

CURRICULUM VITAE



A. BUTIR-BUTIR PERIBADI *(Personal Details)*

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| Nama Penuh <i>(Full Name)</i> | Mohammad Firuz Ramli |
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| Jabatan/Fakulti <i>(Department/Faculty)</i> | E-mel dan URL <i>(E-mail Address and URL)</i> |
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| Department of Environmental Sciences Faculty of Environmental Studies Universiti Putra Malaysia Tel: 03-8946 6753 Fax: 03-89467463 | E-mail: firuz@upm.edu.my |

B. KELAYAKAN AKADEMIK *(Academic Qualification)*

| Nama Sijil / Kelayakan <i>(Certificate / Qualification obtained)</i> | Nama Sekolah Institusi <i>(Name of School / Institution)</i> | Tahun <i>(Year obtained)</i> | Bidang pengkhususan <i>(Area of Specialization)</i> |
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| Ph.D. | University of Portsmouth, United Kingdom | 2001 | Engineering Geology and Remote Sensing |
| B.Sc (Hons) | University Kebangsaan Malaysia | 1993 | Earth Science |

C SENARAI PENERBITAN **(Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan)** *(List of publications – author (s), title, journal, volume, page and year published)*

| Journal | |
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| | <p>1. Nasiman, S., Raja Zainariah, A. and M. Firuz Ramli. 1997. Soil erosion of a logged-over tropical forest, Pasoh, Negeri Sembilan. <i>Bulletin of Geological Society of Malaysia</i>, 40, 113-114</p> <p>2. Mohammad Firuz Ramli and Petley, D.N. 2002. Morphological mapping : It's subjectivity and application to the delineation of relict landslides. <i>Science Putra</i>, 10, 2, 22-26.</p> <p>3. Mohd Kamil Yusoff, Mohammad Firuz Ramli, Law Jiun Tau and Wan Nor Azmin Sulaiman. 2003. Soil erosion of a logged-over tropical forest, Pasoh, Negeri Sembilan. <i>Bulletin of Geological Society of Malaysia</i>, 46, 111-114</p> <p>4. Wan Nor Azmin Sulaiman, Mohammad Firuz Ramli, Mohd Khaair</p> |

