

CURRICULUM VITAE

1.0 PERSONAL

Name in Full : **Hingure Arachchilage DHARMAGUNAWARDHANE**
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Date of Birth : 01 June 1954
Marital Status : Married - 2 children

Position : Professor,
Department of Geology, Faculty of Science
University of Peradeniya,
Peradeniya,
SRI LANKA.

Coordinator,
MSC Program in Water Resources Management,
Postgraduate Institute of Science
University of Peradeniya,
Peradeniya,
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Coordinator,
MSC Program in Engineering geology & Hydrogeology,
Postgraduate Institute of Science
University of Peradeniya,
Peradeniya,
SRI LANKA

2.0 EDUCATIONAL QUALIFICATIONS

B.Sc. Honors 2nd Class Upper Division
(Geology). University of Peradeniya, Sri Lanka.
M.Phil. (Hydrogeology). University of Peradeniya , Sri Lanka.
Ph.D. (Hydrogeology) .Geological Institute, University of Copenhagen, Denmark.

2.1 ACADEMIC/PROFESSIONAL QUALIFICATIONS OBTAINED AFTER GRADUATION

Training in water quality monitoring (October 1979), National Environmental Engineering Research Institute. Nagpur, INDIA Sponsored by W.H.O.

Post graduate training in Hydrogeology and Applied Geophysics with special reference to groundwater prospecting, (April-October 1983), Technical University, Lyngby, Denmark.

DANIDA course on water supply (Resources - Transportation, Treatment, Design) (November-December 1987) Nagpur India - Sponsored by DANIDA.

Advanced International Training Programme in Management of groundwater supply for Urban areas, (May-June 1993), Chalmers University, Gothenburg, Sweden.

Research training programme on Environmental Isotopes in groundwater. (January- April 1999) Tono Geoscience Centre, Japan Nuclear Cycle Institute, Toki, Japan.

Advanced International Training Programme in Groundwater Development and Management in Hard rock Areas., (May-June 2003), Chalmers University, Gothenburg, Sweden

Member /Chartered Geologist , Institute of Geology (IGSL) Sri Lanka Membership No.M001

3.0 EMPLOYMENT RECORD

3.1 Assistant Lecturer in Geology (October 1978-June 1979)

Department of Geology, University of Peradeniya, Sri Lanka.

Duties - Conducting theory and practical classes for Geology undergraduates

3.2 Geologist, Groundwater division (July 1979-March 1981)

Water Resources Board, Sri Lanka.

Duties - Counterpart to a British Hydrogeologist on a ground water evaluation project in the North-western sedimentary belt of Sri Lanka, sponsored by the overseas Development Authority of the United Kingdom.

3.3 Junior Hydrogeologist (April 1981-January 1982)

M/S Kampsax Kruger (Danish Consulting Firm) DANIDA Assisted Rural Water Supply and Sanitation (Planning) Project of the Matale and Polonnaruwa Districts - Sri Lanka.

Duties - Assisting a Danish expatriate hydrogeologist and a geophysicist for carrying out hydrogeological and geophysical investigations for locating tube wells throughout the planning phase. Data collection and preparation of hydrogeological reports.
This project was sponsored by the Danish International Development Agency.

3.4 Geologist, Ground Water Section (Feb. 1982-April 1983)

Plancenter Limited (Finnish Consulting Firm) Rural Water Supply and Sanitation

Project of the Kandy District, Sri Lanka.

Duties - Assisting a Finnish Hydrogeologist, conducting Hydrogeological and Geophysical investigations including supervision of well drilling and data recording.
This Project was sponsored by the International Development Agency of Finland.

3.5

Hydrogeologist, Ground Water Section (Nov. 1983-Jul.1989)

M/S Kampsax-Kruger (Danish Consulting Firm), Rural Water Supply and Sanitation Project of the Matale and Polonnaruwa Districts, Sri Lanka. This project was sponsored by the Danish International Development Agency.

