



CURRICULUM VITAE

Atula SENARATNE

Professor of Geology/Senior Professor

B.Sc. (SL), M.Sc. (London), DIC, Ph.D. (FRG), AvH Res.Fell.(FRG), MIGSL

SUMMARY

Prof. Atula Senaratne holds a B.Sc. degree in Geology from the University of Peradeniya, Sri Lanka and a M.Sc. degree in Environmental Technology from the Imperial College of Science, Technology and Medicine, University of London. He obtained his Ph.D. Degree from the Johannes Gutenberg University of Mainz, Federal Republic of Germany.

He joined the academic staff of the Faculty of Science in 1980 and since then served the Faculty of Science of the University of Peradeniya and the University system in Sri Lanka at different capacities. He was the Head, Department of Geology from 1999 to 2004. He also served as the Director –Science Industry Interaction Cell, Faculty of Science and Chairman of the Board of Study in Earth Sciences of the PGIS. **He was responsible for two new mineral discoveries, Gold-Graphite (2019) in Seruwila and largest iron ore deposit in Sri Lanka, in 2001.** From Aug. 2012 to end of July 2015, he held the highest position of the University, the post of **Vice Chancellor**.

At the national level, he served as the **Chairman of the Water Resources Board** of Sri Lanka, **Director-Atomic Energy Authority** of Sri Lanka and as a member of the Presidential Task Force “Natural Hazards”. He was also the President of the Geological Society of Sri Lanka in 2001-2002. He has received many awards at national and international levels. He received **Alexander von Humboldt Foundation Research Fellowship /Germany in 1996/97**, D.A.A.D. (German Academic Exchange Service) Fellowship, Johannes Gutenberg University, Mainz, F.R.G. in 1984-1988, U.S.A.I.D. Fellowship, Water Resources Division, U.S. Geological Survey, Colorado, U.S.A., in 1983 and **The Third World Scholarship, Imperial College of Science and Technology, University of London** in 1981- 1982.

In 2014, he was decorated with the coveted **Ananda Coomaraswamy medal** of the Geological Society of Sri Lanka. At present he is the Chair Professor of Geology of the University of Peradeniya.

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DATE OF BIRTH

20/02/1957

EDUCATION

Secondary Education (1968-74)	Kd/Dharmaraja College (Grade 8-9) Mt/Govt. Science College(Grade 9-12)
Undergraduate Education (1975-79)	B. Sc. Special Degree in Geology, University of Peradeniya (1979) Title of Undergraduate Thesis: <i>Organic-geochemistry of Muthurajawela Peat Deposit</i>
Post Graduate Education I (1981-82)	Master of Science in Environmental Technology, (1982) Imperial College of Science, Technology and Medicine, University of London Title of the Thesis: <i>Geochemical Cycling of Thallium in the Environment</i>
Post Graduate Education II (1984-87)	Doctor of Philosophy (Ph.D.) Johannes Gutenberg University of Mainz, Federal Republic of Germany (1987) Title of the Dissertation: <i>Geomorphological and Geochemical Evolution of the Western Coast of Sri Lanka</i>

PROFESSIONAL EXPERIENCES

<i>Oct 2013- to date</i>	Senior Professor of Geology
<i>Oct 2012 – Sept. 2013</i>	Professor of Geology University of Peradeniya, Department of Geology
<i>Feb 2004– Sep 2012</i>	Associate Professor University of Peradeniya, Department of Geology

<i>1994-2004</i>	Senior Lecturer I University of Peradeniya, Department of Geology
<i>1988-1994</i>	Senior Lecturer II University of Peradeniya, Department of Geology
<i>1982-1987</i>	Lecturer University of Peradeniya, Department of Geology
<i>1980-1981</i>	Assistant Lecturer University of Peradeniya, Department of Geology
<i>Sep 1996 – Dec 1997</i>	Visiting Research Fellow Friedrich-Alexander Universität Erlangen-Nürnberg, Erlangen, Germany Research Project: Use of naturally occurring geological materials for water purification
<i>Sep 1984 – Dec 1987</i>	Ph.D. Student, DAAD Fellow Johannes Gutenberg-Universität Mainz, Institute for Geosciences Mainz, Germany

ADMINISTRATIVE EXPERIENCES

<i>Aug. 2012- Aug. 2015</i>	Vice-Chancellor, University of Peradeniya
<i>2004-2005</i>	Chairman, Water Resources Board, Sri Lanka
<i>1999-2001</i>	Director, Atomic Energy Authority

