



Department of Chemistry
Faculty of Science / University of Peradeniya



Dr. W. S. Subhashini Gunathilake

B.Sc. (Perad.), Ph.D. (UT Dallas, USA)

Senior Lecturer

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🔗 #

Higher Education Qualifications

🎓 **PhD**

University of Texas at Dallas

USA

(2014)

🎓 **BSc**

University of Peradeniya

Sri Lanka

(2008)

Awards, Scholarships, Memberships & Fellowships



Member of American Chemical Society (ACS) since 2012



NRC Merit Award for Scientific Publications



AHEAD-RIC-2019







University of Peradeniya research grants-2019

Positions Held



Nothing to show under this subheading !!!




My Teachings

-  CH331: Physical Chemistry II
-  CH332: Physical Chemistry III
-  CH371: Industrial Chemistry
-  CH436: Advanced Physical Chemistry III

Research Interests (Research Fields/ Projects)

Conjugated polymers for optoelectronic applications, polymers for water purification, polymeric dressing for wound healing applications.

Ongoing Research and Projects

-  **Natural products incorporated biopolymer wound dressings**
-  **Conjugated polymers as counter electrode materials in dye sensitized solar cells**
-  **Polymeric adsorbents in wastewater remediation**

Key Publications



Nothing to show under this subheading !!!

Conferences



IIUPST-2017, Polymer symposium

HELD AT : University of Sri Jayawardenapura, Sri Lanka

TOPIC : *Coconut coir / Polyaniline composite for the removal of hexavalent Chromium from wastewater*



Peradeniya University International Research Sessions

HELD AT : Sri Lanka - (2015)

TOPIC : *Platinum free dye-sensitized solar cell with Sri Lankan vein graphite/polyaniline composite counter electrode*



247th ACS National Meeting & Exposition

HELD AT : Dallas, TX, United states - (March 16-20 2014)

TOPIC : *Synthesis and Characterization of Novel Semiconducting Polymers Containing Pyrimidine*



247th ACS National Meeting & Exposition,

HELD AT : Dallas, TX, United states - (March 16-20 2014)

TOPIC : *Nitrogen containing graphene like structures from pyrolysis of pyrimidine polymers and their application in polymer/graphene hybrid field effect transistors*



7th International Symposium on Water Quality and Human Health-Challenges Ahead

HELD AT : PGIS, University of Peradeniya - (2019)

My Publications

Please goto the website.

<https://sci.pdn.ac.lk/chemistry/staff/Subhashini-Gunathilake>