Duties - **(Nov. 1983 - April 1987) Hydrogeologist**
Carrying out Hydrogeological and geophysical investigations for locating, testing and rehabilitating water sources such as springs tube wells and shallow dug wells.
Conducting studies/research on water quality problems due to high Chloride, Iron, and Fluoride.

(May 1987 - June 1989) Senior Hydrogeologist

Planning and execution of Ground Water Section's activities which include following main fields:

Hydrogeological and Geophysical investigations in locating tube wells.
Construction of new tube wells and dug wells with hand pumps in rural areas.

Rehabilitation of old tube wells and dug wells.

Hydrogeological and geochemical research.

Conducting community awareness programs on water resources management
Management of ground water data bank where hydrogeological geographical, technical, and chemical data of more than 2000 tube wells and about 600 dug wells are stored in computer data bases and manual filing systems.

Preparation of cost estimates and budgets.

3.6

Lecturer/Senior Lecturer//Professor, Department of Geology, Faculty of Science University of Peradeniya Sri Lanka (July 1989 - To date)

Duties - Carrying out lectures and practical classes to geology undergraduates in Hydrogeology, Geophysics and Field geology. Research work on related subjects.

Services provided on secondment upon requests made to the University by the projects

3.6.1

Chief Hydrogeologist, (External), Kampsax-Kruger, (July 1989- January 1992), Rural Water Supply and Sanitation Project of the Matale and Polonnaruwa Districts, Sri Lanka.

Duties - Planing, Execution, and supervision of all groundwater development activities of the project and financial control of the groundwater section.

(Released on secondment upon the request made to the University by the project)

3.6.2

Senior Hydrogeologist, (External), Water Resources Team (February 1992- February 1993)

The Project on Preparation of the Master Plan of Rural Water supply and Sanitation in Anuradhapura District, sponsored by the Danish International Development Agency.

(Released on Secondment upon the request made to the University by the General Manager, National Water Supply and Drainage Board)

Duties - Collection and compilation of hydrogeological, hydrological, geochemical and geological data in Anuradhapura District.

- Preparation of questionnaires and data collection formats for water resources investigations.
- Supervision of geological and geophysical locating of bore holes and interpretation of data.
- Preparation of priority lists for water supply
- Pollution impact studies.
- Preparation of cost estimates.
- Performance and analyses of test pumping in bore holes.
- Compilation of hydrogeological maps. Preparation of hydrogeological reports.

3.6.2

External Hydrogeologist. Kandy District Water supply and Sanitation Project, sponsored by FINNIDA (August 1993 - February 1994).

Duties - Advisor for Selection of sites for community water supply bore holes and shallow dug wells.

- Advisor for solving hydrogeological problems.
- Establishment of the computerized Groundwater Data bank

4.0

WORK EXPERIENCE

4.1 Investigations and management on groundwater abstraction for a given area or rural community.

- 4.2 Geological and Hydrogeological field mapping.
- 4.3 Geophysical investigations including borehole logging.
- 4.4 Subsurface characterization based on Geophysical exploration at engineering geological, mining and groundwater development projects.
- 4.5 Compilation of hydrogeological data and preparation of reports and maps.
- 4.6 Geochemical investigations.
- 4.7 Tube well and dug well design construction and rehabilitation.
- 4.8 Management of Groundwater data.
- 4.9 Planning and executing of hydrogeological, geophysical investigations and drilling operations.
- 4.10 Teaching and research in Hydrogeology ,Applied geophysics and relative subjects at the university undergraduate and postgraduate levels.
- 4.11 Coordination of Postgraduate degree programs in earth science

