REFERENCES

Akbari, A., Yahaya, F. B., Azamirad, M., and Fanod, M. (2014). Landslide Susceptibility Mapping Using Logistic Regression Analysis and GIS. *EJGE*, *19*, 1687-1694.

Akgun, A., and Bulut, F. (2007). GIS-based landslide susceptibility for Arsin-Yomra (Trabzon, North Turkey) region. *Environmental Geology, 51*, 1377-1387.

Aleotti, P., and Chowdhury, R. (1999). Landslide hazard assessment: summary review and new perspectives. *Bull Eng Geol Environ, 58*, 21–44.

Anbalagan, R., and Singh, B. (2001). Landslide hazard and risk mapping in the Himallya. *Landslide hazard and mitigation in the Hidukush-Himalaya*, 163-188.

Atkinson, P. M, and Massari, R. (1998). Generalised Linear Modeling of Susceptibility to Landslideing in the Central Apennines, Italy. *Computers and Geoscienes, 24(4)*, 373-385.

Ayalew, L., and Yamagishi, H. (2005). The application of GIS based logistic regression for landslide susceptibility mapping. *Geomorphology, 65*, 15-31.

Bonham-Carter, G. F. (1994). *Geographic information system for geoscientists: Modelling with GIS.* Vol. 13 of *Computer methods in the geosciences.* Pergamon Press Oxford, 398p.

Carrara, A. (1988). Drainage and divide networks derived from high-fidelity digital terrain models. In: Chung CF (ed) *quantitative analysis of Mineral and Energy Resources. Reidel,* Dordrecht, The Netherland, 581-597

Carrara, A., Gardinali, M., Guzzetti, F., and Reichenbach, P. (1995). GIS technology in mapping landslide hazard. In: Carrara, A., Guzzetti, F. (eds). *Geographical information systems in assessing natural hazards. Kluwer Acaddemic Publisers,* Dordrecht, The Netherlands, 135-175.

Cepeda, J., Smebye, H., Vangelsten, B., Nadim, F., and Muslim, D. (2010). *The global assessment report on disaster reduction. landslide in Indonesia.*

Çevik, E., and Topal, T. (2003). GIS-based landslide susceptibility mapping for a problematic segment of the natural gas pipeline, Hendek (Turkey). *Environ Geol, 44*, 949–962.

Chen, T., Niu, R., and Jia, X. (2016). A comparison of information value and logistic regression models in landslide susceptibility mapping by using GIS. *Environ Earth Sci, 75*, 867.

Chen, W., Chai, H., Sun, X., Wang, Q., Ding, X., and Hong, H. (2016). A GIS-based comparative study of frequency ratio, statistical index and weights-of-evidence models in landslide susceptibility. *Arab Journal Geosci, Vol9*, p.204.

Cheng, Z., and Wand, J. (2016). Landslide hazard mapping using logistic regression model in Mackenzie Vallyey. *Nat Hazard, 42: 75-89*.

Cox, D. R. (1958). The regression analysis of binary sequence. *Journal of the Royal statistical society, Series B. (Methodological), 20*, 215-292.

Cruden, D. M, and Varnes, D. J. (1996). Landslide type and processes. *Landslide: Investigation and mitigation., 247*, 36-75.

Dai, F. C, and Lee, C. F. (2002). Landslide characteristics and slope instability modeling using GIS, Lantau Island, Hong Kong. *Geomorphology, 42(3-4)*, 213-228.

Devkota, K. C., Regmi, A. D., Pourghasemi, H. R., Yoshida, K., Pradhan, B., Ryu, I. C., and Dhital, M. R. (2013). Landslide susceptibility mapping using certainty factor, index of entropy and logistic regression models in GIS and their comparison at Mugling–Narayanghat road. *Nat Hazards, 65*, 135–165.

