Department of Chemistry
Faculty of Science / University of Peradeniya



Dr. J. A. Thiloka C. Ariyasena

B.Sc. (Perad.), Ph.D. (Wayne State, USA)

Senior Lecturer

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About Me

Obtained the BSc (Chemistry Special) Hons degree from the University of Peradeniya, Sri Lanka in 2003. Graduated with MSc (2008) and PhD (2014) degrees from Wayne State University, Detroit, MI, USA. Research areas are mainly focused on analyzing the distribution levels of compounds which are of environmental significance. Gas chromatography, liquid chromatography, and ion chromatography techniques will be used in combination with other analytical tools.

Higher Education Qualifications

PhD	MSc	BSc
Wayne State University USA (2014)	Wayne State University USA (2008)	University of Peradeniya Sri Lanka (2003)

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Awards, Scholarships, Memberships & Fellowships

- Departmental citation for excellence in teaching service, Department of Chemistry, Wayne State University, 2008
- Golden Key International Honor Society: Top 15% of students based on graduate course work

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Positions Held

- Senior Lecturer, Uva Wellassa University of Sri Lanka- (2016-2017)
- Visiting Lecturer, Sabaragamuwa University of Sri Lanka
- Co-coordinator, M.Sc. in Analytical Chemistry Degree Programme, Postgraduate Institute of Science, University of Peradeniyaa- (2019-2020)
- Coordinator, M.Sc. in Analytical Chemistry Degree Programme, Postgraduate Institute of Science, University of Peradeniya- (2020 to date)

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My Teachings

Nothing to show under this subheading !!!

Research Interests (Research Fields/ Projects)

Estimating the partition levels of environmentally important compounds in various environmental systems of interest, using chromatographic methods.

Ongoing Research and Projects

Determining the descriptor values of selected organic compounds and estimating their distribution levels using environmental models.

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Key Publications

J. Chromatogr. A - (2014)

Determination of Descriptors for Polycyclic Aromatic Hydrocarbons and Related Compounds by Chromatographic Methods and Liquid-Liquid Partition in Totally Organic Biphasic Systems.

J. Chromatogr. A - (2013)

Estimation of the Environmental Properties of Compounds from Chromatographic Measurements and the Solvation Parameter Model.

Conferences

International Forestry and Environmental Symposium, Department of Forestry and Environmental Science

HELD AT : University of Sri Jayewardenepura, Sri Lanka - (September 23, 2016)
TOPIC : *Determination of Descriptors for a group of Amine and Amide Compounds in order to Estimate their Distribution Levels in Natural Environmental Systems*

ANACHEM/SAS Symposium

HELD AT : Livonia, Michigan - (November 7, 2013)
TOPIC : *Evaluation of Ethanolamine and Triethylamine as Counter Solvents in Totally Organic Biphasic Liquid-Liquid Partition Systems and Their Use for Estimating Descriptors for Organic Compounds*

Graduate Research Symposium

HELD AT : Department of Chemistry, Wayne State University - (October, 2009)
TOPIC : *Synthesis and Characterization of First Row Transition Metal Complexes Containing Beta-Diketiminato Ligands*

My Publications

Please goto the website.

https://sci.pdn.ac.lk/chemistry/staff/Thiloka-Ariyasena

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