5.0 TECHNICAL PAPERS PRESENTED/PUBLISHED

- 1 Lawrence, A.R. and Dharmagunawardhane, H.A., 1983: Vertical Recharge to a Confined Limestone in North West Sri Lanka. Journal of Hydrology, 63.
- 2 Christianson H. and Dharmagunawardhane, H.A., 1986: Hydrogeological investigations in hard rock terrains of Sri Lanka, Proceedings of the Seminar on Groundwater and water quality in Sri Lanka, Institute of Fundamental Studies, Sri Lanka,.
- 3 Christianson H. and Dharmagunawardhane, H.A., 1987: Behavior of some chemical parameters in tube Well Water in Matale and Polonnaruwa districts, Sri Lanka. Special Publication on Environment of Sri Lanka,.Sri Lanka Association of the Advancement of Science, pp25-43
- 4 Adikari A.I.K. and Dharmagunawardhane, H.A., 1988: A note on a Low Cost Defluoridation Method for Rural Water Supplies, Jour. of the Geological Society of Sri Lanka,.Vol.1., pp99-104
- 5 Dharmagunawardhane,H.A.,and Adikari,A.I.K., 1989: A Note on the Occurrence of High Iron Content in Tube Well Water and its Removal. Journal of the Geological Society of Sri Lanka, Vol.2., pp89-91.
- 6 Dissanayake,C.B.,and Dharmagunawardhane, H.A., 1991: Hydrogeochemistry of Deep Tube Wells in the Dry Zone of Sri Lanka. A Case Study from Matale and Polonnaruwa Districts.(Abstr)., Second International Symposium on the Geology of Sri Lanka,. 17p
- 7 Dharmagunawardhane,H.A., and Dissanayake,C.B., 1993: Fluoride Problems in Sri Lanka. Journal of the Environmental Management and Health, Vol.4, No.2,. pp 9-17
- 8 Dharmagunawardhane,H.A., and Ajithprema,M.M.J.P.,1994: Resistivity Surveys for roundwater Investigations in Hard Rock Areas of Sri Lanka. Journal of the Geological Society of Sri Lanka, Vol.5,. pp113-120
- 9 Dharmagunawardhane,H.A.,1995: Groundwater in the Sri Lankan Precambrian. Hand

- book on Geology and Mineral Resources of Sri Lanka, K. Dahanayake(ed.), GEOSAS-II, Colombo, Sri Lanka,. pp75-77
- 10 Dharmagunawardhane,H.A.,and Ajithprema, M.M.J.P., 1995: Some Chemical and Bacteriological Parameters in Groundwater in a Crystalline Rock Terrain: A Case Study From Anuradhapura District,Sri Lanka.(Abstr)., Second South Asia Geological Congress, Colombo, Sri Lanka, 46p
 - 11 Dharmagunawardhane,H.A.,and Dissanayake,C.B., 1996.: Low Cost Defluoridation of Fluoride-rich water, Development of a Household Filter. Journal of the Geological Society of Sri Lanka, Vol.6.,pp51-58.
 - 12 Weerasooriya,R.,Wikramaratne,H.U.S and Dharmagunawardhane,H.A., 1998: Surface Complexion Modeling of Fluoride Adsorption on to Kaolinite., ELSEVIER,Colloids and Surfaces. An International Journal,Section A:Physicochemical and Engineering Aspects.,144., pp267-273.
 - 13 Dharmagunawardhane,H.A., 1998: Fluoride desorption potential of some geological material in an area of Endemic Fluorosis,Sri lanka.(Abstr). International Seminar on Applied Hydrogeochemistry 18-20 November 1998, Annamalai University, Annamalai Nagar India.
 - 14 Dharmagunawardhane,H.A. and Wikramasuriya,A.K.,1998: Effect of surface water infiltration on groundwater fluoride concentration close to an irrigation tank -A case study in Polonnaruwa District.(Abstr). Annual Research Sessions November 7,1998, Proceedings and Abstracts. University of Peradeniya, Sri Lanka.72p.
 - 15 Malaviarachchi, M.A.S.P.K. and Dharmagunawardhane, H.A., 2001: Use of Cyclogram Technique for the interpretation of Water Supply Borehole: A case Study in Polonnaruwa Area.(Abstr). Proceedings of the Annual Research Sessions University of Sri Lanka, Vol.6, 143p.
 - 16 Senarathne, A., Dharmagunawardhane,H.A. and Fernando, G.W.A.R., 2001: Discovery of a new primary Magnetite Deposit in Wellawaya.(Abstr). Proceedings of the Annual Research Sessions University of Sri Lanka, Vol.6, 133p.
 - 17 Dharmagunawardhane, H.A. 2001: Fluoride in the groundwater of Sri Lanka. V.Subramanian and A.L.Ramanathan (eds.), Ecohydrology(2001) Unesco-IHP Series, Capital publishing Company, New Delhi, 157-166pp.
 - 18 Dharmagunawardhane,H.A. and Malavi Arachchi, M.A.S.P.K.,2002. Discovery of Another Gondwana Basin in the Northwest Sri Lanka: Preliminary Findings. (Abstr.) Geological Society of Sri Lanka ,Eighteenth Annual Sessions:Abstracts. 01p.
 - 19 Rajasuriar,I.,Mathavan,V., Dharmagunawardhane,H.A. and Nanda Kumar,V.,2002. Groundwaterquality in the Valigamam region of the Jaffna peninsula,Sri

