

# D.CHARITHA PERERA

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## *Curriculum vitae*

### Personal Information

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**Phone** +1 207 889 2030

**Nationality** Sri Lankan

### Academic Profile

**Ph.D in Chemistry** – University of Maine –Expecting 2020

**B Sc. (Special) Degree** – University of Ruhuna, Matara, Sri Lanka - **2014**

**Specialized – Chemistry**

### Research Experience and interests:

- Theoretical study of Catalytic Decomposition of Acetic Acid on MgO nanosurface.
- Theoretical study of structural and electronic properties of  $\text{Mg}(\text{OH})_2$  Clusters.
- Studying the transition state of glycosylation reaction.

### Publications:

- Duwage C. Perera, Jinasena W. Hewage, Nalin de Silva, Theoretical study of catalytic decomposition of acetic acid on MgO nanosurface, *Comput. Theor. Chem.*(2015) In Press, Available online 1 May 2015.

<http://www.sciencedirect.com/science/article/pii/S2210271X15001619>

- Angular Positioning System-Abstract for undergraduate innovation & invention exhibition at 8<sup>th</sup> Science Symposium , University of Ruhuna, Sri Lanka-2011
- Variety Tea Maker- Abstract for undergraduate innovation & invention exhibition at 9<sup>th</sup> Science Symposium , University of Ruhuna, Sri Lanka-2012

### Experience

- Teaching Assistant – University Of Ruhuna, Sri Lanka (Physical Chemistry , Inorganic Chemistry & Organic Chemistry undergraduate courses) ,2014-2015
- Teaching Assistant – University Of Maine, USA ( General Chemistry undergraduate courses) , 2016 on wards

## Awards

- Passed the Australian National Chemistry Quiz conducted by Royal Australian Chemical Institute.

## Key Skills

- Packages – Gaussian 09, Gauss view 05, NAMD, VMD
- Platform - Unix/Linux , Microsoft Windows
- Languages – Fortran, C++
- Graphics – Gnuplot

## Membership

- A member of Young Scientist Forum
- A member of American Chemical Society

## References

Prof. Jayendran C. Rasaiah

Senior Professor

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Dr. Jinasena W. Hewage

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