Department of Science Education Unit
Faculty of Science / University of Peradeniya



Dr. W.D. Chandrasena

B.Sc., M.Sc. (Perad.), M.Phil. (CMB), Ph.D. (UWS, Australia)

Senior Lecturer

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About Me

As a responsible academic, my strong intention is to become a highly acclaimed person who could integrate teaching, researching & counseling into the education process to produce high quality & skilful graduates with right attitudes towards benefit of the community through critical innovative and rational thinking. Thus, my overall vision is to become a High Calibre Educationist during my tenure to contribute enormously for a better future in this world through the aspects related to the field of Science Education.

I started my career as a High School Science and Mathematics teacher in a remote area of Viyaluwa Education Zone, Uva Province, Sri Lanka. As I wanted to continue my higher studies at the University level I admitted to the University of Peradeniya with 8.5 years of teaching experience. During the period of my school teaching I was able to gather a lot of experience in teaching and learning process. I have noticed that especially the students in remote areas need a proper motivation, facilitation, and guidance to continue their studies as the environment is not conducive and very much supportive towards their education. Hence, I have the mission and the vision of supporting the learners towards their education through my endeavours becoming an effective and efficient educator nationally and internationally in my profession.

Higher Education Qualifications

PhD	MPhil	MSc	BSc
UWS	University of Colombo Sri Lanka	University of Peradeniya Sri Lanka	University of Peradeniya Sri Lanka

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Awards, Scholarships, Memberships & Fellowships

- Young Scholar Best Paper Awards - Asia Pasific Educational Research Association & The Hong Kong Educational Research Association International Conference 2014
- PhD Scholarship (IPRS) International Postgraduate Research Scholarship Award
- PhD Commended Award at Self - Conference in Germany
- Three minute thesis Competition Award by University of Western Sydney Australia

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Positions Held

- Senior Lecturer
- Deputy Director, Learning Resources, Centre for Distance and Continuing Education, University of Peradeniya, Sri Lanka- (2016 - 2020)
- Former Acting Director, Staff Development Centre,University of Peradeniya, Sri Lanka- (2015)
- Course Coordinator, M.Sc. in Science Education, Postgraduate Institute of Science, University of Peradeniya, Sri Lanka (Current)- (2014 Onwards)
- Chemistry Subject Coordinator, M.Sc. in Science Education, Postgraduate Institute of Science, University of Peradeniya, Sri Lanka- (2015)
- Course Coordinator, Undergraduate Programme in Science Education, Postgraduate Institute of Science, University of Peradeniya, Sri Lanka- (2014 Onwards)
- Visiting Lecturer, South Eastern University of Sri Lanka- (2013, 2014, 2015, 2016, and 2017)
- Co - Coordinator of Soft Skills Programme held at the Faculty of Science, University of Peradeniya, Sri Lanka- (2013)
- Co - coordinator of Career Guidance Programme held at the Faculty of Science, University of Peradeniya, Sri Lanka- (2013)

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My Teachings

- SE201: Foundations in Science Education
- SE202: Educational Philosophy and Educational Management
- SE301: Methodology in Teaching Science
- SE302: Teaching practice
- SE303: Assessing students in the learning process

Research Interests (Research Fields/ Projects)

Students' Misconceptions in Science, Chemical Calculations, Designing Low Cost, Colourful, Attractive and Simple Experiments for Teaching Basic Scientific Concepts, Use of Computer Technology in Science Teaching

Ongoing Research and Projects

- **Application of Self-Determination Theory in Science Teaching**
- **Development of New Model on Reflective Practice for Prospective Teachers in N.C.O.E.s in Sri Lanka**
- **Traditional Teaching and Assessment Versus Skills Oriented Instruction and Assessment to Enhance Generic Skills in Learning Chemistry Components in Grade Seven in Central Province Schools, Sri Lanka**

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Key Publications

Nothing to show under this subheading !!!

Conferences

International Conference, Melbourne

HELD AT : Melbourne Campus, Australia. - (25–28 September, 2017)
TOPIC : *Investigation of the Relations of Students' Physics Self - Concepts on Mechanics, Electricity, Waves, Pressure, Force, Energy - Work and Power with Their Achievements.*

International Conference on Self - Determination Theory

HELD AT : British Columbia, Canada - (2-5 June, 2016)
TOPIC : *Seeding Science Success The Significance of Secondary Science Students' Motivation on Their Science Aspirations and Achievement*

International Conference, Germany

HELD AT : Kiel, Germany. - (20–24 August, 2015)
TOPIC : *Seeding Science Success: Relations of Secondary Science Students' Self - Concepts with Their Achievement and Aspirations*

Educational research Association International Conference, Hong - Kong

HELD AT : Hong - Kong. - (19-21 November, 2014)
TOPIC : *Seeding Science Success: Psychometric Properties of Secondary Science Questionnaire on Students' Self - Concept, Motivation, and Aspirations.*

International Conference and ERAS Conference

HELD AT : Nanyang, Singapore - (9th - 11th September, 2013)
TOPIC : *Seeding Science Success: The Relations of Secondary Students' Science Self - Concepts and Motivation with Aspirations and Achievement*

My Publications

Please goto the website.

https://sci.pdn.ac.lk/seu/staff/WD-Chandrasena

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