PROFESSIONAL TRAINING

1983	Hydrological Training for International Participants”, Water Resources Division, Denver, Colorado, USA, (20/06-25/08)
1994	Environmental Impact Assessment Methodology” , Natural Resources and Environmental Policy Project (NAREPP) of the Ministry of Environment and USAID, Sri Lanka (02-12/09)
1995	Intensive Training on use of Effective Micro-organisms in Agriculture and Environmental Applications”, Bangkok, Thailand (20/06-07)
1998	Short Course in Environmental Chemistry”, Conducted by The University of Maryland, USA and the Institute of Fundamental Studies, Kandy, Sri Lanka (29/05-06)

SKILLS & ACTIVITIES

Skills

Teaching

Exploration Geophysics, Mineral Exploration, Geological Mapping, Hydrogeology, Environmental Geology, Hydrogeochemistry
Petroleum Geology

Languages

English German and Sinhala

Scientific Memberships

Member - Institute of Geology, Sri Lanka
Founder Member – Geological Society of Sri Lanka
Member – Royal College of Science, Imperial College, London
Member – American Geophysical Union
American Water Resources Association
Sri Lanka Association of Advancement of Sciences
International Water Quality Association

AWARDS

Dec 2017

NRC merit Award for Scientific Publication-2015

Feb 2013

Award: Ananda Coomaraswamy Medal: Geological Society of Sri Lanka

Apr 1996

Alexander von Humboldt Foundation Fellowship, Germany

Apr 1984

German Academic Exchange Scholarship, Germany

Sep 1981

Third World Scholarship of the Imperial College of Science, Technology and Medicine, UK

NATIONAL SERVICES

<i>2018-19</i>	Team-Leader- Seruwila Gold Exploration Project
<i>2014</i>	Team Leader- SATREP-JAICA Solid Waste Management Project, University of Peradeniya
<i>2011</i>	Team Leader -Water Supply and Sanitation Study, Mannar –Pesalai Area-Sri Lanka Army/HADABIMA Authority
<i>2008/09</i>	Team Leader-Water Supply and Sanitation Study in Vaunia Region- Cheddikulam, Menik Farm IDP camps, WORLD VISION Sri Lanka
<i>2008</i>	Team Leader /Groundwater assessment in P DS Division in Ampara District Funded by CIDA/World Vision
<i>2008</i>	Team Leader/Research on value addition to low-grade garnet resources in Uva and

	Central Provinces
2008	Team Leader /Groundwater assessment in P DS Division in Ampara District Funded by CIDA/World Vision
2007	Team Leader /Groundwater assessment in Navithaveli DS Division in Ampara District Funded by CIDA/World Vision
2007	Team Leader /Research on value addition to low-grade magnetite deposits of Uva Province
2006	Team Leader /Discovery of Magnetic quartzite deposits in Uva Province
2006	Team Leader /Groundwater assessment in Wellawaya and Siyambalanduwa DS Divisions, Monaragala District Funded by Plan Sri Lanka
2005	Team Leader /Groundwater assessment in Wiachchiya and Polpithigama DS Divisions, Funded by Plan Sri Lanka
2005	Team Leader /Commencement of Island-wide mineral exploration through private sector funding
2004	Establishment of the Dry Zone Water Resources Research and Training Centre at Anuradhapura
2004	Chairman/Water Resources Board of Sri Lanka
2003	Team Leader/Geophysical Exploration for the proposed Moragahakanda Dam/MASL Project 2003
2003	Team Leader /Mineral Exploration in Matale District, Regional Economic Advancement Program (REAP), Matale, Sri Lanka
2003	Consultant Hydrogeologist/ Environmental Impact Assessment of the proposed Thermal Power Plant at Kalladi, Puttalam/ CEB Project
2003	Team Leader /Consultant Hydrogeologist/ Environmental Impact Assessment of the proposed 10,000 ha Cashew Plantation at Thanthirimale, NCP, Sri Lanka - Norway/Board of Investment (BOI) of Sri Lanka Project
2003	Team Leader /Seismic Exploration for the proposed Broadlands Power Tunnel, Ginigathhena / CECB Project 2003 Co- Leader/Joint Operations Combine/2003 Landslide Hazard Mitigation Movement / Ratnapura District, Sri Lanka
2002	Team Leader /Groundwater Exploration in the Hambanthota District CWSSP/NWS&DB NORAD Project
2002	Director/Atomic Energy Authority of Sri Lanka
2002	Team Leader /Environmental Impact Assessment report for the Greater Kandy Water Supply and Sanitation Project /Uplands Reservoir /NWS&DB Project
2001	Consultant Hydrogeologist, Kelegama Project/ HELP GREEN ,NCP
2000/01	Member/ Atomic Energy Authority of Sri Lanka
1996/97	Research Fellow/ Decontamination of Irrigation Water Using Natural Geological Materials. University of Erlangen, Germany/ Funded by the Alexander von Humboldt Foundation of Germany
1996	Chief Consultant/"Environmental Profile - Kandy District" /Nation Builders Association/ The Environmental Authority of Sri Lanka - funded by NORAD
1996	Chief Consultant/Groundwater Resources Assessment in the North Central Province of Sri Lanka. - International Irrigation Management Institute (IIMI)
1995	Consultant/U.N. project on Waste minimization in metal finishing industry

