



## Department of Geology Faculty of Science / University of Peradeniya



### Prof. Sanjeewa P.K. Malaviarachchi

*B.Sc. (Perad.), M.Sc. (Shimane, Japan), Ph.D. (Okayama, Japan)*

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### About Me

I graduated from the Dept. of Geology, Faculty of Science, University of Peradeniya, Sri Lanka in 2001 having followed the BSc (Special) in Geology. Upon graduation, I was appointed as a Temporary Demonstrator in the Department of Geology, University of Peradeniya from May, 2001 to June 2002. During that time, I started my Postgraduate Diploma in Oceanography at the Postgraduate Institute of Science, University of Peradeniya and completed it in 2002. Subsequently, I entered the Shimane University, Japan for MSc in Metamorphic Petrology (2003-2005) under Japanese Government Scholarship. For the PhD, I entered the Okayama University, Japan (2005-2008) and obtained the doctorate in Petrology and Isotope Geochemistry. After award of my PhD, I continued my research career in the Okayama University, Japan as a Post Doctoral Researcher (2008-2009), and was awarded the Australian Research Council (ARC) Fellowship to carry out further research in the Australian National University, Canberra (2009-2010). Afterwards, I decided to serve my country and joined the Department of Geology, University of Peradeniya, in January, 2011 as a Senior Lecturer. In 2017, I was awarded a fellowship for collaborative research as an Assistant Professor in the Dept. of Geology, Faculty of Science, Niigata University, Japan. Since 2017, I have been promoted to the position of Professor in Geology.

### Higher Education Qualifications



**PhD**

Okayama University -  
Japan  
(2008)



**MSc**

Shimane University - Japan  
(2005)



**BSc**

University of Peradeniya -  
Sri Lanka  
(2001)



**PG. Dip.**

University of Peradeniya -  
Sri Lanka  
(2002)

## Awards, Scholarships, Memberships & Fellowships



Member of the American Geophysical Union - AGU



Member of the Geochemical Society (International)



Life Member of the Geological Society of Sri Lanka



Full Member of Institute of Geologists, Sri Lanka (IGSL)



Medal winner as one of the 'Best 100 Scientist -2010' awarded by the International Biographical Centre, Cambridge, UK



Post Doctoral Research grant of the ANU, Australia (ARC 2010)



Post Doctoral Research grant by the Japan Society for the promotion of Science (2009)



Goldschmidt Conference Student Travel Grant from the Geochemical Society for outstanding student researches (2007)



Student excellence Award from the Okayama University (2007, 2008)



21st century Centre of Excellence (COE) student scholarship for Ph.D (2005-2008)



Monbukagakusho (MEXT)- Japanese government Scholarship, Ministry of Education, Science and Sports, Japan (2003-2005)



Merit certificate for General English Proficiency, University Grants Commission, Sri Lanka (1997)



Certificates of English for Communication - Level 1,2 & 3,University of Warwick,UK(1990)

## Positions Held

-  Professor in Geology, Department of Geology, Faculty of Science, University of Peradeniya- (2017 to Present)
-  Senior Lecturer, Dept. of Geology, Univ. of Peradeniya- (January, 2011 to July, 2017)
-  Visiting Assistant Professor, Department of Geology, Faculty of Science, Niigata University, Japan- (2017-2018)
-  Senior Student Counsellor, Faculty of Science - (2013-2017)
-  Co-Editor - Geological Society of Sri Lanka- (2016-2018)
-  Secretary - Geological Society of Sri Lanka- (2013-2015)
-  Editorial Board Member, Research Magazine, University of Peradeniya- (2015-2018)
-  President, University of Peradeniya Science Teachers Association- (2016/17)
-  Member of Board of Directors, Gem & Jewellery Research & Training Institute- (2016-2017)
-  Steering Committee Member, International Association for Gondwana Research (IAGR)- (2014 to Present)
-  Post Doctoral Fellow, Australian National University, Canberra, Australia- (2009-2010)
-  Post Doctoral Researcher, Okayama University, Japan - (2009-2010)
-  PhD candidate and Research Assistant, Okayama University, Japan- (2005-2008)
-  MSc. student at Shimane University, Japan - (2003-2005)
-  Visiting Demonstrator, PGIS, University of Peradeniya- (2002-2003)
-  Demonstrator, Department of Geology, University of Peradeniya- (2001-2002)

## My Teachings

-  GL201: Optical Mineralogy
-  GL205: Introductory Petrology
-  GL404: Isotope Geology
-  GL409: Advanced Metamorphic Geology







## Research Interests (Research Fields/ Projects)

Petro-geochemical studies of metamorphic and igneous rocks.

Petrological, mineral-chemical, and temporal evolution of high grade metamorphic rocks.  
Trace element and radiogenic isotopic characteristics of the Earth's mantle and the crust.  
Geochemical evolution of the early Earth and other planetary bodies.

Study of platinum group elements and Au in rocks.

## Ongoing Research and Projects

-  **High-temperature lower crust of East Central Gondwana: Emphases to southern Indian and Sri Lankan Geology**
-  **Probing the provenance and distribution of heavy – mineral placer deposits in coastal areas of Southern India and SW Sri Lanka: A new multi-mineral proxy approach to understand source-to-sink link**
-  **Petrology, geochemistry and geochronology of the ultra-high temperature metamorphic rocks from Sri Lanka**
-  **Study of Platinum Group Elements, gold (Au) and copper (Cu) in mafic igneous rocks of Sri Lanka and their implications for mineral exploration**
-  **Study of calc-silicate and marble rocks in Gondwana setting: stable isotope and noble gas isotopic approach**
-  **Provenance and distribution of heavy – mineral placer deposits in coastal areas of India and Sri Lanka**

## Key Publications



Precambrian Research - (2015)

Late-Neoproterozoic ultrahigh-temperature metamorphism in the Highland Complex, Sri Lanka.



Nature Geoscience - (2008)

Highly unradiogenic lead isotope ratios from the Horomanperidotite massif in Japan.

## Conferences



Nothing to show under this subheading !!!

## My Publications

Please goto the website.

<https://sci.pdn.ac.lk/geology/staff/Sanjeewa-Malaviarachchi>