

Pradeep Nalaka Ranasinghe

Curriculum vitae

Publications

NATIONALITY: Sri Lankan
DATE OF BIRTH: 20/12/1969
ADDRESS: (Home) No 542/1, Ratnapura road, Horana. Sri Lanka
ADDRESS: (Work) Kent State University Department of Geology, 221 McGilvrey Hall Lincoln and Summit Streets , Kent, OH 44242
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ACADEMIC RECORD

KENT STATE UNIVERSITY, OHIO, USA (2006 -)
Reading for the PhD degree in Geology

UNIVERSITY OF PERADENIYA, SRI LANKA (1997-2001)

M.Phil (Geochemistry) - Stream sediment geochemistry of three river basins of Sri Lanka with special emphasis on geochemical ratios and gem potential (Supervisor: Prof. C.B. Dissanayake)

UNIVERSITY OF KELANIYA (1996-1997)

Post graduate Diploma in Archaeology (Merit).

UNIVERSITY OF PERADENIYA, SRI LANKA (1991-1995)

General Science Qualifying Examination – Geology, Chemistry, Physics
B.Sc Special Degree in Geology-Second Class (Lower division)

RESEARCH & PROFESSIONAL EXPERIENCE

Geological Survey & Mines Bureau, Sri Lanka: Geologist 1999- up to date
(Geological mapping, Mineral exploration, Environmental Geochemical Surveys, Remote Sensing and GIS)

DEOCOM Project, National Aquatic Resources Agency , Marine Geologist, 2004 - 2006 (on secondment), Delimitation of Outer Edge of the Continental Margin of Sri Lanka

University of Peradeniya – Co investigator 1998-2000
(Investigation of soil geochemical aspects of forest die-back areas in montane forests of Sri Lanka)

Sabaragamuwa University – Research Assistant 1997-1999
(Conducting research to identify gem potential of river basins using geochemical methods.

Institute of Fundamental Studies Sri Lanka – Research Student Fellow 1996-1997
(Conducting research on developing scientific methods in gem exploration)

TEACHING EXPERIENCE

Kent State University, Department of Geology: Teaching assistant (2006 -)

University of Peradeniya: Assistant Lecturer – Department of Geology (1995)

Sabaragamuwa University: Visiting Lecturer 1997- 2001 (Environmental Science)

University of Moratuwa: Lecturer 1999- Department of Earth Resources Engineering
(Certificate course in Geology)

ACADEMIC DISTINCTIONS

P.G. Cooray Medal for Best Young Geoscientist 2001
(Awarded by the Geological Society of Sri Lanka)

Best Presenter Award – 15th Annual Sessions of the Geological Society of Sri Lanka

Environmental Award – General Category 1997
(Awarded by the Sri Lanka Association for the Advancement of Science)

OTHER ACADEMIC ACTIVITIES

International Association of Geochemistry and Cosmo chemistry – Member

Geological Society of Sri Lanka. - Member

Sri Lanka Association for the Advancement of Science – Committee Member

Young Zoologists' Association of Sri Lanka - President 1997

Young Scientists Forum, National Science & Technology Commission of Sri Lanka –
Member

REFEREES

Prof. Andrew Moore (Assistant Professor, Department of Geology, Kent State
University, Kent , OH 44242, USA, Tel 330-672-9465 Email amoore5@kent.edu)

Prof. C.B. Dissanayake (Senior Professor, Department of Geology, University of
Peradeniya Peradeniya Sri Lanka. Tel. 0094 812 389150 Fax 0094 812 388018)

Dr. N.P. Wijayananda (Project Director, DEOCOM Project, NARA, Crow Island
Mattakkuliya Colombo 15, Sri Lanka Tel 0094 112 529575)

PEER-REVIEWED JOURNAL ARTICLES

Ranasinghe, P.N., Chandrajith, R.L.R., Dissanayake, C.B., Rupasinghe, M.S., (2002), Importance of Grain Size Factor in Distribution of Trace Elements in Stream Sediments of Tropical High Grade Terrains : A Case Study from Sri Lanka, *Chemie der Erde*, 62, pp 243-253

Ranasinghe, P.N., Dissanayake, C.B., Rupasinghe, M.S., (2005) Application of Geochemical Ratios for Delineating Gem Bearing Areas in High Grade Metamorphic Terrains, *Applied Geochemistry*, vol20, Issue, pp 1489-1495

Ranasinghe, P.N., Jagath, A.S (2001) A Rare Titanium Rich Dumortierite from Sri Lanka. *Journal of the Geological Society of Sri Lanka*

