



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



### Mr. H.A.H. Jayasena

*B.Sc. (Perad.), M.Sc. (Colorado, USA)*

#### Former Professor

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### About Me

I am a Full Professor in Geology conducting courses for geology, archaeology, environmental science, and engineering students. I received Fulbright, IAEA, and Strickland fellowships to pursue postgraduate studies in the US. I am a Chartered Geologist (SL) and have the Provisional Membership of the APGO, Canada. I served as a Team Leader for Canadian, US, Japanese, Iraqi, Australian, and Sri Lankan IEE/EIA and ESA I/II/III projects ranging from US\$20 - 210M. I have extensively engaged in hydrology, geochemistry, hydrogeology, engineering geology, sedimentology, palynology, and sociotechnology research supported by cumulative funds over Rs.20 million. I have authored 4 book chapters, 30 ISI and 28 peer-reviewed articles, 24 major research reports, and 72 abstracts in proceedings which earned citations over 310 with H-index 11. Presidential awards (2007, 2008, and 2014), and the NSF award for best MPhil supervision in 2019 were commemorated on me based on my outstanding academic performances and national contributions.

### Higher Education Qualifications



**PhD**

Oregon State University - USA



**MPhil**

Colorado State University - USA

(1988)



**BSc**

University of Peradeniya - Sri Lanka

(1980)

## Awards, Scholarships, Memberships & Fellowships



Life Member, Sri Lankan Association for the Advancement of Science (SLAAS)



Life Member, Geological Society of Sri Lanka (GSSL)



Member, International Association of Hydrogeologists (IAH # 134148)



Member, International Association of Engineering Geologists (IAEG)



Member, Sri Lankan Geotechnical Society (SLGS # 477)



Member of the State Alumni, U.S. Government exchange program



Member, International Association for Environmental Hydrology



Member, International Association of Hydrological Sciences



Member, Institute of Geology, Sri Lanka



Scientist at S&T Management Information System, NSF, Sri Lanka. NSF/STMIS/4/1639



Member Prospectors and Developers Association, Toronto, Canada



Provisional Member APGO, Ontario, Canada



Chartered Geologist, IGSL, Colombo, Sri Lanka



Fulbright Award 1986-88



IAEA Fellowship 2001-02



Presidential Awards for Scientific Research 2008, 2009 & 2014

## Positions Held



Resident Geologist Water Resources Board Kurunegala- (1982-84)



Chairman Soil Tech (Pvt) Ltd .- (1995-2005)



Chairman Geo Corporation Ltd.- (2012 – Present)



Senior Hydrogeologist, Allnorth Consultants, BC, Canada- (2012)



Team Leader, Strategic Environmental Assessment Project, Kirkuk, Iraq- (2013)



Hydrogeological and Geological Consultant, Orbit Engineering,- (2017 September - 2018 March)

## My Teachings



GL303: Geomorphology



GL309: Hydrology

## Research Interests (Research Fields/ Projects)

Covers Hydrological, Hydrogeological, Engineering Geological, Mining, Geoarchaeological and palaeo-environmental constructions, Environmental Monitoring and Modeling, Sociotechnical aspects of Watershed Management, Land use methods, Soils Investigations and applications of novel geotechnical methods, Hydrology of tank cascade system (TCS), and National Parks. Member of the ResearchGate with over 310 cited publications and 20.78 impact points. I am a Guest Editor for Elsevier Journal Marine Pollution Bulletin. My ORCID # is 0000-0002-3311-0957.

## Ongoing Research and Projects



**Palaeobotanical and sedimentological studies on Indian and Sri Lankan basins with special reference to Gondwana flora, their palaeoenvironmental and palaeogeographical implications**

## Key Publications



### Environmental Geology - (2008)

Hydrochemistry in the groundwater flow system of a crystalline terrain: a study from Kurunegala district, Sri Lanka.



### Geology - (2014)

Holocene Indian Ocean Tsunami History in Sri Lanka

## Conferences



### IWC8- 8th GEF Biennial International Waters Conference

HELD AT : Negombo, Sri Lanka - (May 9-13, 2016)



### Strategic Environmental Assessment Workshop

HELD AT : Batumi, Georgia, and Erbil, Iraq - (September 21- October 6, 2013)



### Strategic Environmental Assessment Field program in Kirkuk, Iraq 2013.

HELD AT : IMSphere Consultants - (June 21-July 6, 2013)



### INspiringINnovation Tour 2013

- (Registration by PerkinElmer)



### World Congress of Paleontology and Stratigraphy , NakhonRatchasima,

HELD AT : Thailand - (28th November – 2nd December 2011)



### IUGG XXV General Assembly, Earth on the Edge

HELD AT : Melbourne, Australia - (27 June - 8 July 2011)

TOPIC : *Science for a Sustainable Planet*



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## My Publications

Please goto the website.

<https://sci.pdn.ac.lk/geology/staff/Chandra-Jayasena>