Lanka.Geological Society,London, Special Publications, Vol 93, pp181-197.

- 20 Senarathne, A. and Dharmagunawardhane,H.A, 2002: Geophysical Exploration for quantification of Raw material in Aruwakkalu Limestone Reserve. (Abstr) First research sessions September 7-8, 2002. Post graduate Institute of Science, University of Peradeniya, Sri Lanka.
- 21 Wjesundara, D.D.T.S. and Dharmagunawardhane,H.A., 2002. Hydrogeology of the Gannoruwa Alluvial Aquifer. (Abstr.)Proceedings of the Annual Research Sessions, University of Peradeniya, Sri Lanka, Vol.7. 132p.
- 22 Bandara,A.M.N, Dharmagunawardhan,H.A. and Udeni Amarasinghe. 2004. Yield Enhancement of Tube Wells by Hydrofracturing Technique: Experience In The Hardrock Terrain of Sri Lanka. (Abstr.) Proceedings of the Annual Research Sessions, University of Peradeniya, Sri Lanka, Vol.9. 159p.
- 23 Wijayawardhana,R.G.A, Zoiza.A.K.N.and Dharmagunawardhane H.A.2004. Effect of fertilizer application in up-country tea lands on Downstream pollution(Abstr.) Proceedings of the Annual Research Sessions, University of Peradeniya, Sri Lanka, Vol.9. 192p.
- 24 Ileperuma,O.A., Dharmagunawardhane,H.A. and Herath, K.R.P.K:2004. Chronic renal failure in the Medawachchiya –Padawiya Areas: A Geo-environmental Study. (Abstr.) Proceedings of the Annual Research Sessions, University of Peradeniya, Sri Lanka, Vol.9, 156p
- 25 Dharmagunawardhane,H.A. and Vitanage.M.2006. Status of a tsunami affected coastal aquifer in the east coast of Sri Lanka, a case study from Batticaloa District, Sri Lanka (Abstr), Proceedings of Second International Groundwater conference,(February 1-4,2006) Jawaharlal Nehru University, New Delhi India. 161p
- 26 Illangasinghe, I.K..M.C..K, Dharmagunawardhane,H.A. and Hewawasam,T. 2006. Some hydrogeological and geophysical aspects of the Rankiri Ulpotha thermal spring, Trincomalee,Sri Lanka .(Abstr.) Geological Society of Sri Lanka ,22nd Annual Sessions:Abstracts. 05p.
- 27 Dharmagunawardhane,H.A. , Perera, H.A.S.A.A., Gamage, K.L.S and Malalgoda,D. 2006. Identification of Potable groundwater resources in an endangered Coastal Aquifer in Kalpitiya, North west Sri Lanka: A geochemical and geophysical approach (Abstr.) Proceedings of the Annual Research Sessions, University of Peradeniya, Sri Lanka, Vol.11. 149p.
- 28 Edirisooriya E.M.S.G.M. and Dharmagunawardhane,H.A. 2006. Jurassic Plant fossils in a Gondwana Basin, North west Sri Lanka: Some recent findings. (Abstr.) Proceedings of the Annual Research Sessions, University of Peradeniya, Sri Lanka, Vol.11. 152p.

