Department of Geology

Faculty of Science / University of Peradeniya



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

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Senior Professor

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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	MPhil	BSc
Johannes Gutenberg University of Mainz - Germany (1999)	University of Peradeniya - Sri Lanka (1995)	University of Peradeniya - Sri Lanka (1992)

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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

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Positions Held

- Chairman, Board of Study Earth Sceicnes, Postgraduate Institute of Science University of Peradeniya
- President, Geological Soceity of Sri Lanka- (2014)
- Council Memebr, Institute of Geology, Sri Lanka- (2014 to todate)
- 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 Todate)

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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**

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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

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