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| | <p>Kamaruddin and Mohd Kamil Yusoff. 2003. Preliminary analysis of recession flow characteristics of granitic catchments, <i>Bulletin of Geological Society of Malaysia</i>, 46, 291-293.</p> <p>5. Mohamad, A. M. and Mohammad Firuz, R. and Zakaria, M. 2005. Terrain Features Mapping Using Aerial Photographs and Digital Elevation Model in Cameron Highlands, Pahang. <i>Bulletin of Geological Society of Malaysia</i>, 51.</p> <p>6. Ramli, M.F, and Petley, D.N. 2005. Image filtering of Airborne Thematic Mapper for landslide delineation. <i>Journal of Ultra Scientist of Physical Sciences</i>.17,2</p> <p>7. Mohammad Firuz Ramli, Mohd Kamil Yusoff , Saari Mustapha and Choo Siet Mei. 2005. Erosion Potential Assessment using Open Source Geographical Resources Analysis Support System (GRASS) for Langkawi Island, Malaysia. <i>International Journal of Geoinformatics</i>. Vol 1,No 1, 91-94.</p> <p>8. Ramli, M.F, and Petley, D.N. 2006. Best band combination for landslide studies in temperate environments. <i>International Journal of Remote Sensing</i>. 27 (6), 1219-1231. (Impact factor: 1.117)</p> <p>9. Mohd Kamil Yusoff, Mohammad Firuz Ramli, Hafizan Juahir, Kwong Siew San, Latifah Abd. Manaf, Tengku Hanidza Tengku Ismail and Rosta Harun. 2008. BOD5 and TOC at river crossings, East-Coast Highway, Peninsular Malaysia, <i>Journal of Environmental Hydrology</i>. Vol. 16, Paper 19.</p> <p>10. Mohammad Firuz Ramli, Saari Mustapha, Mohd Kamil Yusoff, Norsuzilah Binti Mohd Zin, Cheong Sue Jen, Ying Siew Chin and Mohammad Abd. Manap. 2008. Landuse change using Landsat TM for Cameron Highlands. <i>Asian Journal of Microbiology, Biotechnology and Environmental Sciences</i>. 10 (2), pp. 215-218.</p> <p>11. Hafizan Juahir, Mohd Kamil Yusoff, Sharifudin, M.Zain, Mohammad Firuz Ramli, Ozelin Oksel, Zawati Mat Perak and Abd. Rashid Haron. 2008. The prediction of suspended solids of river in forested catchment using artificial neural network. <i>Malaysian Forester</i>, 71, 201-210</p> <p>12. Ramli, M.F., Tripathi, N.K., Shafri, H.M.Z., Ali Rahman, Z, and Yusof, N. 2009. Lineament mapping in a tropical environment using Landsat imagery. <i>International Journal of Remote Sensing</i>.30 (23), 6277-6300. (Impact factor: 1.117)</p> <p>13. Mohamad, A. M. and Mohammad Firuz, R. and Ghufuran Redzwan. 2009. The application for digital elevation model for the interpretation of the Klang Valley Geological Information. <i>Disaster Prevention and Management</i>. 18(5) 504-510.</p> <p>14. Mohamad Abd Manap, Mohammad Firuz Ramli, Wan Nor Azmin Sulaiman and Noraini Surip.2010. Application of remote sensing in the identification of the geological terrain features in Cameron Highlands,</p> |
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| | <p>Malaysia. <i>Sains Malaysiana</i>, 39, 1-10. (Impact factor: 0.268)</p> <p>15. Saied Pirasteh, Sirous Radkya,, Nitin K. Thripathi, Biswajeet Pradhan, Shattri Mansour and Mohammad Firuz Ramli. 2009. Landscapes Rendition in Zagros Mountain, Iran Using Geo information Technology. <i>Journal of Geomatics</i>, 3(1), 71-76.</p> <p>16. M.F.Ramli, N. Yusof, M.K. Yusoff, H. Juahir and H.Z.M.Shafri. 2010. Lineament mapping and its application in landslide hazard assessment. A review. <i>Bulletin of Environmental and Engineering Geology</i>, 69, 215- 233. (Impact factor: 0.667)</p> <p>17. Jafar Jamshid Nezhad Anbarani, Wan Nor Azmin Sulaiman, Mohammad Firuz Ramli and Bijan Ghahraman. 2010. Assessing the Available Surface Water Resources of Torogh Dam for Agricultural Consumption-Problems and Solutions for Future. <i>World Applied Sciences Journal</i> 7 (7): 891-896. (Impact factor: 0.234)</p> <p>18. M.F.Ramli, N. Yusof, M.K. Yusoff, H. Juahir, M.A. Mismam and H.Z.M.Shafri. 2010. Comparison between topographic expression of RADARSAT and DEM in Simpang Pulai to Pos Selim, Malaysia. <i>EnvironmentAsia</i>, 3, 93-97.</p> <p>19. Loi Kok Chng, Ahmad Makmom Abdullah, Wan Nor Azmin Sulaiman and Mohammad Firuz Ramli. 2010. The Effects of Improved Land Use on the Meteorological Modeling in Klang Valley Region Malaysia. <i>EnvironmentAsia</i>, 3, 117-123.</p> <p>20. N. Yusof, M.F.Ramli, S.Pirasteh and H.Z.M.Shafri. 