

Department of Chemistry Faculty of Science / University of Peradeniya



Dr. W. S. Subhashini Gunathilake

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Higher Education Qualifications



PhD

University of Texas at Dallas USA (2014)



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 grnats-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

Congugated 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: Plantinum free dye-sensitized solar cell with Sri Lankan vein graphite/polyaniline composite counter electrode

electroae

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