- 29 Dharmagunawardhane, H.A. and Pitawala, A., 2007. Some observations on natural groundwater quality recovery processes in tsunami affected coastal aquifer in the west coast of Sri Lanka. (Abstr.). Proceedings of the International conference on Mitigation of the Risk of Natural Hazards. University of Peradeniya Sri Lanka.. 33p.
- 30 Pitawala, A., Dharmagunawardhane, H.A., Ajith Chandane, P.K. and Welagedara, A.S., 2007. Adsorption and Desorption of some ionic species by tsunami affected soils in the west coast.: Some findings from a laboratory simulation (Abstr.). Proceedings of the International conference on Mitigation of the Risk of Natural Hazards. University of Peradeniya Sri Lanka.. 39p.
- 31 Dharmagunawardhane, H.A., 2007. Status of the Productiveness of the Hard rock aquifers of Sri Lanka, as revealed from the yield of water supply boreholes: a case study from the Hard rock terrain of Sri Lanka. (Abstr) Proceedings of the International Groundwater Conference (IGC-2007), Tamilnadu Agricultural University, Coimbatore, India. (26p)
- 32 Dharmagunawardhane, H.A., 2007, Spatial variation of some groundwater quality parameters in a highly vulnerable coastal aquifer in the west coast of Sri Lanka. (Abstr). Abstract volume of the International Conference on Coastal Zone Environment and Sustainable development : Vulnerability, Adaptation and Beyond. School of Environmental Science, Jawaharlal Nehru University, New Delhi, India. (92p)
- 33 Edirisooriya, M., Dharmagunawardhane, H.A. and Yakandawala D. 2007. An Assessment of plant fossils in Gondwana sediments of Tabbowa. Some Recent findings. (Abstr.) Geological Society of Sri Lanka, 23rd Annual Sessions: Abstracts. (11p)
- 34 Malaviarachchi, S.P.K. and Dharmagunawardhane, H.A. 2007. Borehole data representation by Cyclogram: A case study from Polonnaruwa area, Sri Lanka. Journal of the geological Society of Sri Lanka Vol. 12, pp 21-27
- 35 Dharmagunawardhane, H.A. and Asanka Welagedara. 2007. Status of Natural Recovery of groundwater in some tsunami affected coastal aquifers in Sri Lanka, (Abstr.) Proceedings of the Groundwater Conference, Ilanga Estate, Bloemfontein, Free State Province South Africa. (78)
- 36 Dharmagunawardhane, H.A. Welagedara, A., Pitawala, A. and Mubarak, M.N.A., 2007. Deterioration of groundwater quality in tsunami affected coastal aquifers in Sri Lanka and complexities in Natural recovery. (Abstr.) Proceedings of the Annual Research Sessions, University of Peradeniya, Sri Lanka, Vol.12, II. 301p.
- 37 Dharmagunawardhane, H.A. and Edirisuriya, G., 2008. Status of the Productiveness of the Hard rock aquifers of Sri Lanka, as revealed from the yield of water supply boreholes: a case study from the Hard rock terrain of Sri Lanka. Macmillan Advanced research series, Macmillan India Limited, India pp10-19
- 38 Dharmagunawardhane, H.A. and Mapa, B.M.A.P. 2008. Subsurface water leakage

potential beneath Dam Foundations: Resistivity imaging experience from Sri Lanka, (Abstr.), Geological Society of Sri Lanka, Proceedings of the 24th annual sessions, Abstracts of presentations (9p)