<i>1995</i>	Team Leader- Environmental Impact Assessment on Tanneries Relocation Project- Bataatha, Ambalanthota, a UNDP Project
<i>1994</i>	Member of the Presidential Task Force “Natural Hazards”
<i>1994</i>	Consultant /Environmental Impact Assessment report for the Greater Kandy Water Supply and Sanitation Project
<i>1992</i>	Team Leader/ Geophysical Investigations and Limestone resource assessment /The Cement Corporation of Sri Lanka - Holderbank Management Consultants Ltd/ Switzerland, Funded by the World Bank.
<i>1992</i>	Joint author/ Geo-Ecological Survey / Muthurajawela Master Plan With Prof. C.B.Dissanayake. - Board of Investment of Sri Lanka

REFERENCES

Prof. C.B.Dissanayake

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PUBLICATIONS IN REFEREED JOURNALS

1	2021	Chamindra L. Vithana , Prashani A.K. Ulapane , Rohana Chandrajith , Leigh A. Sullivan , Jochen Bundschuh d , Nadia Toppler , Nicholas J. Ward , Atula Senaratne (2021) Acid sulfate soils on the west coast of Sri Lanka: A review <i>Geoderma Regional</i> 25 e00378
2	2021	Sudeera Wickramarathna, Rohana Chandrajith, Atula Senaratne , Varun Paul, Padmanava Dash, Saumya Wickramasinghe and Patrick J. Biggs (2021) Bacterial influence on the formation of hematite: implications for Martian dormant life, <i>International Journal of Astrobiology</i> , 20 (4) 270 – 284.
3	2021	Nadeesha H. Koralegedera, W.L.A.C.I. Weedagama, B. Athurupana, N.W.B. Balasooriya R. Chandrajith, A. Senaratne (2021) Chemical, Mineralogical and Textural Characterization of Red Earth, <i>Journal of Geological Society of Sri Lanka Vol. 22-1 (2021)</i> , 1-10
4	2020	EKCW Kularathna, HMTGA Pitawala, A Senaratne , AS Ratnayake (2020) Play distribution and the hydrocarbon potential of the Mannar Basin, Sri Lanka, <i>Journal of Petroleum Exploration and Production Technology</i> , 10, 2225-2243.
5	2019	Rohana Chandrajith, Anushka Weerasingha, Kusala M Premaratne, Dhanushke Gamage, Anuruddha M Abeygunasekera, Michael M Joachimski, Atula Senaratne (2019) Mineralogical, compositional and isotope characterization of human kidney stones (urolithiasis) in a Sri Lankan population <i>Environmental geochemistry and health</i> , (41) 5, 1881-1894 Springer Netherlands
6	2019	EMMB Ekanayake, SSP Vithana, EMHEB Ekanayake, ARMAN Rathnayake, AMR Abeysekara, TSJ Oorloff, HMVR Herath, GMRI Godaliyadda, MPB Ekanayake, A Senaratne (2019) Mapping ilmenite deposit in Pulmudai, Sri Lanka using a hyperspectral imaging-based surface mineral mapping method <i>Journal of the National Science Foundation of Sri Lanka</i> , (47) 3 , 271-284, National Science Foundation of Sri Lanka
7	2017	EN Jayaweera, GRA Kumara, HMGTA Pitawala, RMG Rajapakse, Nanda Gunawardhana, HMN Bandara, A Senaratne , CSK Ranasinghe, Hsin-Hui Huang, M Yoshimura (2017) Vein graphite-based counter electrodes for dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> (344) 78-83
8	2015	EKCW Kularathna, HMTGA Pitawala, A Senaratne , BSMCK Senevirathne, DA Weerasinghe Forced-fold structures in the Mannar Basin, Sri Lanka: modes of occurrence, development mechanism and contribution for the petroleum system (2015) <i>Journal of Geological Society of Sri Lanka</i> , (17) 153-63
9	2015	SAKM Dhanasekara, ANB Attanayake, Ajith C Herath, N Nanayakkara, A Senaratne , SP Indrarathne, Rohan Weerasooriya (2015) Partial degradation of carbofuran by natural pyrite <i>Environmental nanotechnology, monitoring & management</i> (4) 51-57 Elsevier
10	2015	G Priyadarshana, N Kottegoda, A Senaratne , A De Alwis, V Karunaratne (2015) Synthesis of magnetite nanoparticles by top-down approach from a high purity ore <i>Journal of Nanomaterials</i> (28) 201-205.
11	2011	Atula Senaratne , Deepal Chandima (2011) Exploration of a potential geothermal resource at Wahawa Padiyatalwa area Sri Lanka <i>Proceedings, 36th Workshop on Geothermal Reservoir Engineering Stanford University</i>
12	1996	Rupasinghe, M. S. and Senaratne, A. (1996). Zoning in Sri Lankan zircons: chemically