2011. Landslides and lineament mapping along the Simpang Pulai to Kg Raja highway, Malaysia. <i>International Journal of Remote Sensing</i>, 32 (14), 4089-4105 (Impact factor: 1.117)</p> <p>21. J. Amanollahi, S. Kaboodvandpour, A. M. Abdullah, M. F. Ramli. 2011. Accuracy assessment of moderate resolution image spectroradiometer products for dust storms in semiarid environment. <i>International Journal of Environmental Science and Technology</i>. 8(2), 373-380. (Impact factor: 3.157)</p> <p>22. Jamil Amanollahi, Ahmad Makmom Abdullah, Saeid Pirasteh, Mohammad Firuz Ramli, and Prinaz Rashidi. 2011. PM10 Monitoring Using MODIS AOT and GIS, Kuala Lumpur, Malaysia.. <i>Research Journal of Chemistry and Environment</i> 15 (2), 1-4. (Impact factor: 0.323)</p> <p>23. Jamil Amanollahi, Ahmad Makmom Abdullah, Mohammad Firuz Ramli and Saeid Pirasteh. 2012. Influences of the window size of moderate resolution imaging spectroradiometer (MODIS) aerosol optical thickness (AOT) values on particulate matter (PM10) motoring in Klang Valley, Malaysia. <i>Scientific Research and Essays</i>, 7,12, 1373-1380. (Impact factor: 0.32)</p> <p>24. Jamil Amanollahi, Ahmad Makmom Abdullah, Mohammad Firuz Ramli and Saied Pirasteh. 2012. Land Surface Temperature</p> |
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| | <p>Assessment in Semi-Arid Residential Area of Tehran, Iran Using Landsat Imagery. <i>World Applied Sciences Journal</i> 20 (2): 319-326. (Impact factor: 0.234)</p> <p>25. Mohamad Abd Manap, Wan Nor Azmin Sulaiman, Mohammad Firuz Ramli, Biswajeet Pradhan and Noraini Surip. 2012. A knowledge-driven GIS modeling technique for groundwater potential mapping at the Upper Langat Basin, Malaysia. <i>Arabian Journal of Geosciences</i>. (Impact factor: 1.141)</p> <p>26. Saied Pirasteh, Biswajeet Pradhan, Hojjat O. Safari and Mohammad Firuz Ramli. 2012. Coupling of DEM and remote-sensing-based approaches for semi-automated detection of regional geostructural features in Zagros mountain, Iran. <i>Arabian Journal of Geosciences</i>. 6 (1), 91-99 (Impact factor: 1.141)</p> <p>27. <u>A.O. Olaniyi</u>, <u>A.M. Abdullah</u>, <u>M.F. Ramli</u> and <u>M.S. Alias</u>. 2012. Assessment of drivers of coastal land use change in Malaysia. <i>Ocean & Coastal Management</i>, 67, 113-123. (Impact factor: 1.538)</p> <p>28. Nabeel M. Gazzaz, Mohd Kamil Yusoff, Mohammad Firuz Ramli, Ahmad Zaharin Aris, Hafizan Juahir. 2012. Characterization of spatial patterns in river water quality using chemometric pattern recognition techniques. <i>Marine Pollution Bulletin</i>. 64, 688-698. (Impact factor: 2.359)</p> <p>29. Adamu Mustapha, Ahmad Zaharin Aris, Mohammad Firuz Ramli and Hafizan Juahir. 2012. Spatial-temporal variation of surface water quality in the downstream region of the Jakara River, north-western Nigeria: A statistical approach. <i>Journal of Environmental Science and Health, Part A: Toxic/Hazardous Substances and Environmental Engineering</i> Volume 47, Issue 11, 1551-1560. ((Impact factor: 1.19)</p> <p>30. Nabeel M. Gazzaz, Mohd Kamil Yusoff, Ahmad Zaharin Aris, Hafizan Juahir and Mohammad Firuz Ramli. 2012. Artificial neural network modeling of the water quality index for Kinta River (Malaysia) using water quality variables as predictors <i>Marine Pollution Bulletin</i>. 64, 11, 2409-2420. (Impact factor: 1.538)</p> <p>31. Adamu Mustapha, Ahmad Zaharin Aris, Mohammad Firuz Ramli, and Hafizan Juahir. 2013. Temporal Aspects of Surface Water Quality Variation Using Robust Statistical Tools. <i>Scientific World Journal</i>. DOI:10.1100/2012/294540. (Impact factor: 1.730)</p> <p>32. Adamu Mustapha, Ahmad Zaharin Aris, Hafizan Juahir, Mohammad Firuz Ramli. 2013. Surface water quality contamination source apportionment and physicochemical characterization at the upper section of the Jakara Basin, Nigeria. <i>Arabian Journal of Geosciences</i>. (Impact factor: 1.141)</p> <p>33. Adamu Mustapha, Ahmad Zaharin Aris, Hafizan Juahir, Mohammad Firuz Ramli, Nura Umar, 2013. River water quality assessment using</p> |
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environmentric techniques: case study of Jakara River Basin. Environmental Science and Pollution Research International. (Impact factor: 2.651)