- 39 Hasitha,L.H.D.D and Dharmagunawardane, H.A. 2008. Revealing Subsurface using Resistivity Imaging: Some findings at the Saddle dam site of Proposed Moragahakanda Reservoir. Proceedings of Peradeniya University Research sessions , Vol.13,II pp381-383.
- 40 Edirisuriya,G. and Dharmagunawardhane ,H.A. 2008. Evidence for Cycadales seeds of Jurassic age in Tabbowa Sri Lanka. Proceedings of Peradeniya University Research sessions , Vol.13,II pp384-386.
- 41 Adikaram, A.M.N.M. and Dharmagunawardhane ,H.A. 2008.Hydrogeology and Development potential of Marangala Wahawa Thermal Spring.: Preliminaray findings. Proceedings of Peradeniya University Research sessions , Vol.13,II pp387-389.
- 42 Jayasinghe, J.P., Dharmagunawardhane, H.A. and Pitawala ,A. 2008. Groundwater contamination in Coastal Aquifers due to agricultural Practices:Recent Experience from Kalpiya peninsula in the west Coast of Sri Lanka. Proceedings of Peradeniya University Research sessions , Vol.13,II pp390-391.
- 43 Welagedara,A.S., Pitawala,A. and Dharmagunawardhane H.A.2008. Soil and water quality deterioration dueto Cation Exchange Capacity of Tsunami affected soils.: Experience from the southern coast of Sri Lanka. Proceedings of Peradeniya University Research sessions , Vol.13,II pp392-393.
- 44 Dharmagunawardhane ,H.A.2009. Favorable rock types and most productive horizons of hard rock aquifersin Sri Lanka.(abstr) Proceedings of the Symposium on Effective Synergization of Water resources and landscape management. Postgraduate Institute of Science, University of Peradeniya, (75p)
- 45 Pathmakumara jayasinghe, Dharmagunawardhane, H.A. and Pitawala, A. 2009. Nutrient Pollution of Groundwater by Agricultural activities in Coastal Sandy Aquifers: Experience from Sri Lanka. Proceedings of the 1st Y.E.S world congress 2009, Earth Science frontiers, Special Issue Vol 16, China University of Geosciences(Beijing); Peking University. ISSN .1005-2321, (19p)
- 46 Edirisuriya,G. and Dharmagunawardhane ,H.A. 2009 . Some Bennettitaleans of Jurassic age from Tabbowa Sediments, Sri Lanka. Proceedings of Peradeniya University Research sessions , Vol.14,I pp222-223.
- 47 Jayasinghe, J.P., Dharmagunawardhane, H.A. and Pitawala ,A.2009. Geochemistry of Quatanery aquifers of Sri Lanka. Proceedings of Peradeniya University Research sessions , Vol.14,II pp353-355
- 48 Ileperuma,O.A. Dharmagunawardhane,H.A. and Herath,K.P.R.P. 2009. Dissolution

of Aluminium from sub-standard utensils under high fluoride stress: a possible risk factor for chronic renal failure in North central province. Journal of National science foundation of Sri Lanka , Vol37(3) pp219-222

