

Department of Chemistry Faculty of Science / University of Peradeniya



Dr. R. J. K. Udayana Ranatunga

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

Senior Lecturer

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About Me

Udayana Ranatunga is a computational chemist working the in fields of nanotechnology, surface science and biophysics. He is a Alumnus of the university of Peradeniya, and the University of Texas at Dallas.

Higher Education Qualifications

PhD	📚 MSc	😒 BSc
University of Texas at Dallas - USA	University of Texas at Dallas - USA	University of Peradeniya - Sri Lanka
(2012)	(2009)	(2006)

Awards, Scholarships, Memberships & Fellowships



Nothing to show under this subheading !!!

Positions Held



Senior Student Councellor- (2013 – 2015)

Director - Science-Industry Interaction Cell- (2019-present)

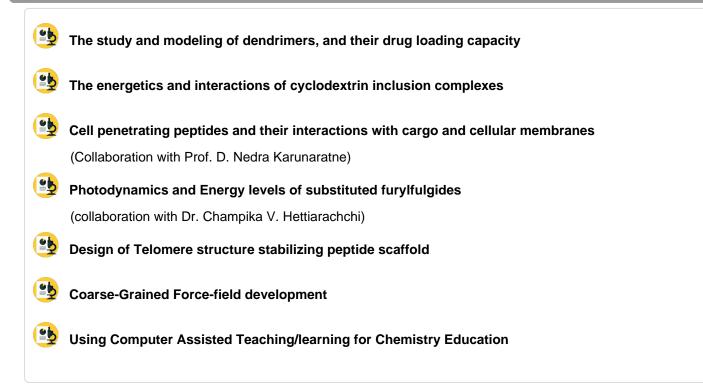
My Teachings

- CH109: Elementary Chemistry Laboratory II
- 🖵 CH228: Organic Chemistry Laboratory
- CH342: Computer Applications and Instrumentation
- 🖵 CH437: Modern Topics in Physical Chemistry

Research Interests (Research Fields/ Projects)

Research focus is mainly on the computational and theoretical study of 'soft' nanoparticles, particularly in relation to their physical behaviour and energetics.

Ongoing Research and Projects



Key Publications

A Molecular Docking Study J. Biophys. - (2017)

Trends in the Binding of Cell Penetrating Peptides to siRNA:

Soft Matter - (2011)

Molecular Dynamics Study of Nanoparticles and Non-Ionic Surfactant at an oil/water interface.

Conferences



Nothing to show under this subheading !!!

My Publications

Please goto the website.

https://sci.pdn.ac.lk/chemistry/staff/Udayana-Ranatunga