Donie, S. (2014). Community Response to Government Policies at The Potential Landslide Area: The Case in Kuloprogo Regency. *Forum Geografi,, 28*, 139 - 148. Retrieved December 2 , 2014

Endo, T. (1969). Probable distribution of the amount of rainfall causing landslides. *Annual report*, 122-16.

Esmaeil, T., Zahra, J., Mohsen, B., Abdolalia, R., and Seyed, K. A. (2014). Landslide susceptibility mapping by combining the three methods Fuzzy Logic, Frequency Ratio and Analytical Hierarchy Process in Dozain basin. *XL-2/W3, 2014*.

Fell, R., Corominas, J., Bonnar, C., Cascini, L., and Leroi, E. (2008). Guidelines for landslide susceptibility , hazard and risk zoning for land use planing. *Eng Geol, 102*, 85-98.

Feryandi, F. T. (2011). *Landslide susceptibility assessment in Karanganyar regency, Indonesia. Comparison of Knowledge-Based and Data-Driven Models.*

Glade, T. (1998). Establishing the frequency and magnitude of landslide triggering rainstorm events in New Zealand. *Environmental geology, 35*, 160-174.

Glade, T., and Crozrier, M. J. (2005). A review of scale dependency in landslide hazard and risk analysis. *Landslide hazard and risk, Wiley*, 75-138.

Gomez-rodriquez, M., Malpica, J., Benito, B., and Diaz, M. (2008). *Susceptibility assessment of earthquake-triggered landslide in EL Salvador using logistic regression.* Geomorphology, 95, 172-191.

Goodman, R. (1989). Introduction to Rock Mechanic. *Wiley, Newyork,* 526pp

Guzzetti, F., Carrara, A., Cardinali, M., and Reichenbach, P. (1999). *Landslide hazard evaluation: a review of current techniques and their application in a multi-scale study, Central Italy.* Geomorphology, 31, 181–216.

Hadmoko, D. S., Lavigne, F., Sartohadi, J., Hadi, P., and Winaryo. (2010). Landslide hazard and risk assessment and their application in risk management and landuse planning in eastern flank of Menoreh Mountains, Yogyakarta Province, Indonesia. *Nat Hazards, 54*, 623–642.

Hong, H., Chenc, W., Xua, C., Youssefd, A. M., and Pradhane, B. (2016). Rainfall-induced landslide susceptibility assessment at the Chongren area (China) using frequency ratio, certainty factor, and index of entropy. *Geocarto International*.

Hosmer, D. W, and Lemeshow, S. (2000). Applied logistic regression, 2nd Edition. New York, John Wiley and sons.

Jaafari, A., Najafi, A., Pourghasemi, H. R., Rezaeian, J., and Sattarian, A. (2014). GIS-based frequency ratio and index of entropy models for landslide susceptibility assessment in the Caspian forest, northern Iran. *Int. J. Environ. Sci. Technol,*11(4):909-926.

Karnawati, D. (1998). Natural slope failure on weathered andesitic brecia in SAMIGALUH area, Indonesia. *Fourth International Conference on Case Histories in Geotechnical Engineering, St. Louis, Missouri,*.

Kavzoglu, T., Sahin, E. K., and Colkesen, I. (2015). An assessment of multivariate and bivariate approaches in landslide susceptibility mapping: a case study of Duzkoy district. *Nat Hazards, 76*, 471–496.

Keefer, D. K, and Wilson, R. (1987). Real time landslide warning during heavy rainfall. *Science, 238*, 921-925.

Lee, E. M., and Jones, D. K. (2004). *Landslide risk assessment.* Herton Quay, London: Thomas Telford.

Long, N. T. (2008). Landslide susceptibility mapping of the mountainous area in a Loui District, Thua Thien Hue Province, Vietnam. In *VUB-Hydrologie(52)* (pp. 114-118).

Mancini, F., Ceppi, C., and Ritrovato, G. (2010). GIS and statistical analysis for landslide susceptibility mapping in the Daunia area, Italy. *Nat. Hazards Earth Syst. Sci., 10*, 1851–1864.