- 49 Jayasinghe ,P. , Pitawala J . and Dharmagunawardhane H.A, 2010. Behavior of Nitrate in Sandy soil; Soil column Experiments. Proceedings of the Peradeniya University Research Sessions, Sri Lanka..Vol 15,I pp481-483
- 50 Edirisooriya G. and Dharmagunawardhane H.A., 2010. Comparision of some Jurassic Fossils from Australia and Sri Lanka. Proceedings of the Peradeniya University Research Sessions, Sri Lanka. Vol 15 ,I pp487-489
- 51 Pathmakumara Jayasingha, Pitawala, A and Dharmagunawardhane , H.A.,2011.Vulnerability of Coastal Aquifers Due to Nutrient Pollution from Agriculture: Kalpitiya, Sri Lanka. Journal of Water Air and Soil Pollution Vol. 219(1), 563-577
- 52 Dharmagunawardhane, H.A. 2013. Fluoride leaching capacity of some hard rock aquifer materiel in an area of endemic fluorosis, Sri Lanka. Journal of the Geological Society of Sri Lanka. Vol.14,pp21-28.
- 53 G. Edirisooriya G., and. Dharmagunawardhane,H.A., 2013. Jurassica zeylonensis et sp. nov. :Angiosperm's Ancestor from the Jurassic beds of Tabbowa, Sri Lanka. Species Journal – An International monthly series, Vol.2, Issue 6 pp14-17
- 54 Pathmakumara Jayasingha, Pitawala, A. and Dharmagunawardhana, H.A., 2013. Fate of Urea Fertilizers in Sandy Aquifers of Kalpitiya; A Laboratory Simulation, Journal of the National Science Foundation of Sri Lanka Vol. 41(2).pp121-129
- 55 Edirisinghe E. A. N. V., Pitawala H. M. T. G. A., Dharmagunawardhane H. A., Wijayawardane R. L. (2014) Effect of seasonal rainfall variations on groundwater recharge: A stable isotope study in the upper catchment of Kalaoya, Sri Lanka. Proceedings of the Post Graduate Institute of Science Research Congress, Sri Lanka , 10th to11th October 2014, p 28.
- 56 Edirisinghe E.A.N.V., Dharmagunawardhane H.A., Pitawala H.M.T.G.A., Tilakarathna I.A.N.D.P., Priyadarshane K.S.G.S., Gunasekara J.D.C. 2014 Origin of moisture for the rain processes on the west coast of Sri Lanka: a case study using stable isotope signatures of rain. *Symposium Proceedings*, Third International Symposium on Water Quality and Human Health: Challenges Ahead, 27 &28 June, PGIS, Peradeniya, Sri Lanka.
- 57 Udagedara, D. T., H. M. T. G. A. Pitawala, and H. A. Dharmagunawardhane (2014). "Use of Heavy Metals and Trace Elements in Groundwater as a Tool for Mineral Exploration: A Case Study from Udawalawe, Sri Lanka." *Asian Journal of Water, Environment and Pollution* 11.4 : 59-67.
- 58 Kumara, S.M.P.G.S. and Darmagunawardhane, H.A (2014). A Geostructural Model

for the Nelumwewa Thermal Spring: North Central Province, Sri Lanka. Journal of the Geological Society of Sri Lanka, Vol.16, pp19-28 .

- 59 B.M. Hallett, B.M., Dharmagunawardhane ,H.A., Atalc S.I Valsami-Jones. E, Ahmed ,S. and Burgess W.G., 2015. Mineralogical sources of groundwater fluoride in Archaen bedrock/regolith aquifers: Massbalances from southern India and north-central Sri Lanka. Journal of Hydrology: Regional Studies 4 (2015) 111–130
- 60 Thusitha Bandara Nimalsiri, Nuwan Buddhika Suriyaarachchi , Bruce Hobbs , Adele Manzella, Morrel Fonseka , H.A. Dharmagunawardena , Nalaka Deepal Subasinghe. (2015). Structure of a Low-enthalpy Geothermal system inferred from Magnetotellurics — A case study from Sri Lanka. Journal of Applied Geophysics 117, 104–110.
- 61 Rajasooriyar,L.D, Dharmagunawardhane,H.A., Senthilnathanan,M., Mikunthan ,T. and Pathmaja,S. (2016). Groundwater salinity risk in the Northern Coastal Islands in Jaffna, Sri Lanka: A case study in the Pungudutivu island to remedy the problem. Annual workshop on *Water and Society– Water management and Climate Change adaptation in Sri Lanka, Bangladesh and Cambodia*, Institute of Technology, Cambodia January 2016.
- 62 Edirisooriya, G., Dharmagunawardhane, H.A. and Stephen Mcloughlin (2016). The first record of the Permian *Glossopteris* flora from Sri Lanka: implications for hydrocarbon source rocks in the Mannar Basin Geol. Mag. Cambridge University press. doi:10.1017/S0016756816001114 pp1-14
- 63 Dharmagunawardhane, H.A., Malavi Arachchi, S.P.K. and Burgess, W. (2016). Fluoride content of Minerals in Gneissic rocks at an area of Endemic Dental Fluorosis in Sri Lanka: Estimates from combined Petrographic and Electron Microprobe Analysis. Ceylon Journal of Science, 45 (1),pp57-66
- 64 Kumara, S.M.P.G.S and Ddharmagunawardhane, H.A (2017). An appropriate deep reservoir temperature estimate for thermal spring systems in the crystalline terrain of Sri Lanka; A comparison of geothermometers. Journal of Geological Society of Sri Lanka vol. 18 pp, 45-53

