


RAJESH MOHAN R		
PROFILE	Associate Professor (Electronics) Model Engineering College, Ernakulam. Email : rajesh@mec.ac.in Phone : +91 98461 38648	
EXPERIENCE	27 years (teaching; including 15 years as Institution Head)	
EDUCATION		
Ph.D (Microwave Imaging)	School of Engineering Cochin University of Science and Technology, Kerala	
M.Tech (Digital Systems & Communication Engineering)	Regional Engineering College, Kozhikode University of Calicut	
B.Tech (Electronics & Communication Engineering)	College of Engineering, Trivandrum University of Kerala	
AREAS OF INTEREST		
Digital System Design, Signal Processing, Image Processing, Antennas & Microwaves		
PUBLICATIONS		
International Journals		
Rajesh Mohan R, S Mridula and P Mohanan, "Study and Analysis of Dielectric Behaviour of Fertilized Soil at Microwave Frequency, European Journal of Advances in Engineering and Technology, Vol.2, Issue 2, pp. 73-79, 2015.		
Raman Menon Rajesh Mohan , Shanta Mridula and Pezholil Mohanan, "Artificial Neural Network Model for Soil Moisture Estimation at Microwave Frequency" Progress In Electromagnetics Research M, Vol. 43, 175181, 2015		
International Conferences		
1. R Rajesh Mohan, Binu Paul, S Mridula and P Mohanan, "ANN Model for Material Characterization", 2nd International Conference on Advanced Functional Materials (ICAFM 2014), Thiruvananthapuram, India, pp. 112-113, February 19-21, 2014.		

2. Rajesh Mohan R, Binu Paul, Mridula S and Mohanan P, "Measurement of Soil Moisture Content at Microwave Frequencies", Procedia Computer Science (ICICT 2014), Vol. 46, pp. 1238-1245, 3-5 Dec. 2014

3. A S Pathma Priyaa, Adil Mohammed, Ambili C, Anusree N S, Anne Varghese Thekekara, Rajesh Mohan R and S. Mridula, "Microwave Sensor Antenna for Soil Moisture Measurement", 2015 Fifth International Conference on Advances in Computing and Communications(ICACC), RSET, Kakkanad, Kochi, Sep. 2-4, 2015.

4. R Rajesh Mohan, Anju Pradeep, S Mridula and P Mohanan, "Microwave Imaging for Soil Moisture Content Estimation", 2016 IEEE International Symposium on Antennas and Propagation (APSURSI), Fajardo, Puerto Rico, 26 June-1 July, 2016

5. Rajesh Mohan R, S Mridula and P Mohanan, "Speckle Noise Reduction in Images using Wiener Filtering and Adaptive Wavelet Thresholding", 2016 IEEE Region 10 Conference (TENCON), Singapore, 22-25 Nov. 2016.

National Conferences

Lakshmi Priya R, Midhu S Valsan, Mohammed Anas M, Neethu Mohan, Nidhiya Shaji, Rajesh Mohan R and S Mridula, "Microwave Sensing of Properties", Proc. 4th National Technological Congress, Kerala (NATCON-2014), Government Engineering College, Wayanad, pp.168-173, February 20-21, 2014

Revathy Nagesh, Rajesh Mohan, "A Survey on Dispersion Management using Optical Solitons in Optical Communication System", Elseviers Science Direct Procedia Technology, Vol.25C, pp.552-559, DOI.10.1016/j.protcy.2016.08.144

COURSES HANDLED

Sl. No	Course Name	UG / PG
1	Basic Electronics	UG (I year, EC, CUSAT)
2	Communication Engineering	UG (III year, EC, CUSAT) UG (III year, EC {PT}, CUSAT)
3	Microwave Techniques & Devices	UG (III year, EC, CUSAT) UG (III year, EC {PT}, CUSAT)
4	Electronic Instrumentation	UG (II year, EC, CUSAT) UG (II year, EC {PT}, CUSAT)
5	Microwave & Radar Engineering	UG (IV year, EC, CUSAT)
6	Digital Electronics	UG (II year, EC & BE, CUSAT)
7	Logic Circuit Design	UG (II year, EC, KTU)
8	Analog Communication Engineering	UG (II year, EC, KTU)
9	Radar & Navigation	UG (IV year, EC, CUSAT)

10	Antennas & Wave Propagation	UG (IV year, EC, CUSAT)
11	Data Communication	UG (II year, CS, CUSAT)
12	Modern Control Systems	UG (III year, EC, CUSAT)
13	Digital Signal Processing	UG (III year, EC, CUSAT)
14	Electronic Circuits	UG (II year, EC, CUSAT)
15	Linear Integrated Circuits & Micro Electronics	UG (III year, EC, CUSAT)
16	Network Theory	UG (II year, EC & BE, CUSAT)
17	Electromagnetic Field Theory	UG (III year, EC, CUSAT)
OTHER DUTIES / RESPONSIBILITIES		
Staff Advisor of 1991-95 Batch CSE students, MEC		
Member, Institutional Technical & Purchase Committees, MEC		
Head of Section & Deputy Director at 5 associate institutions of IHRD		
Principal at 7 associate institutions of IHRD		
Chairman, Syllabus (Framing & Revision) Committee of IHRD Polytechnic Colleges		
Training & Placement Officer at 2 Engineering Colleges under IHRD		
Chairman, Staff Selection Committee, Regional VHSE, Kozhikode		