U., Ichikawa T.. The Effect of Acid Sulphuric Soil Restraint by Groundwater Control in Nakhon Nayok Province, Thailand. Soils and Foundations. 2007 ;6: 1089.[IF : 0.476]

6.2 Proceedings and Books

1] Seeboonruang U. Impacts of Reservoir on Groundwater Level and Quality in a Saline Area, Nakhon Panom Province, Thailand. 2nd International Conference on Asia Agriculture and Animal. 2012.

2] Sirikaew U., Seeboonruang U.. Assessment of Social Impacts of a Reservoir on a Saline Soil Area in Northeast Thailand. 2nd International Conference on Energy and Environmental Science (ICEES 2012). 2012

3] Seeboonruang U.. Soil and Water Resources Management Schemes for Saline Soil Area in the Lower Nam Kam Basin, Nakhon Panom. 9th National Convention on Environment. 2010 ;

4] Seeboonruang U.. An Assessment of Saline Soil Effects on Land Use Activities: A Case Study in Nakhon Panom Province, Thailand. International Conference on Environmental Science and Technology. 2010

5] Sarmpradit W., Seeboonruang U.. An Application of Stochastic Geostatistic Approach to Groundwater Potential Exploration in the Southern Part of Thailand. An International Perspective on Environmental and Water Resources ASCE. 2009

6] Seeboonruang U.. The Relationship between Shallow Groundwater Properties and Surface Soil Salinity: A Case Study at the Lower Namkam River Basin in Nakhon Panom Province. International Groundwater Symposium (IGS TH 2009): “Efficient Groundwater Resources Management. 2009.

7] Seeboonruang U.. The Study on Physical and Chemical Properties of Shallow Ground Water in Lower Nam Kam River Basin Areas in Nakhon Phanom Province. The Second Conference on Water Resource Management and Technology. 2009.

8] Seeboonruang U.. An Assessment of Groundwater Vulnerability to Contamination and Estimation of Potential Areas Contributing Risk and Hazard in the Lower Chao Phraya Basin. International Groundwater Conference on Groundwater Dynamics and Global Change. 2008.

9] Sarmpradit W., Seeboonruang U.. An Application of Stochastic Geostatistic Approach to Groundwater Potential Exploration in the Southern Part of Thailand. 13th National Convention on Civil Engineering. 2008.

10] Tounalom A., Seeboonruang U.. A Study on Potential Areas for Artificial Recharge by Spreading Basin in the Upper Central Plain of Thailand. 13th National Convention on Civil Engineering. 2008.

11] Ninrat N, Seeboonruang U.. A Study on Impact on Water Quality from Land Uses in Nakorn Nayok Province. 13th National Convention on Civil Engineering. 2008.
12] Wattanasak S., Seeboonruang U.. A Study on Relationship between Shallow Soil Salinity and Other Factors in Amphoe Thatpanom , Renunakorn and Nakae Nakhonpanom Province. 13th National Convention on Civil Engineering. 2008.
13] Seeboonruang U.. An Impact Assessment of Land Uses on Groundwater and Surface Water Qualities.. Regional Conference on Environmental Engineering. 2008.
14] Seeboonruang U.. The Study on Efficiency of a Spreading Basin Artificial Recharge System Using Floodwater in Phichit Province. 12th National Convention on Civil Engineering. 2007.
15] Ninrat N, Seeboonruang U.. A Study in Quality of Surface Water in Nakornnayok Province. 12th National Convention on Civil Engineering. 2007.
16] Wattanasak S., Seeboonruang U.. A Study on Shallow Soil Properties and Salinity in Amphoe Thatpanom and Renunakorn Nakhonpanom Province. 12th National Convention on Civil Engineering. 2007.
17] Seeboonruang U, Sirikaew U., Sampradit W.. Hydraulic Laboratory Manual. Hydraulic Laboratory Manual. 2012.

6.3 Publications from project that supported by TRF

1] Uma Seeboonruang. A statistical assessment of the impact of land uses on surface water quality indexes. Journal of Environmental Management. 2011 ;101: 134 142.[IF : 3.245]
2] Ninrat N, Seeboonruang U.. A Study on Impact on Water Quality from Land Uses in Nakorn Nayok Province. 13th National Convention on Civil Engineering. 2008.
3] Seeboonruang U.. An Impact Assessment of Land Uses on Groundwater and Surface Water Qualities.. Regional Conference on Environmental Engineering. 2008.
4] Ninrat N, Seeboonruang U.. A Study in Quality of Surface Water in Nakornnayok Province. 12th National Convention on Civil Engineering. 2007.
5] Seeboonruang U., Ichikawa T.. The Effect of Acid Sulphuric Soil Restraint by Groundwater Control in Nakhon Nayok Province, Thailand. Soils and Foundations. 2007 ;6: 1089.[IF : 0.476]
6] Chatachote P., Suntudwattana S., Jirapinthu V., and Seeboonruang U.. A Study of Surface Water Quality in Nakhon Nayok Province. The 5th National Environmental Conference. 2006.
7] Cheunsukjit P., Seeboonruang U.. Chemical Evolution in Porewater of Acid Sulphate Soil in a Nakhon Nayok Test Field, Thailand. 10th National Convention on Civil Engineering. 2005.

8] Seeboonruang U., Sirikaew U.. Chemical Evolution in Porewater of Acid Sulphate Soil in a Nakhon Nayok Test Field, Thailand. International Symposium on Lowland Technology 2004. 2004.