34. Badriyah Zakaria, Ramdzani Abdullah, **Mohammad Firuz Ramli** & Puziah Abdul Latif 2013. Selection criteria using the Delphi method for siting an integrated hazardous waste disposal facility in Malaysia. Journal of Environmental Planning and Management. 56, 4, 512-530. (Impact factor: 1.107)

35. Nura Kura, **Mohammad Firuz Ramli**, Wan Sulaiman, Shaharin Ibrahim, Ahmad Aris, Adamu Mustapha.2013. Evaluation of factors influencing the groundwater chemistry in a small tropical island of Malaysia. International Journal of Environmental Research and Public Health. Accepted for publication (Impact factor: 1.605)

36. Nabeel M Gazzaz, Mohd Kamil Yusoff, Hafizan Juahir, **Mohammad Firuz Ramli**, Ahmad Zaharin Aris.2013. Water Quality Assessment and Analysis of Spatial Patterns and Temporal Trends, Water Environment Research 85, 8, 751-767. (Impact factor: 1.134)

37. Amanollahi, J., Tzani, C., Abdullah, A.M., **Ramli, M.F.**, Pirasteh, S. .2013. Development of the models to estimate particulate matter from thermal infrared band of Landsat Enhanced Thematic Mapper. International Journal of Environmental Science and Technology. 10, 1245-1524 . 10.1007/s13762-012-0150-7. (Impact factor: 1.844)

38. Tahoori Sheikhy Narany, **Mohammad Firuz Ramli**, Ahmad Zaharin Aris, Wan Nor Azmin Sulaiman, Hafizan Juahir, Kazem Fakharian. 2014. Identification of the Hydrogeochemical Processes in Groundwater Using Classic Integrated Geochemical Methods and Geostatistical Techniques, in Amol-Babol Plain, Iran. The Scientific World Journal 01/; DOI:dx.doi.org/10.1155/2014/419058 (Impact Factor: 1.73).

39. Tahoori Sheikhy Narany, **Mohammad Firuz Ramli**, Ahmad Zaharin Aris, Wan Nor Azmin Sulaiman, Kazem Fakharian. 2014. Spatial Assessment of Groundwater Quality Monitoring Wells Using Indicator Kriging and Risk Mapping, Amol-Babol Plain, Iran. Water 12/2013; 6(1):68-85. DOI:10.3390/w6010068. (Impact Factor: 0.97).

40. Tahoori Sheikhy Narany, **Mohammad Firuz Ramli**, Ahmad Zaharin Aris, Wan Nor Azmin Sulaiman, Kazem Fakharian. 2014. Groundwater irrigation quality mapping using geostatistical techniques in Amol-Babol Plain, Iran. Arabian Journal of Geosciences. 10.1007/s12517-014-1271-8 (Impact factor: 0.740)

41. Mohamad Abd Manap, Haleh Nampak, Biswajeet Pradhan, Saro Lee, Wan Nor Azmin Sulaiman, **Mohammad Firuz Ramli**. 2014. Application of probabilistic-based frequency ratio model in groundwater potential mapping using remote sensing data and GIS.

