

## Faculty Profile



Name : **Dr.K. ESAKKI MUTHU**  
Designation : Assistant Professor  
Department : Electronics & Communication Engineering  
Email : esaionly@gmail.com  
Mobile :  
Phone : 0461-2310044 (Extn-231)

### Education

**B.E-** ECE, Alagappa Chettiar College of Engineering & Technology, Karaikudi.

**M.E-** Optical Communication, Alagappa Chettiar College of Engineering & Technology, Karaikudi.

**Ph.D-** Anna University Chennai.

### Teaching and Research Experience

**Assistant Professor**, University VOC College of Engineering, August 2010 to Tilldate.

**Assistant Professor**, Mount Zion College of Engineering & Technology, Pudukkottai from May 2010 to August 2010.

**Assistant Professor**, Sudharson Engineering College, Pudukkottai, from July 2009 to April 2010.

**Research Scholar**, IIT KGP from January 2007 to July 2009.

**Lecturer**, Alagappa Chettiar College of Engineering & Technology, Karaikudi, from December 2001 to January 2007.

### Research Interests / Area of Research / Achievements in research/ Projects/Collaborations

Optical Communications

Wireless Communications

### Selected Publications (Journals / Books) – recent 5 publications

**Esakki Muthu.K**, Sivanantha Raja.A 2018, 'Multimeter Wave generation through frequency 12-tupling using DP-Polarization modulators', optical and quantum electronics (Annexure I) (IF1.055).

**Esakki Muthu.K**, Sivanantha Raja.A & Selvendran.S, 2017, 'Optical Generation of millimeter waves through frequency decoupling using DP-MZM with RoF transmission', Optical and Quantum Electronics, Vol. 49, no.63, pp. ISSN: 0306-8919 (Print) 1572-817X (Online) (Annexure I) IF-1.29.

**Esakki Muthu.K**, Sivanantha Raja.A & Shanmugapriya.G 2017, 'Frequency 16 tupled optical multimeter wave generation using Dual caxaded m2m&2.5 cabps ROF Transmission Optik- International journal for Light and Electron optics, Vol.140, pp.338-346 (Annexure I) 0.835

**Esakki Muthu.K** & Sivanantha Raja, 2016, A, 'Improved filterless 12-tupled optical MM-Wave generation and 2.5 Gb/s RoF Transmission', Optoelectronics and Advanced Materials-Rapid Communications, Vol. 10, No. 11-12, pp. 869-872, ISSN: 1842-6573 (Print) 2065-3824 (on-line) (Annexure I). IF 0.412

**Esakki Muthu.K** & Sivanantha Raja, A, 2016, 'Bidirectional MM-wave Radio over Fiber Transmission through frequency dual octupling of RF local oscillator', Journal of the European Optical Society, Vol. 12 No.24, pp.1-9, ISSN: 1990-2573 (Online) (Annexure I). IF 1.199.

**Esakki Muthu.K** & Sivanantha Raja.A, 2016, '2.5 Gbps Millimeter wave Radio over Fiber Transmission based on dual octupling of RF Local Oscillator', International Journal of Control Theory and Applications, Vol.9, No. 8, pp. 3529-3534, ISSN: 0974-5572 (Annexure II). IF

**Esakki Muthu.K**, Sivanantha Raja.A & Suria Gandhi.C, 2015, ' 80 GHz Millimeter Wave Generation Using Octupling Technique and 2.5 Gbps Full duplex Radio over Fiber Transmission', International Journal of Applied Engineering Research, Vol. 10, No. 20, pp. 19264-19267, ISSN 0973-4562 (Print) 0973-9769 (on-line).

### **Administrative Post held**

Residential Tutor from September 2010 to September 2011

ECE Placement Coordinator since 2012

Task Force Member since 2013

Placement Officer (2015-2017)

### **Awards and Honors received**

Best Paper award NCCC 2015 organized by Dept of ECE, Regional Campus Tirunelveli

### **Membership List**

Life Member of MISTE

Life Member of Photonics Society of India

ICIEC -Japan