



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



**Prof. R.M. Gamini Rajapakse**

*B.Sc. (Perad.), Ph.D. (London, UK)*

**Senior Professor**

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## Higher Education Qualifications

🎓 **PhD**

Imperial College of Science, Technology and Medicine,  
University of London  
UK  
(1988)

🎓 **BSc**

University of Peradeniya  
Sri Lanka  
(1983)

## Awards, Scholarships, Memberships & Fellowships



CVCD award for most outstanding senior researcher in physical sciences-2014



Presidential awards for scientific publications-13 publications



NSF SUSRED award 2013



Nature's secrets award for best commercially-viable research-2013



NSF SUSRED award 2012



The NSF research award for scientific excellence 2012



NSF SUSRED award 2011



Presidential awards 2010



Hiran Thilakeratne award for best research in chemistry 2009



Devanathan memorial award and silver medal 1977



TWAS/NARESA prize for young scientists 1995



SLAAS best research award 1993



Hayleys studentship for the best performance in overall chemistry at B.Sc. special degree in chemistry year-end examinations



Based on merit: 1980-1981 2nd Year Undergraduate (Special Degree 1st year)



Based on merit: 1981-1982 3rd Year Undergraduate (Special Degree 2nd year)



Based on merit: 1981-1982 4th Year Undergraduate (Special Degree 3rd year)

## Positions Held



Senior Professor in Chemistry

## My Teachings



Nothing to show under this subheading !!!

## Research Interests (Research Fields/ Projects)

- Advanced Textiles
- Clay-polymer Nanocomposites
- Advanced Textiles
- Hydroxyapatite Coatings on Stainless Steel and Titanium Prostheses
- Dye-sensitized Solar Cells
- Low-cost Electrodes for Oxygen Reduction in Fuel Cells
- Conversion of Local Minerals into Value-added Nanomaterials
- Low-cost Catalysts for Supercritical Water-assisted Green Energy Production
- Slow-release Fertilizers Derived from Ammonium and Phosphate Encapsulated Hollow Hydroxyapatite Nanoparticles
- Eradication of Chronic Kidney Disease of Unknown Origin Prevailing in Some Agricultural Parts of Sri Lanka
- Transparent Conducting Oxide 1-D Nanomaterials
- Graphene from Local Graphite
- Slow-release Anticancer Drugs Derived from Hollow Hydroxyapatites
- Electronically Conducting Polymers
- Advanced Electroanalytical Chemistry

## Ongoing Research and Projects



Nothing to show under this subheading !!!

## Key Publications



Nothing to show under this subheading !!!

## Conferences



Nothing to show under this subheading !!!

## My Publications

Please goto the website.

<https://sci.pdn.ac.lk/chemistry/staff/Gamini-Rajapakse>