		controlled? The Australian Gemmologist 19, 288-291.
13	1994	Pitawala, H. M. T. G. A., Senaratne, A. & Dahanayake, K. (1994). Sulfate- induced high acidity in a peatland: An example from Muthurajawela. Journal National Science Council, Sri Lanka 22, 339-349.
14	1993	Jinadasa, K. B. P. N., Dissanayake, C. B., Weerasooriya, S. V. R. and Senaratne, A. (1993). Adsorption of fluoride on goethite surfaces-implications on dental epidemiology. Environmental Geology 21, 251-255.
15	1991	Senaratne, A. and Dissanayake, C. B. (1991). Palaeo-environmental significance of some major and trace elements in tropical back barrier peat deposit, Sri Lanka. Journal of the Geological Society of Sri Lanka 2.
16	1990	Senaratne, A. , Tobschall, H. J. and Dissanayake, C. B. (1990). Diagenesis of sulphur in a peat forming environment: a case study from Sri Lanka. <i>Fuel</i> 69 , 327-333.
17	1989	Senaratne, A. and Dissanayake, C. B. (1989). The geochemistry of mercury in some coastal sediments from Sri Lanka. <i>Chemical Geology</i> 75 , 183-190.
18	1988	Senaratne, A. and Dissanayake, C. B. (1988). A chemical origin for the basal ferruginous gravels of northwest Sri Lanka: implications for iron ore genesis. <i>Chemie der Erde - Geochemistry</i> 48 , 79-86.
19	1987	Senaratne, A. , Rupasinghe, M. S. and Dissanayake, C. B. (1987). Rare earth elements in some residual, alluvial and inter-tidal sediments of Sri Lanka. <i>Chemie der Erde - Geochemistry</i> 47 , 31-40.
20	1986	Rupasinghe, M. S. and Senaratne, A. (1986). A treatment procedure for improving colour and quality of zircons. <i>Journal of Gemmology</i> 20 , 168-170.
21	1986	Rupasinghe, M. S., Senaratne, A. and Dissanayake, C. B. (1986). Light, heavy and rare minerals in the washed gem gravels of Sri Lanka. <i>Journal of Gemmology</i> 20 , 177-184.
22	1985	Dissanayake, C. B., Senaratne, A. and Weerasooriya, S. V. R. (1985). An interdisciplinary approach towards the study of some human health problems in Sri Lanka. <i>Geographia Medica</i> 15 , 183-184.
23	1985	Dissanayake, C. B., Weerasooriya, S. V. R., Senaratne, A. and Rupasinghe, M. S. (1985). Heavy metal pollution of the Kelani river in Sri Lanka. <i>Aqua London</i> , 79-88.
24	1984	Dissanayake, C. B., Senaratne, A. and Weerasooriya, S. V. R. (1984). Environmental significance of trace elements in human hair - A case study from Sri Lanka. <i>International Journal of Environmental Studies</i> 23 , 41-48.

