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## Present Position

Assistant Professor, Department of Electronics and Communication Engineering, College of Engineering Guindy, Anna University, Chennai from January-2006.

## Previous Positions

- Lecturer, Department of Electronics and Communication Engineering, College of Engineering Guindy, Anna University, Chennai during February-2005 and December-2005.

## Other Employment

- Project Associate, SAMEER-Centre for Electromagnetics, Chennai for 6 Months.
- Lecturer, P.N. Polytechnic, Sankarankovil. for 1 year 9 months.
- Lecturer, Sree Sastha Institute of Engineering and Technology, Chennai for 6 months.
- Lecturer, Bharath Institute of Science and Technology, Chennai for 1 year 7 months.
- Lecturer, Sardar Raja College of Engineering, Alangulam for 6 months.
- TRA, GCT Coimbatore for 2 years, 6 months.

## Degree

- ❖ M.E. in ELECTRONICS AND COMMUNICATION ENGG , , Madurai Kamaraj University (1998 - 1999).
- ❖ B.E. in ELECTRONICS AND COMMUNICATION ENGG , , Manonmaniam Sundaranar University (1992 - 1996).

## Research Degree

- ❖ Ph.D. in EMI/EMC from Faculty of ICE, Anna University - 2013).  
Title: Studies on the Effects of EM radiation on Human Body.

## Area of Specialisation

- Electromagnetics and Antennas
- EMI/EMC
- Microwaves,Radars and Navigation
- Satellite Communication Systems

## Membership in Professional Organization

- Life Member of Society of EMC Engineers(India)
- Member of International Association of Engineers(America)

## Research Guidance

Number of M.E./ M.Tech. Projects : 15  
Guided

## Papers Published in Journals

Research Papers Published in International Journals : 11  
Research Papers Published in National Journals : 0

1. R.Seetharaman, " Study of SAR and Temperature distributions in Human Head using Mobile Phones", International Journal of Engineering Research and Industrial Applications, published by International Journal of Engineering Research and. Vol. 1, Issue 7, pp. 171-178 (2008).
2. R.Seetharaman, " Study of temperature increase in Human Head due to EM exposure", Journal of Information Intelligence and Knowledge, published by Nova Publishers. Vol. 2, Issue 3, pp. 203-212 (2010).
3. R.Seetharaman, B.Shibi Bharat, R.Sivaram, A.Vignesh, S.Vivek, " Printed Crescent shaped monopole antenna", International Journal of Applied Information Systems, published by Foundations of Computer Science. Vol. 5, Issue 8, pp. 22-25 (2012).
4. R.Seetharaman,R.Vijayaragavan and M.Pradeep, "Mitigating Performance Degradation in LTE Advance using relaying node", International Journal of Computer Applications, published by Foundations of Computer Science. Vol. 12, Issue 12, pp. 7-14 (2012).
5. R.Seetharaman and R.Vijayaragavan, "Femtocells:Smart Approach Analysis to Macrocells", International Journal of Computer Applications, published by Foundations of Computer Science. Vol. 46, Issue 12, pp. 17-24 (2012).

6. R.Seetharaman and R.Vijayaragavan, "Removal of random valued impulse noise by directional mean filter using statistical noise based detection", International Journal of Computer Applications, published by Foundations of Computer Science. Vol. 46, Issue 10, pp. 014-018 (2012).
7. R.Seetharaman, E.Gowtham Raj,P.Deva Saravanan T.Giridharan, N.Karthick Raj, " Printed Drop shaped monopole antenna", International Journal of Computer Applications, published by Foundations of Computer Science. Vol. 46, Issue 3, pp. 030-034 (2012).
8. R.Seetharaman,E. Gowtham Raj, P. Geethanjali , S. Hariram, " Printed Leaf shaped monopole antenna", International Journal of Computer Applications, published by Foundations of Computer Science. Vol. 43, Issue 5, pp. 006-013 (2012).
9. R.Seetharaman,E. Gowtham Raj, P. Geethanjali , S. Hariram, " Printed Anchor shaped monopole antenna", International Journal of Computer Applications, published by Foundations of Computer Science. Vol. 43, Issue 5, pp. 001-005 (2012).
10. R.Seetharaman, R.Guru Pratheep, G.Einstein, " Analysis of field exposure in skin cells at terahertz frequency range", International Journal of Recent and Innovative Trends in Computing and Communication, Vol. 3, Issue 3, pp. 915-918 (2015).
11. R.Seetharaman, T.Vije, " Analysis of BER for millimeter wave photonic integrated circuits ", International Journal of Electronics and Communication Engineering, Vol. 5, Issue 8, pp. 22-25 (2015).

