



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



### Prof. Ayanthie.N. Navaratne

B.Sc. (Perad.), Ph.D. (Hawaii, USA)

Senior Professor

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### About Me

Professor Ayanthi N. Navaratne, currently Head of the Department of Chemistry, University of Peradeniya obtained her B.Sc. in Chemistry (Honours) in 1984 and MS in Chemistry (Inorganic Chemistry), Ph.D in Chemistry (Analytical Chemistry) from University of Hawaii at Manoa (UHM), USA in 1989 and 1992 respectively. As a graduate teaching assistant at the UHM, she received Excellence in Teaching Award from the Hawaii Section of American Chemical Society. She was the Section E-2 (Chemical Sciences) president and a Council Member of SLAAS in 2011. Furthermore she has been conducting Pesticide awareness programs for school children of grade, 10, 11 and 12. She has received several research grant from National Science Foundation, National Research council, and Private Sector to support her research. Her main research fields include Pesticide analysis, Biosensors and Food Chemistry. She has obtained about 30 research publications and 50 research communications to credit her research activities. Furthermore she has obtained one patent and 4 patents are filed and in the process. She has received Young Scientist Award, (NSF)/TWA Sri Lanka (2001), NSF Research Award for Scientific excellence (2013), Technology Award from NSF (2015), Presidents Research awards, and NRC Merit Award. She was an International Fellow at SRI (Stanford Research Institute) International, California USA (2001-2003) while she as on sabbatical leave from university of Peradeniya.

### Higher Education Qualifications

🎓 PhD

University of Hawaii at Manoa -  
U.S.A.  
(1992)

🎓 MSc

University of Hawaii at Manoa -  
U.S.A.  
(1989)

🎓 BSc

University of Peradeniya - Sri Lanka  
(1984)

## Awards, Scholarships, Memberships & Fellowships



Excellence in Teaching award, American Chemical Society, 1989



NSF/TWA Young Scientist Award, 2000



Presidents award for research, 2000



NSF research Award for Scientific Excellence, 2013



Presidents Award for Research, 2014



Certificate of appreciation , SRI (Stanford Research Institute) International, Menlo Park, California, USA



NSF Technology Award, 2016



NRC Merit Award for Research, 2015 and 2016

## Positions Held



Professor in Chemistry

## My Teachings



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## Research Interests (Research Fields/ Projects)

Biosensors

Electrochemical detection of Pesticides

Impact of heavy metals and pesticides on CKDu in Sri Lanka, Food chemistry

## Ongoing Research and Projects



**Impact of heavy metals and pesticides on CKDu in Sri Lanka. Aloe vera gel-based food products.**

## Key Publications



PLoS ONE - (2015)

Chemical characterization of Gallstone: An approach to explore the aetiopathogenesis of gallstone disease in Sri Lanka,



J. of . Nation. Sci. Foundation , Sri Lanka - (2011)

Acute and chronic toxicity of four commonly used agricultural pesticides on asian common Frog , Bufo melanostictus Scheneider,

## Conferences



Nothing to show under this subheading !!!

## My Publications

Please goto the website.

<https://sci.pdn.ac.lk/chemistry/staff/Ayanthi-Navaratne>