25	1984	Dissanayake, C. B., Weerasooriya, S. V. R. and Senaratne, A. (1984). Distribution of nitrates in the potable waters of Sri Lanka. <i>Aqua</i> (Oxford), 43-50.
26	1983	Weerasooriya, S. V. R., Senaratne, A. and Dissanayake, C. B. (1983). Environmental impact of polluted city canals - a case study from Colombo, Sri Lanka. <i>Environment International</i> 9, 401-407.
27	1982	Dissanayake, C. B. and Senaratne, A. (1982). Geochemical environments and the geographical distribution of some diseases in Sri Lanka. <i>Water, Air, and Soil Pollution</i> 17, 17-28.
28	1982	Dissanayake, C. B., Senaratne, A. and Weerasooriya, S. V. R. (1982). Geochemistry of well water and cardiovascular diseases in Sri Lanka. <i>International Journal of Environmental Studies</i> 19, 195-203.
29	1982	Dissanayake, C. B., Senaratne, A. , Weerasooriya, S. V. R. and De Silva, S. H. G. (1982). The environmental pollution of Kandy Lake: A case study from Sri Lanka. <i>Environment International</i> 7, 343-351.
30	1982	Weerasooriya, S. V. R., Senaratne, A. and Dissanayake, C. B. (1982). The environmental impact of nitrate distributions in the lake- effluent canal system in Kandy, Sri Lanka. <i>Journal of Environmental Management</i> 15, 239-250.
31	1982	Senaratne, A. and Dissanayake, C. B. (1982). Palaeogeographic reconstruction of the Jaffna Peninsula, Sri Lanka. <i>Journal, Geological Society of India</i> 23, 545-550.
32	1982	Dissanayake, C. B., Senaratne, A. & Gunatilaka, A. A. L. (1982). Organic geochemical studies of the Muthurajawela peat deposit of Sri Lanka. <i>Organic Geochemistry</i> 4, 19-26.

PATENTS

1. V Karunaratne, G Priyadharshana, S Gunasekara, N Kottegoda, **A.Senaratne**: *Process for preparation of nanoparticles from magnetite ore , Process for preparation of nanoparticles from magnetite ore*. US Patent App. 13/176,515; 2011
2. **Atula Senaratne**: *Sri Lanka Patent No. 14825: Grain on Grain Collision- A dry process for de-salting dredged sea sand-* 2008. Ref. No: SL Patent: 14825, Year: 2008
3. **Atula Senaratne**: *Sri Lanka Patent No. 14432: Air purifier-mounted on automobiles*. Ref. No: SL Patent: 14432, Year: 2007
4. **Atula Senaratne**: *Sri Lanka Patent No. 13299: Sand made from Quartzite rock*. Year: 2004

CONFERENCE PROCEEDINGS

1. E.K.C.W.Kularatne, H.M.T, G.A.Pitawala, **Atula Senaratne**, Damsith Weerasinghe: *Gondwana breakup and development of sedimentary basins in Sri Lanka*. 31st Tech. Sessions GSSL; 2015.
2. **Atula Senaratne**, R.B.D.L.Bandara: *Estimating optimum beach angle for heavy mineral deposition along Sri Lankan beaches*. 31st Tech.Sessions GSSL, Peradeniya; 2015.
3. **Atula Senaratne**: *Is the Mohorovicic seismic discontinuity the bed of earthquakes?*. 31st Tech.Sessions GSSL, Peradeniya; 2015.
4. K.C.W.Kularatne, H.M.T.G.A.Pitawala, **Atula Senaratne**: *A preliminary study on pre-flood volcanic hydrocarbon prospectivity in the Mannar Basin, Sri Lanka*. 31st Tech. Sessions GSSL; 2015.
5. R M I U Rathnayake, **A Senaratne**: *Characterization and prospects for harvesting of heavy mineral beach sands in the coastal belt of Sri Lanka*. iPURSE, Peradeniya; 2014.
6. R Chandrajith, **A Senaratne**, P G L Gunatilake: *Aralaganwila stony material: fused soil or extraterrestrial?*. iPURSE; 2014.
7. J.Wijesekara, **A.Senaratne**, A.Gunathilake: *Land gain in Nothern Sri Lanka*. Proceed. AutoCarto 2012-Columbus, Ohio, USA, 16-18, Colombus, Ohio; 2012.

