

PARANTHAMAN SUBRAMANIAM

Department of Physical Science
Faculty of Applied Science
Trincomalee Campus
Eastern University
Sri Lanka
Phone No: +94 771112573
E-mail: paranthamans@esn.ac.lk



ACADEMIC QUALIFICATIONS

- M.Sc. in Applied Electronics, University of Colombo, Sri Lanka, 2018-2021.
- B. Sc. in Physics (second class upper, GPA 3.37/4.0), University of Jaffna, Sri Lanka, 2011-2016.

PROFESSIONAL EXPERIENCE

- Probationary Lecturer, Department of Physical Science, Trincomalee Campus, Eastern University, Sri Lanka, August 2019 -- present
- Temporary Assistant Lecturer, Department of Physical Science, Trincomalee Campus, Eastern University, Sri Lanka, April 2018 – August 2019
- Temporary Assistant Lecturer, Department of Physics, University of Jaffna, Sri Lanka, June 2017 - March 2018
- Demonstrator (Teaching Assistant), Department of Physics, University of Jaffna, Sri Lanka, April 2016 - March 2017

ACADEMIC ADMINISTRATIVE POSITION

- Member of the Bid Opening Committee, Trincomalee Campus, Eastern University, Sri Lanka, February 2020 – present.
- Member of Technical Evaluation committee, Trincomalee Campus, Eastern University, Sri Lanka, September 2019 – present.
- Member of the Board, Faculty of Applied Science, Trincomalee Campus, Eastern University, Sri Lanka, November 2019 – present.

- Session coordinator for 4th Annual Research Conference, Trincomalee Campus, Eastern University, Sri Lanka, September 2019.
- Committee member for 4th Annual Research Conference Trincomalee Campus, Eastern University, Sri Lanka (TRInCo 2019).
- Committee member of Senior Common Room, Trincomalee Campus, Eastern University, Sri Lanka.
- Member of Drug Elimination Unit, Trincomalee Campus, Eastern University, Sri Lanka.
- Student Counselor, Faculty of Applied Science, Trincomalee Campus, Eastern University, Sri Lanka, June 2018 – December 2018.

PROFESSIONAL CERTIFICATE

- Certificate in Teaching and Related Initial Practices in Higher Education, Staff Development Center, Eastern University, Sri Lanka, 13th November, 2020.

COURSES TAUGHT

Digital Electronics, Electronic Sensors, Electronic Materials, Circuit Analysis, Communication Systems, Analog Electronics, Physical optics, Solid State Physics.

PUBLICATION

- Multi-walled carbon nanotube incorporated nanoporous titanium dioxide electrodes for hybrid polymer solar cells, K. Balashangar, **S. Paranthaman**, M. Thanihachelvan, P.A. Amalraj, D. Velauthapillai, P. Ravirajan, Materials Letters 219 (2018) 265-268.

PRESENTATIONS

Presented Abstracts

- Utilization of Solid Waste Composition to Produce Eco-friendly Cement Brick, **S. Paranthaman**, M.M.P.S. Kodikara, S. Loheeswaran, Proceedings of the 2nd Asia International Conference on Multidisciplinary Research 2020 (AIMR'20), December-10, 2020.
- Radio frequency antenna demonstrator kit, **S. Paranthaman**, S. Loheeswaran, Proceedings of the 3rd South Asia Conference on Interdisciplinary Research 2021 (SAIR'21), November-05, 2021.

Contributed Abstracts

- Evaluation of Piezoelectric Buzzers for Energy Harvesting, V.Vishvarooban, U.Rishanthan, K.M.T.M. Leelananda, B.H. Shanika, D.I. Madushan, W.G.P.C. Abayarathna, V.Kanan Hiroshan, **S. Paranthaman**, S. Loheeswaran, Proceedings of the Undergraduate Research Symposium 2021 Physics Society, University of Jaffna, January 19, 2021.
- Multiwalled Carbon Nanotube (MWNT) for Enhancing the Performance of Titanium Dioxide/ Poly (3- Hexylthiophene) Solar Cells, K. Balashangar, **S. Paranthaman**, P. A. Amalraj, M. Thanihaichelvan and P. Ravirajan, Proceedings of the 3rd International Conference on Nanoscience and Nanotechnology (ICNSNT 2016), December 15-16, 2016.
- Strategies for Enhancing the Performance of Hybrid Nanocrystalline Metal Oxides/Polymer Solar Cells, **S. Paranthaman**, P. Sumanthiran, T. Thivakarasarma, S. Loheeswaran, K. Balashangar, K. Prashanthan, M. Thanihaichelvan, S. Rasalingam, N. Robertson, J. Nelson, V. Dhayalan and P. Ravirajan, Proceedings of the 3rd International Conference on Nanoscience and Nanotechnology (ICNSNT 2016), December 15-16, 2016.
- Multiwalled Carbon Nanotube for Efficiency Enhancement of Hybrid TiO₂/Polymer Solar Cells, K. Balashangar, **S. Paranthaman**, M. Thanihaichelvan and P. Ravirajan, Proceedings of the 2nd International Conference on Nanoscience and Nanotechnology (ICNSNT 2015), September 02-04, 2015.

SPECIAL SERVICES RENDERED TO THE SOCIETY

- Awareness programme for school children on solar energy under the ministry initiated project titled 'Prototype Manufacturing of Solar Panels' on 09/11/2017.
- Awareness programme on 'Solar Power utilization' to the school students at Educational Zones of the Eastern Province from 15/10/2019 to 17/10/2019.

CONFERENCES AND WORKSHOPS

- 3rd International Conference on **Nanoscience and Nanotechnology** (ICNSNT 2016), December 15-16, 2016.

- Workshop on “**Outcome Based Learning and Student Centered teaching**”, Malima Lake Front Rest, Kandy road, Kanthale, October 10th, 2019. (Organized by the Staff Development Center, Trincomalee Campus, Eastern University, Sri Lanka)
- Fourth international Research Conference on “**Sustainability through Transformation**”, Trincomalee Campus, September 19-20, 2019.
- Workshop on “**Seminar on Professional Development**”, E-learning room (CICT/TC), 31st January 2020. (Organized by the Staff Development Center, Trincomalee Campus, Eastern University, Sri Lanka)
- Online Workshop on “**Technology to Reach and Teach the Learners during COVID-19**” from May 21-25, 2020. (Organized by Uttarhand Open University (UOU), Haldwadi)
- 2nd Asia International Conference on **Multidisciplinary Research 2020** (AIMR’20), December-10, 2020.
- 3rd South Asia Conference on **Interdisciplinary Research 2021** (SAIR’21), Noverber-05, 2021.