

Kuluni Madushika Perera

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ACADEMIC QUALIFICATIONS

- **Bachelor of Science (Special Degree) in Chemistry** February 2016
University of Colombo, Sri Lanka

First Class Honours

- **Graduate Chemist** September 2014
*Graduateship Programme in Chemistry, College of Chemical Sciences,
Institute of Chemistry Ceylon*

First Class Honours**RESEARCH EXPERIENCE**

- **Undergraduate research project** 2015
Department of Chemistry, University of Colombo

Title : **Development and Characterization of a Potentiometric Ion Selective Electrode for the determination of Zn(II) ions**

Project focused on developing a zinc-selective electrode that would provide a simple yet efficient method for the quantitative determination of zinc ions and a low-cost alternative to the study of zinc by Atomic absorption Spectroscopy (AAS).

Research Supervisor - Dr. L. H. R. Perera (*Senior Lecturer, University of Colombo*)

- **Volunteer Research Assistant** (October 2016 – present)
Colombo Science and Technology Cell, University of Colombo

Involved in researching electrochemical sensors in collaboration with industry

PUBLICATIONS AND PRESENTATIONS

- **Perera, K.M.**, Perera, L.H.R.; *Development and Characterization of a Potentiometric Ion-Selective Electrode for the Determination of Zinc(II) ions*. Paper presented at the 9th International Research Conference, General Sir John Kotelawala Defence University, Sri Lanka, Sep 8-9, 2016.
 - Presentation on “ **Development and Characterization of an Ion-Selective Electrode for the Detection of Zn(II)**” at the Royal Society of Chemistry- Sri Lanka Section Annual Sessions and Awards Ceremony – 2016.
 - Seminar presentation on “**Stimuli Responsive Polymers for Biomedical Applications**”
Department of Chemistry, Faculty of Science, University of Colombo.
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