

**Name** : **Umadevi K S**  
**Designation** : **Asst. Professor**  
**Dept. of Electronics**  
**Prajyoti Niketan College, Pudukad-680301**  
**Department** : **Electronics**

**Publications :-**

*i. International*

1. Flexible Split-ring resonator metamaterial structure at microwave frequencies, Co-author publication in 'Microwave and Optical Technology Letters', June 2012
2. Experimental Studies on the Effect of Substrate Dielectric Constant on the Resonant Frequency of Split-Ring Resonator Metamaterial Structure, International Journal of Science and Research (IJSR), July 2014

*ii. National*

1. Effect of Substrate Parameters on the Resonant Frequencies of Split-Ring Resonator Metamaterials, Proceedings of the National Seminar on Quantum confined System & Nano devices, St.Thomas College, Pala(Co-Author), Dec 2009
2. An Efficient method for finding the Resonance properties of Split Ring Resonator, Proceedings of the National Seminar on 'Materials for Electromagnetic Applications, Christ College, Irinjalakuda, Nov 2011

**Participation in Courses/ Seminars/ Workshops.**

National Seminars:-

1. One day National Seminar on Computer Animation, IT-VISTA 2009, Prajyoti Niketan College, Pudukad; 23 January, 2009
2. A National Seminar on Electronics **EIKOS'2009**, Prajyoti Niketan College, Pudukad 13<sup>th</sup> November 2009

3. One day Seminar on Cosmology, Christ College ,Irinjalakuda,7<sup>th</sup> November 2009
4. National seminar on 'Materials for Electromagnetic Applications', Christ College,Irinjalakuda,29,30 November 2011
5. National Seminar on 'Emerging trends in Growth and characterization of single crystals and Nanomaterials', Post Graduate Department of Physics, Sacred Heart College, Chalakudy ,11 ,12 March 2013
6. National Seminar on 'Electroceramics', Department of Physics, St.Aloysius College, Elthuruthu, Thrissur ,24<sup>th</sup>,25<sup>th</sup> February 2014

#### **Training/ Refresher Courses attended:**

1. UGC-Sponsored Orientation Programme from 16.1.2013 to 12.02.2013,John Mathai Centre,Aranattukara

#### **Membership/ official position in academic, socio-cultural, voluntary organizations etc. details**

1. Member, Board of Examiners, B.Sc Electronics Main & Subsidiary both Theory & Practicals
2. Chief Examiner for the valuation of B.Sc Electronics main and subsidiary Examinations of University of Calicut
3. Member, Board of Examiners in Electronics, St. Thomas Autonomous College, Thrissur

#### **Responsibilities Shared in the College**

1. Member of CCSS Committee
2. Member of Alumni Association
3. Member of WWS

#### **Papers presented**

1. Automation of Gunn Diode for microwave frequency Scanning, Prajyoti Niketan College, Pudukad, National Seminar on Electronics EIKOS 2009. 13<sup>th</sup>November 2009

2. An Efficient method for finding the Resonance properties of Split Ring Resonator, National Seminar on 'Materials for Electromagnetic Applications, Christ College, Irinjalakuda, 29,30 November 2011
3. Effect of substrate Dielectric constant on the resonant frequency of Broad-side coupled Split ring resonator metamaterial structure, National Seminar on 'Electroceramics' St. Aloysius College, Elthuruthu, Thrissur ,24<sup>th</sup>,25<sup>th</sup> February 2014
4. A novel flexible negative permeability metamaterial structure made of conducting wires, 3<sup>rd</sup> International Conference on 'Competency Building Strategies in Business and Technology for Sustainable Development' Sri Ganesh School of Business Management, Salem ,25<sup>th</sup> February 2014