## Papers Presented in Programmes

Research Papers Presented in International Programmes : 12  
Research Papers Presented in National Programmes : 2

1. Seetharaman, R., "Effects on Temperature Rise in Human Eyes due to Cell Phone Radiation" presented in a National level conference on Nat. Conf. Inf. and Comm. Converg., Chennai, organised by IEEE Madras Section, India from 21-Dec-2006 to 22-Dec-2006.
2. Seetharaman, R., "Effects of Electromagnetic Absorption in the Human Head due to Cell Phone Radiation - A Review" presented in a International level conference on Advanced Comm. Systems, organised by GCT,Coimbatore, India from 10-Jan-2007 to 12-Jan-2007.
3. Seetharaman, R., "Electromagnetic Absorption in Human Head" presented in a International level conference on Second EMPIRE Users Conf, organised by MaxSoft Technologies, India from 10-Apr-2007 to 10-Apr-2007.
4. Seetharaman, R., "Temperature Rise in the Human Head under EM Exposure" presented in a International level conference on Modeling and Simulation, organised by CIT,Coimbatore, India from 27-Aug-2007 to 29-Aug-2007.
5. Seetharaman, R., "Specific Absorption Rate in the Cell Phone User's Head" presented in a International level conference on Modeling and Simulation, organised by CIT,Coimbatore, India from 27-Aug-2007 to 29-Aug-2007.

6. Seetharaman, R., "Temperature Rise in the Cell Phone User's Head" presented in a International level conference on Modeling and Simulation, organised by University of Calcutta, India from 03-Dec-2007 to 05-Dec-2007.
7. Seetharaman, R. , "Comparison of Steady State Temperatures in Human Head Tissues for Mobile Phones" presented in a International level conference on Microwaves and Optoelectronics, organised by Babasaheb University, India from 17-Dec-2007 to 20-Dec-2007.
8. Seetharaman, R., "Estimation of SAR averaging in Human Head for Mobile Phones" presented in a International level conference on Electromag. Interfe. and Compat.,, organised by IEEE, India from 26-Nov-2008 to 27-Nov-2008.
9. Seetharaman, R., "Mobile Phone Antennas and its Radiation Patterns" presented in a International level conference on Electromag. Interfe. and Compat, organised by IEEE , India from 26-Nov-2008 to 27-Nov-2008.
10. Seetharaman, R. , "Mobile Phone Usage and Cancer," presented in a International level conference on Electromag. Interfe. and Compat., organised by IEEE, India from 26-Nov-2008 to 27-Nov-2008.
11. Seetharaman, R. , "FDTD Calculation of Specific Absorption Rate in Human Head by wireless communication devices " presented in a International level conference on Biomed. Inf. and Signal Processing, organised by IEEE Madras Section, India from 13-Mar-2009 to 14-Mar-2009.
12. K.Duraipandi and R.Seetharaman, "PCB Design for SAR reduction" presented in a National level conference on Advanced Computing andCommunication, organised by IEEE Madras Section, India from 07-Apr-2010 to 07-Apr-2010.
13. R.Bhagyalakshmi and R.Seetharaman, "Prediction of Temperature Increase in Human Head due to RF sources" presented in a International level conference on System Dynamics and Control, organised by Manipal Institute of Technology, India from 19-Aug-2010 to 22-Aug-2010.
14. H.Gomathi and R.Seetharaman, "Aspects of Mobile Phone Antenna Design for SAR reduction." presented in a International level conference on System Dynamics and Control, organised by Manipal Institute of Technology, India from 19-Aug-2010 to 22-Aug-2010.