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| | <p>Arabian Journal of Geosciences. 7,2, 711-724 (Impact factor: 0.740)</p> <p>42. Nura Kura, Mohammad Firuz Ramli, Wan Sulaiman, Shaharin Ibrahim, Ahmad Aris, Adamu Mustapha. 2014. An integrated assessment of seawater intrusion in a small tropical island using geophysical, geochemical, and geostatistical techniques. Environmental Science and Pollution Research. 21, 11, 7047-7064. (Impact factor: 2.618)</p> <p>43. Ahmad Zaharin Aris, Wan Ying Lim, Sarva Mangala Praveena, Mohd Kamil Yusoff, Mohammad Firuz Ramli and Hafizan Juahir. 2014. Water Quality Status of Selected Rivers in Kota Marudu, Sabah, Malaysia and its Suitability for Usage. Sains Malaysiana 43(3)(2014): 377-388. (Impact factor: 0.350)</p> <p>44. Adamu Mustapha, Ahmad Zaharin Aris, Fatimah Md. Yusoff, Mohamad Pauzi Zakaria Mohammad Firuz Ramli Ahmad Makmom Abdullah, Nura Umar Kura and Tahoorah Sheikh Narany. 2014. Statistical Approach in Determining the Spatial Changes of Surface Water Quality at the Upper Course of Kano River, Nigeria. Water Quality, Exposure and Health. Springer. 6, 127-142.</p> <p>45. Ahmad Zaharin Aris, Wan Ying Lim, Sarva Mangala Praveena, Mohd Kamil Yusoff, Mohammad Firuz Ramli and Hafizan Juahir. 2014. Water Quality Status of Selected Rivers in Kota Marudu, Sabah, Malaysia and its Suitability for Usage. Sains Malaysiana 43(3)(2014): 377-388. (Impact factor: 0.350)</p> <p>46. Tahoorah Sheikh Narany, Mohammad Firuz Ramli, Ahmad Zaharin Aris and Wan Nor Azmin Sulaiman & Kazem Fakharian. 2014. Spatiotemporal variation of groundwater quality using integrated multivariate statistical and geostatistical approaches in Amol-Babol Plain, Iran. Environmental Monitoring Assessment. 186:5797-5815. (Impact factor: 1.679)</p> <p>47. Nura Kura, Mohammad Firuz Ramli, Wan Sulaiman, Shaharin Ibrahim, Ahmad Aris, Adamu Idris Tanko, Muhammad Amar Zaudi. 2015. Assessment of Groundwater Vulnerability to anthropogenic pollution and seawater intrusion in a Small Tropical Island Using Index based Methods Environmental Science and Pollution Research. Environmental Science and Pollution Research. 22, 1512-1533 (Impact factor: 2.757)</p> <p>48. Tahoorah Sheikh Narany, Mohammad Firuz Ramli, Ahmad Zaharin Aris, Wan Nor Azmin Sulaiman, Kazem Fakharian. 2015. Groundwater irrigation quality mapping using geostatistical techniques in Amol-Babol Plain, Iran. Arabian Journal of Geosciences. 8, 961-976 (Impact factor: 1.152)</p> <p>49. Tahoorah Sheikh Narany, Mohammad Firuz Ramli, Ahmad Zaharin Aris, Wan Nor Azmin Sulaiman and Kazem Fakharian. 2015. Multi-Objective Based Approach for Groundwater Quality Monitoring Network Optimization. Water Research Management. DOI:</p> |
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| | <p>10.1007/s11269-015-1109-5 (Impact factor: 2.463)</p> <p>50. Akeem Olawale Olaniyi, Ajiboye, A. J. Ahmad Makmom Abdullah, Mohammad Firuz Ramli and Alias Mohd Sood. 2015. Agricultural land use suitability assessment in Malaysia. Bulgarian Journal of Agricultural Science, Vol. 21, No.3, pp. 576-558. (Impact factor: 0.229)</p> <p>51. Jamil Amanollahi, Chris Tzani, Mohammad Firuz Ramli, and Ahmad Makmom Abdullah.2016. Urban heat evolution in a tropical area utilizing Landsat imagery. Atmospheric Research. 167 (2016) 175-182 (Impact factor: 2.84)</p> <p>52. Nazren Leman, Mohammad Firuz Ramli, Rd Puteri Khairani Khirotdin. 2016. GIS-based integrated evaluation of environmentally sensitive areas(ESAs) for land use planning in Langkawi, Malaysia. Ecological Indicators, 61, 293-308. (Impact factor: 3.44)</p> <p>53. Nura Kura, Mohammad Firuz Ramli, Wan Sulaiman, Shahrin Ibrahim, Ahmad Aris. 2016. An overview of groundwater chemistry studies in Malaysia. Environmental Science and Pollution Research. 21, DOI 10.1007/s11356-015-5957-6 (Impact factor: 2.828)</p> <p>54. Maher Milad Aburas, Yuek Ming Ho, Mohammad Firuz Ramli, and Zulfa Hanan Ash'aari. 2016. The simulation and prediction of spatio-temporal urban growth trends using cellular automata models: A review. International Journal of Applied Earth Observation and Geoinformation, 52, 380-389. (Impact factor: 3.798)</p> <p>55. TS Narany, MF Ramli, K Fakharian, AZ Aris. 2016. A GIS-index integration approach to groundwater suitability zoning for irrigation purposes. Arabian Journal of Geosciences, 9, 7, 1-15. (Impact factor: 1.224)</p> <p>56. Narany,T.F. Ramli, M.F. Fakharian, K. and Aris, A.Z. 2016. A GIS-index integration approach to groundwater suitability zoning for irrigation purposes. Arabian Journal of Geosciences, 9, 7, 1-15. (Impact factor: 1.224)</p> <p>57. Ab Razak, N.H., Aris, A.Z., Ramli, M.F., Looi, L.J., Juahir, H. 2016. Temporal flood incidence forecasting for Segamat River (Malaysia) using autoregressive integrated moving average modelling. Journal of Flood Risk Management. (Impact factor: 1.377)</p> <p>58. Maher Milad Aburas, Yuek Ming Ho, Mohammad Firuz Ramli, and Zulfa Hanan Ash'aari. 2017. Improving the capability of an integrated CA-Markov model to simulate spatio-temporal urban growth trends using an Analytical Hierarchy Process and Frequency Ratio. International Journal of Applied Earth Observation and Geoinformation 59, 65-78. (Impact factor: 3.798)</p> <p>59. Da'u Abba Umar, Mohammad Firuz Ramli, Ahmad Zaharin Aris,</p> |
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| | <p>Wan NorAzmin Sulaiman, Abubakar Ibrahim Tukur. 2017. An Overview Assessment of the Effectiveness and Global Popularity of Some Methods of Measuring Riverbank Filtration. <i>Journal of Hydrology</i>, 550, 497-515. (Impact factor: 3.043)</p> <p>60. Hamzah, Z., Aris, AZ, Ramli, MF, Juahir, H Narany. TS 2017. Groundwater quality assessment using integrated geochemical methods, multivariate statistical analysis, and geostatistical technique in shallow coastal aquifer of Terengganu, Malaysia. <i>Arabian Journal of Geosciences</i>. 10 (2), 49. (Impact factor: 1.224)</p> |
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