8. **Atula Senaratne**, Deepal Chandima, T.B.K.Basnayake: *Decoding the link between planetary configurations and earthquakes*. 27th Ann. Sessions GSSL, Peradeniya; 2011.
9. **Atula Senaratne**, Deepal Chandima, Uthpala Abeypala, Gayani Perera, Niluka Jayamali: *Remote sensing and GIS approach for sustainable development of hydro-power in Sri Lanka*. 25th Ann.Sessions GSSL, Peradeniya; 2009.
10. Sanjeewa Mahendra, **Atula Senaratne**: *Temperature dependence of heavy metal leachability in textile waste*. 25th Ann.Sessions GSSL, Peradeniya; 2009.
11. **Atula Senaratne**, K.M.D.L.T.Pieris: *Evolution of some coastal land features of Jaffna peninsula*. 25th Ann.Sessions GSSL, Peradeniya; 2009.
12. Deepal Chandima, **Atula Senaratne**, Sanjeewa Mahendra: *Exploration for low-grade iron ore in Bibile-Moneragala area..* 25th Ann.Sessions GSSL, Peradeniya; 2009.
13. **Atula Senaratne**, B.G.A.S.Premalal, G.D.D.S.Gamage: *Grain on Grain Collision- A process for desalting dredged sea sand*. 24th Ann. Sessions GSSL, Colombo; 2008.
14. Takayuki Tomiyama, L R K Perera, **A Senaratne**: *Petrology of the 16 chondrite that fell on Kalugalatenna estate, Sri Lanka*. Proceedings of the 20th Annual Sessions of the Geological Society of Sri Lanka; 2004.
15. **Atula Senaratne**, G.A.T.Prashantha, U.B.Amarasinghe, D.Priyalal Dias: *Restriction created by deep pile foundations in Colombo metropolitan area for future subsurface development*. 20th Ann. Sessions GSSL, Colombo; 2004.
16. **Atula Senaratne**, R.M.W.Ratnayake, K.A.Nandasena: *De-eutrophication by Phosphate fixation- A case study from Beira Lake, Sri Lanka*. 19th Ann.Session GSSL, Peradeniya; 2003.
17. **A.Senaratne**, I.Werellagama, S.P.Indrasena: *Electrolytic treatment of oil based effluent*. Pro.Ann. Research Sessions, Univ. Peradeniya, Peradeniya; 2003.
18. **A.Senaratne**: *Groundwater Exploration-personal experience*. Symposium of Agr. Eng.Assn. Sri Lanka 2002, Peradeniya, Sri Lanka; 2002.
19. C.N.B.Wijeratne, A.Pitawala, **A.Senaratne**: *Environmental problems and natural hazards in Matale urban area*. Ann.Res.Sessions, Univ.Peradeniya; 2002.
20. **A.Senaratne**, H.A.Dharmagunawardena, G.W.A.R.Fernando: *Discovery of a new primary magnetite deposit in Wellawaya, Sri Lanka*. Proceedings of the Annual Research Sessions, University of Peradeniya. Sri Lanka.(PURSE 2001); 2001.
21. J.P.Jayasinghe, **A.Senaratne**: *Geochemistry of waste effluent from Vehicle service stations*. Ann. Res. Sessions, Univ. Peradeniya, Peradeniya; 2001.

