



Department of Geology
Faculty of Science / University of Peradeniya



Prof. H.M.T.G.A. Pitawala

B.Sc., M.Phil. (Perad.), Ph.D. (Mainz, Germany)

Professor in Geology

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About Me

I am a geochemist and petrologist with over 18 years teaching experience. I have taught geochemistry, petrological applications, industrial minerals and exploration geochemistry, biogeochemical cycles, oceanography and stable isotopes over the years. I have particular expertise in elemental and stable isotope analysis of rocks and minerals, but also waters, soils and other environmental matrices. I started my research carrier in 1995 at Max Planck Institute, Germany. Up to now, I have trained 8 PhD students and 9 MPhil students. Currently I am co-supervisor of 7 PhD students and 9 MPhil students who are now at the final stage of their studies. I obtained 15 research grants and am working as a collaborative researcher with many international research institutes. I have published more than 70 journal articles, over 150 abstracts and one book.

Higher Education Qualifications

🎓 **PhD**

Johannes Gutenberg University of
Mainz - Germany
(1999)

🎓 **MPhil**

University of Peradeniya - Sri Lanka
(1995)

🎓 **BSc**

University of Peradeniya - Sri Lanka
(1992)

Awards, Scholarships, Memberships & Fellowships



Member, Sri Lanka Association for the Advancement of Science



Member, Geological Society of Sri Lanka



Presidential awards -2012, 2011, 2010, 2015



NRC Merit award – 2010, 2015



Cooray Middle from Geological Society of Sri Lanka

Positions Held



Chairman, Board of Study Earth Sciences, Postgraduate Institute of Science University of Peradeniya



President, Geological Society of Sri Lanka- (2014)



Council Member, Institute of Geology, Sri Lanka- (2014 to today)



Head, Department of Geology, University of Peradeniya- (from July 2010 – July 2013)



Council Member, International Geoscience Education Organization

My Teachings



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Research Interests (Research Fields/ Projects)

Stable isotope of carbonate rocks and water; groundwater contamination caused by agricultural and urban activities; origin and evolution of carbonatite, pegmatite and hydrothermal deposits; mineral deposits, geochemistry, value addition to industrial minerals

Ongoing Research and Projects



Synthesis and commercialization of value added products from Sri Lankan (a) marble (b) laterites, (c) vein graphite and (d) vein quartz



Geochemical and sedimentological characterization of lagoon sediments of Sri Lanka

Implications for sediment provenance, paleo climatic changes and Holocene tectonics



Weathering processes of carbonatites



Groundwater vulnerability and risk mapping for coastal aquifers of Sri Lanka

Key Publications



Mineralogy and Petrology - (2012)

Petrogenesis of the Eppawala carbonatites, Sri Lanka: A cathodoluminescence and electron microprobe study



Journal of Geochemical Exploration - (2015)

Hydrothermal mica deposits in altered meta-ultrabasites from north-central Sri Lanka

Conferences



Nothing to show under this subheading !!!

My Publications

Please goto the website.

<https://sci.pdn.ac.lk/geology/staff/HMTGA-Pitawala>