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# AMENDRA JEEVANTHI LIYANARACHCHI

## OBJECTIVE

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To pursue a Doctoral Degree in Chemistry specializing in the area of Synthetic Organic Chemistry with the ultimate goal of contributing to the scientific world through research and to mentor the future generation with profound knowledge in chemistry.

## EDUCATIONAL QUALIFICATIONS

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### 2018 - Present

Graduate Assistant (Ph.D)  
Department of Chemistry  
The University of Toledo  
OH, USA

### 2017

University of Colombo, Sri Lanka (<http://www.cmb.ac.lk/>)  
B. Sc. (Special) Degree in Chemistry - First Class Honors  
Year of Graduation: 2017  
Cumulative GPA : 3.63

## RESEARCH EXPERIENCE

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2016

**Title – Quality Assessment of Ayurvedic Medicinal Oils Using Fluorescence Spectroscopy**

**Advisor – Dr. Sashiprabha Vithanarachchi**

*Undergraduate Research Dissertation, Faculty of Science, University of Colombo, Sri Lanka*

Poster Abstract Publication in the SLAAS (Sri Lanka Association for the Advancement of Science) Proceedings of the 73<sup>rd</sup> Annual Sessions (959/E2)

## SKILLS

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### Instrumental Techniques

Hand on experience in handling GC-MS, Fluorescence Spectrophotometer, Microwave reactor, Atomic Absorption Spectrophotometer, and UV-Vis Spectrophotometer

### Other Strengths

- Good team player, enthusiastic, and motivated.
- Good command in both English and Sinhala Languages
- Organized and methodical
- Good communication skills
- Comprehensive knowledge in all commonly used computer programs (MS-word, Excel, Power Point) Internet and Email.
- Knowledge on using computer software like MATLAB

## COLLEGIATE PRESENTATIONS

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2017

Poster presentation at the 73<sup>rd</sup> Annual Sessions organized by the Sri Lanka Association for the Advancement of Science (SLAAS)

**Title - Application of fluorescence spectroscopy as a tool for quality determination of two selected ayurvedic medicinal oils.**

2016

Oral seminar presentation in partial fulfillment of the requirements for the undergraduate course. CH 4002: Seminar and Essay, University of Colombo.

**Title -Effects of metallic and metal oxide nanoparticles in aquatic and terrestrial food chains.**

2015

Oral presentation in partial fulfillment of the requirements for the undergraduate course CH 3030: Advanced Practical chemistry, University of Colombo

**Title - Synthesis of perovskite structure  $\text{YBa}_2\text{Cu}_3\text{O}_7$  and evaluating its super-conductivity properties**

## PROFESSIONAL EXPERIENCE

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### March 2017- Present

Teaching Assistant (Third Year Special Laboratory)  
Department of Chemistry, Faculty of Science  
University of Colombo

#### Key Responsibilities

- Assisting the lecturer in charge in conducting laboratory experiments
- Preparing test solutions and performing experimental trials
- Guiding the undergraduate students on laboratory techniques
- Marking weekly lab notebooks and reports
- Conducting tutorial classes for the first year undergraduate students on thermodynamics, chemical kinetics, and organic chemistry
- Invigilating exams held by the university

Teaching Assistant (M.Sc. in Education Chemistry Practical Component)  
Department of Chemistry, Faculty of Science  
University of Colombo

#### Key Responsibilities

- Assisting the lecturer in charge in conducting laboratory experiments
- Preparing the laboratory for the practical sessions
- Guiding the M.Sc. students in carrying out the practical

## SOCIAL WORK AND PARTICIPATIONS

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### 2017

Participated in **Annual Research Symposium-2017** held at University of Colombo, Faculty of Science

Participated in the workshop on **New Innovations and Future Directions of Indigenous Medicine and Herbal Products.**

Organized by the Sri Lanka Association for the Advancement of Science (SLAAS)

### 2014

Conducted an **Awareness programme on Rain water Harvesting in Rural Regions of the Arid Zone in Sri Lanka**

Organized by the Department of Zoology and Environment Sciences, University Of Colombo, Sri Lanka.

### 2013

Followed a training programme on **Developing Leadership Qualities and Positive Thinking**

Organized by the Ministry of Higher Education, Sri Lanka

## EXTRACURRICULAR ACTIVITIES

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<b>2017</b>	Member of the <b>Sri Lanka Association for the Advancement of Science (SLAAS)</b>
<b>2015 – Present</b>	Member of the <b>Chemical Society</b> (ChemSoc) Faculty of Science, University of Colombo, Sri Lanka.
<b>2015 – 2016</b>	Secretary of the Music Society – Faculty of Science, University of Colombo, Sri Lanka
<b>2009 – 2011</b>	Member of the Astronomical Society - Musaeus College, Colombo 07, Sri Lanka
<b>2009 – 2011</b>	Member of the Wildlife Society - Musaeus College, Colombo 07, Sri Lanka

## REFEREES

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### **Prof. Ramanee Wijsekara**

#### **Head of the Chemistry Department/ Senior Professor**

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Faculty of Science  
University of Colombo  
Sri Lanka  
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### **Prof. Dhammike P. Dissanayake**

#### **Senior Professor**

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### **Dr. Sashiprabha Vithanarachchi**

#### **Senior Lecturer**

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