



Department of Geology Faculty of Science / University of Peradeniya



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

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Professor in Geology

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About Me

I am a geochemist and petrologist with over 24 years of teaching and research experience, specializing in geochemistry, petrology, biogeochemical cycles, and industrial minerals. My research spans a wide range of areas, including stable isotope analysis, groundwater contamination, and the petrogenesis of carbonate rocks. I have supervised numerous PhD and MPhil students and have collaborated extensively with both local and international research institutions. My academic contributions include over 110 journal articles and more than 250 conference abstracts.

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



Director, Postgraduate Institute of Science- (2017 to Today)

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



Journal of Geochemical Exploration - (2015)

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



Mineralogy and Petrology - (2012)

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

Conferences



Nothing to show under this subheading !!!

My Publications

Please goto the website.

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