Mezughi, T. H., Akhir, J. M., Rafek, A. G., and Abdullah, I. (2011). Landslide Susceptibility Assessment using Frequency Ratio Model Applied to an Area along the E-W Highway (Gerik-Jeli). *1*, 43-50.

128

Muntohar, A. S. (2008). Toward Regional Rainfall Threshold For Landslide Occurrence In Yogyakarta And Central Of Java. *TEKNIC SIPIL*.

Muntohar, A. S., Ikhsan, J., and Soebowo, E . (2013). Mechanism of rainfall triggering landslide in Kulonprogo, Indonesia. *Geo-Congress ASCE2013*.

Narumon, I. (2008). *A comparative study of analytical hierarchy process and probability analysis for landslide susceptibility zonation in Lower Chaem Watershed, Northern Thailand.*

Ohlmacher, G. C, and Davis, J. C. (2003). Using multiple logistic regression and GIS technology to predic landslide hazard in Northeast Kanas, USA. *Engineering Geology, 69*, 331-343.

Pourghasemi, H. R., Mohammady, M., and Pradhan, B. (2012). Landslide susceptibility mapping using index of entropy and conditional probability models in GIS: Safarood Basin, Iran. *97*, 71–84.

Pourghasemi, H. R., Moradi, H. R., and Aghda, S. M. (2013). Landslide susceptibility mapping by binary logistic regression, analytical hierarchy process, and statistical. *Nat Hazards* 69(1):749-779.

Pourghasemi, H. R., Neisani, N. S., and Rahmat, O. (2015). Application of analytical hierarchy process, frequency ratio, and certainty factor models for groundwater potential mapping using GIS. *Earth Sci Inform*.

Pourghasemi, H. R., Pradhan, B., and Gokceoglu, C. (2012). Application of fuzzy logic and analytical hierarchy process (AHP) to landslide susceptibility mapping at Haraz watershed, Iran. *Nat Hazards, 63*, 965–996.

Prabin, K. (2010). *Landslide susceptibility mapping and hazard assessment in the Nepal Himalaya.*

Pradhan, B. (2010). Manifestation of an advanced fuzzy logic model coupled with Geo-information techniques to landslide susceptibility mapping and their comparison with logistic regression modelling. *Environ Ecol Stat,*18(3):471-493.

Radbruch, D. (1970). *Map of relative amounts of landslides in California. US Geological Survey Open-File Report 70-1485, 36 pp, map scale 1:500,000. US Geological Survey.*

Rahardjo, W, Sukandarrumini, and Rosidi, H.M.S. (1995). Geological Map of Yogyakarta Sheet, Java, Geological Research and Development Centre.

Saaty, T. L. (1980). The analytic hierarchy process: planning, priority setting, resource allocation. *McGraw-Hill Book Co, New York (1980) 287 pp.*

Saaty, T. L. (1997). Scaling method for priorities in hierarchical structures. *Mathematical Psychology*, 15:234–281.

Saaty, T. L. (2001). *Decision Making for Leaders.* Pittsburgh: RWS Publications.

Saha, A. K., Gupta, R. P., Sarkar, I., Arora, M. K., and Csaplovics, E. (2005). An approach for GIS-based statistical landslide susceptibility zonation with a case study in the Himalayas. *Landslides, 2*, 61–69.

Sahoo, S. (2009). *A semi quantitative landslide susceptibility using logistic regression model.* Himalaya. India.

Shahabi, H., Ahmad, B., and Kezri, S. (2013). Evaluation and comparison of bivariate and multivariate statistical methods for landslide susceptibility mapping (case study; Zab Basin). *Arab J Geosci, 6*, 3885-3907.

Shannon, C. F. (1948). A mathematical theory of communication. *The Bell System Technical Journal, 27*, 379-423.

Sidle, R. C, and Swanston, D. (1982). Analysis of a small debris slide in coastal Alaska. *Canadian Geotechnnical, 19*, 167-174.