PROJECT REPORTS.

Christensen,H. and Dharmagunawardhane, H.A., 1987. Groundwater data management – options regarding transfer of data from the Matale and Polonnaruwa project to Sri Lankan Authorities. Un published Project report, DANIDA assisted Rural Water supply and Sanitation Project of the Matale and Polonnaruwa District. 6p.

Dharmagunawardhane, H.A., 1987. Survey of 427 shallow wells in Matale district - Preliminary report Un published Project report, DANIDA assisted Rural Water supply and Sanitation Project of the Matale and Polonnaruwa District.7p.

Dharmagunawardhane, H.A., 1988. Well drilling and Hand pump installation in Matale District Un published Project report, DANIDA assisted Rural Water supply and Sanitation Project of the Matale and Polonnaruwa District , 59p.

Dharmagunawardhane, H.A., 1988. Implementation list of villages for construction of replacement / additional boreholes in Matale and Polonnaruwa districts (unpublished).17p.

Dharmagunawardhane, H.A., Perera,H.A.S.A. and Adikari, A.I.K., 1988. Hydrogeological investigations in Ampitiya and Tennekumbura area Un published Project report, DANIDA assisted Rural Water supply and Sanitation Project of the Matale and Polonnaruwa District.7p.

Dharmagunawardhane, H.A., 1985. Report on the occurrence of Fluoride encountered during the construction of the 1st 500 boreholes in Matale and Polonnaruwa districts Un published Project report, DANIDA assisted Rural Water supply and Sanitation Project of the Matale and Polonnaruwa District.11p.

Dharmagunawardhane, H.A., 1988. High chloride wells – investigations on tubewells in Polonnaruwa districts Un published Project report, DANIDA assisted Rural Water supply and Sanitation Project of the Matale and Polonnaruwa District.7p.

Dharmagunawardhane, H.A., 1989. Performance of the iron removal plant “The rocking filter system” Un published Project report, DANIDA assisted Rural Water supply and Sanitation Project of the Matale and Polonnaruwa District.6p.

Dharmagunawardhane, H.A., 1989. Performance of iron removal plants in the project area. A project report Un published Project report, DANIDA assisted Rural Water supply and Sanitation Project of the Matale and Polonnaruwa District. 7p.

Cooray,P.G. and Dharmagunawardhane, H.A.,1995. The Earth around Us. Course Notes for An Earth science Programme for Schools. Geological society of SriLanka Sri Lanka.

Dharmagunawardhane, H.A., (2001): Some Geological Aspects in the Area around Moragahakanda Dam Site. (Un-published),Reports commissioned from the University of Peradeniya, Appendix B, Final Report, Feasibility study of Moragahakanda Development Project. Ministry of Mahaweli Development , Mahaweli Authority of Sri Lanka.(9p).

Pitawala,. and Dharmagunawardhane, H.A.,(2001): Geological Mapping around Elahera – Moragahakanda Area. .(Un-published), Reports commissioned from the

University of Peradeniya, Appendix B, Final Report, Feasibility study of Moragahakanda Development Project. Ministry of Mahaweli Development , Mahaweli Authority of Sri Lanka.(9p).

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A handwritten signature in blue ink, consisting of a stylized 'D' followed by a series of loops and a long horizontal stroke.

SIGNATURE