## Programme Attended

1. Participated in a National level workshop on "Avoiding the Risks of Plagiarism in Research Publication " organized by IEEE Computer Society, Chennai, India on 03 May 2014.
2. Attended a National level Short Course on "electromagnetic interference and compatibility" organized by CEG Campus, Anna University, Chennai., India during 02-04 May 2007.
3. Attended a National level Short Course on " electromagnetic theory revisited " organized by MIT Campus, Anna University, Chennai., India during 26-27 January,2007.
4. Participated in a International level conference on " EMI/EMC" organized by IISc, Bangalore., India during Feb 23-24,2006.

5. Participated in a National level workshop on "EMI/EMC" organized by LRDE, Bangalore, India during Feb 21-22,2006.
6. Attended a National level Short Course on " Electromanetic Waves and Waveguides " organized by Anna University, Chennai., India during Dec 05-17 2005.
7. Attended a National level Short Course on "Antennas and Wave Propagation" organized by Anna University, Chennai, India during June 13-18,2005.
8. Attended a National level Short Course on "Microwave Engineering " organized by Anna University, Chennai., India during June 6-11,2005.
9. Attended a National level Short Course on "Re-engineering Teaching Skills " organized by Anna University, Chennai., India during May 3-5,2005.
10. Attended a National level Short Course on "FEM in Electrical Engineering Applications" organized by IIT, Kanpur, India during Dec 15-19,2004.
11. Participated in a National level workshop on "RF Electronics & Measurements" organized by National Engineering College, Kovilpatti, India during May 31- June 2,2004.
12. Participated in a National level workshop on "RF Basics & Measurements" organized by Jerusalem College of Engineering, Chennai. , India during Apr 15-16,2004.
13. Participated in a International level conference on "EMI/EMC" organized by SAMEER-CEM, Chennai. , India during Dec 18-19,2003.
14. Participated in a International level workshop on "EMI/EMC " organized by SAMEER-CEM, Chennai, India from 16-Dec-2003 to 17-Dec-2003.

### Invited Lectures

1. Delivered a Lecture on "Plane Waves" in Faculty Develop Programme on Electromagnetic Fields organized by Saveetha Engineering College, Chennai (11-Dec-2013).
2. Delivered a Lecture on "Overview of Electromagnetic Fields" in Invited lecture organized by Velammal Engineering College, Chennai (17-Jan-2014).
3. Delivered a Lecture on "Electric and Magnetic Fields in Materials" in Invited Lecture organized by S.A.Engineering College, Chennai (29-Jan-2014).
4. Delivered a Lecture on "Effects of Mobile Phone Radiation on Human Body" in Invited Lecture organized by Institution of Engineers(India) TN State Centre, Chennai (20-May-2014).
5. Delivered a Lecture on "Static Electric Fields" in Faculty Development Training Programme organized by M.N.M. Jain Engineering College, Chennai (17-Jun-2014).
6. Delivered a Lecture on "Electrostatics-I" in Faculty Development Training Programme on EE6302-ELECTROMAGNETIC THEORY organized by Arunai College of Engineering, Tiruvannamalai (20-Jun-2014).

7. Delivered a Lecture on "Magnetostatics" in Faculty Development Training Programme on EE6302-ELECTROMAGNETIC THEORY organized by Tagore Engineering College, Chennai (25-Jun-2014).
8. Delivered a Lecture on "Overview of Electromagnetic Fields" in Invited lecture organized by Velammal Engineering College, Chennai (25-Mar-2015).
9. Delivered a Lecture on "Microstrip lines and its medical applications" in Invited Lecture organized by St.josephs College of Engineering, Chennai (17-Jul-2015).
10. Delivered a Lecture on "Recent research challenges in EMC Engineering" in Invited Lecture organized by IIITKDM, Kancheepuram (13-Jun-2016).