Sidle, R. C, and Ochiai, H. (2006). *Landslide: processes, prediction and landuse. American Geographicl Union, Washington, D. C.* Water Resources Monograph No. 18: 312p.

Soeters, R., and Van Westen, C. J. (1996). Slope stability recognition, analysis, and zonation. In: Turner AK, Schuster RL (Eds) Landslides: investigation and

mitigation. *Transportation Research Board, Transportation Research Board, National Research Council National Academy Press,*, 129 – 177.

Somayeh, M., Karim, S., and Ebrahim, O J. (2012). Landslide Susceptibility Mapping using Multiple Regression and GIS Tools in Tajan Basin, North of Iran. *Environment and Natural Resources Research.*

Swets, J. (1988). Measuring the accuracy of diagnostic systens. *Science, 240*, 1285-1293.

Thearith, Y. (2009). *Landslide risk mapping using GIS-Based weighted linear combination in Kulon Progo Regency, Yogyakarta Special Province.*

USGS. (2004). Landslide Types and Processes. *Fact Sheet 2004-3072.*

USGS. (2008). The Landslide Handbook-A Guide to Understanding Landslide*s.Circular 1325.*

Vakhsoori, V., and Zare, M., (2016). Landslide susceptibility mapping by comparing weight of evidence, fuzzy logic and frequency ratio methods.*Geometics, Natural hazard and risk, 7*, No:5, 1731-1752.

Van Den Eckhaut, M., Vanwalleghem, T., Poesen, J., Govers, G., and Vandekerchove, L. (2006). Prediction of landslide susceptibility using rare events logistic regression: A case study in the Flemish Ardennes. *Geomorphology, 76(3-4)*, 392-410.

Van Westen, C. J. (1993). Application of Geographic Information System to landslide hazard zonation.

Van Westen, C. J. (1997). Statistical landslide hazard analysis. ILWIS 2.1 for Windows application guide. ITC Publication. *Enschede*, 73–84.

Van Westen, C. J. (2006). Landslide hazard and risk zonation-why is it still so difficult? *Bull Eng Geol Environ, 65*, 67–184.

Varnes, D. J. (1984). International Association of Engineering Geology Commission on Landslides and Other Mass Movements on Slopes.

Landslide hazard zonation: a review of principles and practice. Int Assoc Eng Geol, UNESCO. *Nat Hazards, 3*, 63.

Van Zuidam, R. (1983). In *Guide to geomorphologic arial photographic interpretation and mapping* (p. 43).

Voogd, H. (1983). *Multi criteria evaluation for urban and regional planning. Pion, London* (p.367).

Wahono, B. F. (2010). *Application of statistical and heuristi methods for landslide susceptibility assessment. A cas study in Wadas lintang Sub-district Wonosobo Regency, Central Java Province, Indonesia.*

Wang, Q., Li, W., Wu, Y., Pei, Y., and Xie, P. (2016)a. Application of statistical index and index of entropy methods to landslide susceptibility assessment in Gongliu (Xinjiang, China). *Environ Earth Sci, 75*, 599.

Wang, Q., Li, W., Yan, S., Wu, Y., and Pei, Y. (2016)b. GIS based frequency ratio and index of entropy models to landslide susceptibility mapping (Daguan, China). *Environ Earth Sci, 75*, 780.

Wiezorek, G. F. (2016). Preparing a detailed landslide inventory map for hazard evaluation and reduction. *Bull Assoc Eng Geo, 3,* 337-42.

Yesilnacar, E., and Topal, T. (2005). Landslide susceptibility mapping : A comparason of logistic regression and neural networks methods in a medium scale study, Hendek region (Turkey). *Engineering Geology, 79(3-4)*, 251-266.

Youssef, A. M., Pradhan, B., Jebur, M. N., and El-Harbi, H. M. (2015). Landslide susceptibility mapping using ensemble bivariate and multivariate statistical models in Fayfa area, Saudi Arabia. *Environ Earth Sci, 73*, 3745–3761.