Department of Geology
Faculty of Science / University of Peradeniya



Prof. Rohana Chandrajith

B.Sc. (Perad.), M.Sc. (Shimane, Japan), Ph.D. (Erlangen, Germany)

Senior Professor

malavi@pdn.ac.lk
spkmlv@gmail.com
+94 81 239 (4218)
+94 77 781 2392
#

About Me

I obtained my BSc honours degree in Geology from the University of Peradeniya, and the MSc degree from Shimane University, Japan. In 1999, I received my PhD degree from the University of Erlangen-Nürnberg, Germany with an excellent pass. After returning to Sri Lanka, I joined the Sabaragamuwa University of Sri Lanka as a Senior Lecturer and in 2002 joined the Department of Geology, University of Peradeniya. In 2008, I was granted a merit promotion to Professor in Geology and in 2016, I was promoted to the position of Senior Professor in Geology. I also served as the Head of the Department for 3 years (2016-19) and in many University committees. In 2006 and 2019, I was awarded Research Fellowships from the Alexander Von Humboldt Foundation for a research stay in the Federal Republic of Germany. In 2013, based on my outstanding academic performance, the National Academy of Sciences of Sri Lanka conferred upon me, the Fellowship of the Academy. I also received many awards from the President of Sri Lanka including the National Awards for Science & Technology Achievements for Excellence in international collaboration for the advancement of Science & Technology (2018), and Committee of Vice-chancellors and Directors (CVCD) Excellence award -Most Outstanding Senior Researcher in Sri Lanka (2018) in the field of Physical Sciences which is the highest award that can be obtained by an academic in Sri Lanka. In 2016, I was awarded the prestigious Ananda Coomaraswamy Medal by the Geological Society of Sri Lanka for my contributions to the advancement of the Geology of Sri Lanka.

Higher Education Qualifications

 © 2022, Faculty of Science, UoP

PhD	MSc	BSc
Friedrich-Alexander-Universität Erlangen-Nürnberg Germany (1999)	Shimane University Japan (1994)	University of Peradeniya Sri Lanka (1988)

 © 2022, Faculty of Science, UoP

 © 2022, Faculty of Science, UoP

Awards, Scholarships, Memberships & Fellowships

- Committee of Vice-chancellors and Directors (CVCD) Excellence award -Most outstanding Senior Researcher in Sri Lanka in the field of Physical Sciences (life time award) (the highest award can be obtained by a academics in Sri Lanka)-2018
- National Awards for Science & Technology Achievements for Excellence in international collaboration for advancement of S&T (National Science Foundation, Sri Lanka)-2018
- Ananda Coomaraswamy Medal from the Geological Society of Sri Lanka (awarded considering the contributions to the advancement of geology of Sri Lanka)-2016
- Alexander von Humboldt Research Fellowship (Germany) 2011; 2019
- George Forster Research Fellowship (Germany) 2006/07
- German Academic Exchange Award (Germany) 2003 and 2014
- The President's Research Award (Sri Lanka) 11 times from 1999 to 2018
- NRC Merit Award for Scientific Publications -2012

 © 2022, Faculty of Science, UoP

Positions Held

Head/Geology- (from July 2016 to July 2019)

 © 2022, Faculty of Science, UoP

My Teachings

- ES314: Geological Environment and Earth Resources
- GL111: Earth Processes (3)
- GL112: Earth Processes Practical
- GL331: Environmental Geology
- GL414: Advanced Environmental Geology
- GL421: Project Proposal and Report Writing

Research Interests (Research Fields/ Projects)

- Environmental geochemistry,
  Medical Geology with particular attention to Chronic Kidney Disease with uncertain etiology (CKDu),
- Medical Geology with particular attention to Chronic Kidney Disease with uncertain etiology (CKDu),
- Groundwater contamination in coastal regions,
- Isotope hydrology,
- Use of geological materials for water decontamination,
- Paleoclimate reconstruction,
- Holocene extinction includes the disappearance of megafauna,

Ongoing Research and Projects

- **Geoenvironmental implications of Chronic Kidney Diseases of uncertain etiology (CKDu)**
- **Investigations on millennial and sub-millennial-scale variability of monsoon and its impact on terrestrial ecosystems in Sri Lanka**
- **Isotope geochemistry of sedimentary aquifers in Sri Lanka**
- **Nutrient dynamics in mountain catchments**

© 2022, Faculty of Science, UoP

Key Publications

Environmental Geochemistry and Health - (2011)

Chronic Kidney Diseases of Uncertain Etiology (CKDue) in Sri Lanka: geographic distribution and environmental implications

Earth Science Reviews - (1999)

Medical geochemistry of tropical environments

Conferences

6th International Conference on Lakes

HELD AT : Tsukuba, Japan - (1995)

15th International Sedimentalogical Congress

HELD AT : Alicante, Spain - (1998)

5th Asia-Pacific Social Science and Medicine Conference

HELD AT : Sri Lanka - (2000)

4th AGM and Learning Event- Communities and Small Scale Mining; Gems, Mine to Market, organized by the World Bank

HELD AT : Sri Lanka - (2004)

International Conference on System Earth Biosphere Coupling

HELD AT : Germany - (2004)

34th International Geological Congress (IGC)

HELD AT : Brisbane, Australia - (2012)

...

<< See more on the Web >>

My Publications

Please goto the website.

https://sci.pdn.ac.lk/geology/staff/Rohana-Chandrajith

© 2022, Faculty of Science, UoP