22. H.M.L.Indrathilake, **A.Senaratne**: *Use of VLF-EM as a tool in groundwater exploration*. 17th Ann. Sessions GSSL, Colombo; 2001.
23. **A.Senaratne**, N.Abeysinghe: *Decontamination of oil-clay suspended waste effluent*. Ann. Res. Sessions, Univ.Peradeniya; 2000.
24. **A.Senaratne**: *Fixation and mobilization of Fluorine in two neighboring Geochemical Provinces in Sri Lanka*. Ann. V.M.Goldschmidt Conference, Tucson, Arizona; 1997.
25. **A.Senaratne**: *Genesis of Muthurajawela Peat-Some geochemical observations*. GEOSAS II, Colombo, Sri Lanka; 1995.
26. S.V.R.Weerasooriya, **A.Senaratne**, K.W.V.Priyadarshanee, C.B.Dissanayake: *Mechanistic determination of occurrence of iron rich water*. 6th Ann. Sci. Conference; 1994.
27. H.M.T.G.A.Pitawala, **A.Senaratne**: *Burial of poorly soluble Eppawala phosphate in Muthurajawela peat: The variation in chemistry and solubility*. Proc. Symposium on Eppawala Phosphate, Peradeniya, Sri Lanka; 1994.
28. H.M.T.G.A.Pitawala, **A.Senaratne**, K.Dahanayake: *Enhanced dissolution of Eppawala Apatite in acid mediated laboratory system*. 6th Ann.Sci.Conf., Inst.Fundamental Studies, Sri Lanka, Kandy,Sri Lanka; 1994.
29. J.P.Padmasiri, M.A.S.L.Attanayake, H.Abesirigunawardena, **A.Senaratne**: *Removal of Iron and Manganese from groundwater to acceptable drinking water standards using Laterite and Sand*. 9th Ann.Sessions Inst.Chem. Sri Lanka; 1992.
30. M.L.D.Perera, **A.Senaratne**, K.dahanayake: *Laboratory simulation to produce SO₄ solution from pyrite in Muthurajawela peat*. 48th Ann.Sessions SLAAS, Colombo; 1992.
31. **A.Senaratne**, C.B.Dissanayake: *Geochemistry of Cyanobacterial mat associated intertidal sediments from Mannar lagoon, Sri Lanka*. 46th Ann.Sessions SLAAS; 1990.
32. **A.Senaratne**, C.B.Dissanayake: *Evolution of the Muthurajawela swamp- A Geochemical Study*. 46th Ann.Sessions SLAAS, Colombo; 1990.
33. K.Dahanayake, **A.Senaratne**, S.M.N.D.Subasinghe: *A potential low cost method to beneficiate Eppawala phosphate using naturally occurring sulfuric acid rich water of the Muthurajawela peat deposit*. 46th Ann.Sessions SLAAS, Colombo; 1990.
34. **A.Senaratne**, C.B.Dissanayake: *Environmental evolution of the Muthurajawela swamp and interpretation of its chemical profiles*. 5th Ann.Sessions GSSL, Peradeniya; 1989.
35. **A.Senaratne**, C.B.Dissanayake: *Iron and Manganese oxides as scavengers of trace metals in sedimentary environments*. 5th Ann.Sessions GSSL, Peradeniya; 1989.

36. C.B.Dissanayake, S.V.R.Weerasooriya, **A.Senaratne**, N.Wickramaratne: *Preliminary studies on acid rain in Sri Lanka*. 39th Ann.Sessions SLAAS, Colombo; 1983.
37. C.B.Dissanayake, S.V.R.Weerasooriya, **A.Senaratne**: *A comparative study of some aspects of environmental geochemistry of some lakes in Sri Lanka*. 39th Ann.Sessions SLAAS, Colombo; 1983.
38. **A.Senaratne**, S.V.R.Weerasooriya, C.B.Dissanayake: *Trace elements in human hair and their environmental significance. A case study from the Kandy District*. 12th Ann.Sessions, Inst.Chem., Colombo; 1983.
39. C.B.Dissanayake, **A.Senaratne**, S.V.R.Weerasooriya, G.P.Wannigama: *Use of geochemical maps in environmental monitoring. A case study with nitrate,nitrite and ammonium ion*. 38th Ann.Sessions, SLAAS, Colombo; 1982.
40. C.B.Dissanayake, **A.Senaratne**: *Use of geochemical data banks for agriculture in Sri Lanka*. LANDPLAN 1, A 5.1-5.16, Bangkok,Thailand; 1982.
41. C.B.Dissanayake, **A.Senaratne**, S.V.R.Weerasooriya, G.P.Wannigama: *Preliminary hydrogeochemical studies on the Muthurajawela peat deposit*. 38th Ann.Sessions SLAAS; 1982.
42. C.B.Dissanayake, **A.Senaratne**, S.V.R.Weerasooriya, G.P.Wannigama: *Preliminary studies on tap water chemistry in Kandy region, Sri Lanka..* 38th Ann.Sessions SLAAS, Colombo; 1982.
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44. C.B.Dissanayake, **A.Senaratne**, S.V.R.Weerasooriya: *Geochemical Data Banks for Sri Lanka-The basis for a future agricultural strategy*. 37th Ann.Sessions SLAAS, Colombo, Sri Lanka; 1981.
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