Ranasinghe, P.N., Dissanayake, C.B Samarasinghe D.V.N., Galappatti., R., (In Press) The Relationship between Soil Geochemistry and Die back of Montane Forests in Sri Lanka. – A Case Study, *Environmental Geology*

Ranasinghe, P.N, Siriwardana, Y.P.S, Wanasinghe, V.R (Accepted) Heavy metal pollution in drainage network of Colombo city and suburbs of Sri Lanka, *Geological Society of Sri Lanka*

BOOKS & OTHER SCIENTIFIC PUBLICATIONS

Ranasinghe, P.N., 2002, Geotourist map of Sri Lanka, Geological Survey & Mines Bureau Sri Lanka

Ajith Prema, M.M.J.P, Ranasinghe, P.N., Siriwardhana, C.H.E.R., Jayakody, A.S., 2001, Monaragala – Panama, 100,000 Geology map, Geological Survey & Mines Bureau Sri Lanka.

Ranasinghe, P.N, Illeperuma, D., 2001, Flora of Dombagaskanda, Young Zoologists' Association of Sri Lanka., pp. 61

Ranasinghe, P.N, Ratnayake, A, 1992, Flora & Fauna of Dombagaskanda Forest Reserve, Young Zoologists' Association of Sri Lanka. pp 33

CONFERENCE PAPERS

Ranasinghe, P.N., Ajith Prema, M.M.J.P (2005), Relationship between Coastal Bathymetry, Coastal Morphology and Tsunami damage in Sri Lanka – A case study Annual Convention, Sri Lanka Foundation Institute, Colombo Sri Lanka.

Ranasinghe, P.N., Dissanayake, C.B., (2003), A relationship between soil toxicity and forest die back of montane forests in Sri Lanka, 6th International Symposium on Environmental Geochemistry, Edinburgh, Scotland

Ranasinghe, P.N., Dissanayake, C.B., (2003) Elevated Lead levels: A possible factor behind the forest die back of Montane Forests in Sri Lanka, XII th International Conference on Heavy Metals in the Environment. Grenoble France.

P. N. Ranasinghe, R.L.R Chandrajith, C.B. Dissanayake, M.S.Rupasinghe, (2002)

Importance of Stream Sediment Grain Size Factor in Mineral Exploration of Tropical High Grade Terrains : A Case Study From Sri Lanka, Abstract Volume South Asian Geological Congress IV, New Delhi - India.

Ranasinghe,P.N., Jagath, A.S., (2001), A Titanium rich boro silicate (Dumortierite) from Sri Lanka, Abstract volume, Sixteenth Annual Sessions, Geological Society of Sri Lanka.

Ranasinghe P.N., Dissanayake, C.B., Nawaratne, S.W., (2001) Impact of Geochemical Parameters and Physical Properties of Soils on Forest Die back of Upper Montane Forests of Sri Lanka, 3rd International Symposium on Engineering Geology & Environment, Yogyakarta, Indonesia

Ranasinghe P.N., C.B. Dissanayake, M.S. Rupasinghe, R.L.R., Chandrajith (2000), Comparison of Transition Metals and Radioactive Element Mineralization in Three River Basins of Sri Lanka. Proceedings of the Annual Sessions –56, Sri Lanka Association for the Advancement of Science.

Hewawasam, A.L.T., Ranasinghe, P.N., & Rupasinghe M.S., (1999) Preliminary Field Investigation of the Limestone cave at Waulapane, Embilipitiya Sri Lanka, Abstract volume, Fifteenth Annual Sessions, Geological Society of Sri Lanka

Ranasinghe, P.N., Ruapasinghe, M.S., (1998), Soil Erosion Sedimentation , and Soil Conservation of Upper Mahaweli Catchment of Sri Lanka – A Review, Abstract volume, International Conference on Disaster Management- India

Ranasinghe, P.N, Nawaratne, S.W, Wijeratne, G.N, (1996), Geology & Mineralization in Ramboda area, Abstract volume, Twelfth Annual Sessions, Geological Society of Sri Lanka.

UNPUBLISHED MANUSCRIPTS

Ranasinghe, P.N., (2001), Stream sediment geochemistry of three river basins of Sri Lanka with special emphasis on geochemical ratios and gem potential, M.Phil. thesis, University of Peradeniya.

Ranasinghe, P.N., Dissanayake, C.B., (1999) Soil nutrients and micro elements - Forest Dieback In Horton Plains National Park, Project Terminal Report, Global Environmental Facility Project.

Ranasinghe, P.N,(1995), Mineral Resources of Ramboda Area, Unpublished BScThesis, University of Peradeniya.