COCHIN

Name:	**Mohanan. P**
Department :	**Department of Electronics**
Contact Details **Address for communication** **Email** **Phone** **Intercom**	 **Professor, Department of Electronics, Cochin University of Science & Technology, Cochin 682 022.** **drmohan@cusat.ac.in, drmohan@gmail.com** **9447325765** **2336/2339**

1. Academic Background

Qualifications:	
Qualifying Post Graduate Degree:	
Ph. D with NET	
Ph. D without NET	Ph. D without NET
Post Graduate Degree(s)	
Under Graduate Degree(s):	
Any other PG degree/ Diploma relevant to the subject:	

2. Research Performance

2.1 Each published /accepted paper in Journal/conferences

SI. No	Authors (As published in the paper)	Title	Journal	Year	Volume	Page No

1.	M Sumi, CM Nijas, R Dinesh, S Mridula, P Mohanan	Spectral signature-encoded chipless RFID tag with planar multiresonators	Journal of Electromagnetic Waves and Applications,	2014		1-10
2.	R Anitha, VP Sarin, P Mohanan, K Vasudevan	Enhanced isolation with defected ground structure in MIMO antenna	Electronics Letters	2014	50	1784-1786
3	Mathew S.Anitha R. Roshna T. K. Nijas C.M. Aanandan C.K. Mohanan P Vasudevan K.	A Fan-Shaped Circularly Polarized Patch Antenna for UMTS Band.	Progress In Electromagnetics Research C	2014	52	101-107
	Jacob S.Lindo A. O. Nijas C.M.Aanandan C.K.Mohanan P.	Analysis of CPW-Fed UWB Antenna for WiMAX and WLAN Band Rejection	Progress In Electromagnetics Research C	2014	52	83-92
5	Vinesh P.V.Nijas C.M.Anitha R.Vivek R.Aanandan C. K.Mohanan P.Vasudevan K	A Compact Capacitive Coupled Dual-Band Planar Inverted F Antenna	Progress In Electromagnetics Research C	2014	52	93-99
6	Bindu C. J. Mridula SMohanan P	High Selectivity Filter Employing Stepped Impedance Resonators Series Capacitors and Defected Ground Structures for Ultra Wide Band Applications	Progress In Electromagnetics Research C	2014	49	123-131
7	Roshna T.K. Deepak U.Sajitha V.R. Vasudevan K.Mohanan P	Modified Bowtie Antenna for Zeroth Order Resonance	Progress In Electromagnetics Research C	2014	48	45-52
8	Pushpakaran S.V. Raj R.K.Vineash P. V Mohanan P.Vasudevan K	A Metaresonator Inspired Dual Band Antenna for Wireless Applications	IEEE Antennas and Propagation	2014	62	2287-2291
9	Deepak U.Roshna	Compact CPW fed electrically small	Electronics Letters	2014	50	62-63

	T.K.Nijas C.M.Mohanan P	antenna for WLAN application				
10	Sumi M. Dinesh R. Nijas C.M. Mridula S. Mohanan P	Frequency Coded Chipless RFID Tag using Spurline Resonators	Radioengineering	2014	23	203-208
11	Dinesh R. Vinod V. K. T. Anila P. V.Jithin P. Deepak U.Mohanan P	A compact zeroth-order directional antenna	Microwave and Optical Technology Letters	2014	56	929-932
12	Anila P.V.Indhu K.K.Nijas C.M.Sujith R. Mridula S.Mohanan P	A planar compact metamaterial-inspired broadband antenna	Microwave and Optical Technology Letters	2014	56	610-613
13	Raman S. Mohanan P. Timmons N. and Morrison	Microstrip-fed pattern- and polarization- Reconfigurable compact truncated monopole antenna	J. *IEEE Antennas and Wireless Propagation Letters*	2013	12	710-713
14	. Pushpakaran S.V. Seidmuhammed N.M.Raj R.K.Pradeep A.Mohanan P. and Vasudevan K	A compact stacked dipole antenna with directional radiation coverage for wireless communications	*IEEE Antennas and Wireless Propagation Letters*	2013	12	841-844
15	Krishnaprasad P.S. Mohanan P. Subodh G. Sebastian M.T. and Jayaraj M.K	A novel $Sr_3Pb_6Ce_2Ti_{12}O_{36}$ ferroelectric thin film grown by pulsed laser ablation.	*Applied Physics A: Materials Science and Processing*	2013	1	
16	Nair S.M.Shameena V.A. Sreenath S. Mohanan P.	Slotline-fed ultracompact antenna for wide band applications	*Microwave and Optical Technology Letters*	2013	55	526
17	Laila D Sujith R Shameena V.A.Nijas	Complementary split ring resonator-based microstrip antenna for compact wireless applications.	*Microwave and Optical Technology Letters*	2013	55	814

	C.M.Sarin V.P. Mohanan P					
18	Dinesh R. Vinod V. K. T. Sarin V.P. Shameena V.A.Mohanan P.	Asymmetrical grounded CPW-fed antenna for WLAN applications.	*Microwave and Optical Technology Letters*	2013	55	2739`
19	Shameena V.A. Mridula S.Pradeep A. Jacob S. Lindo A.O. Mohanan P.	A compact CPW fed slot antenna for ultra wide band applications	*Polymer - Plastics Technology*	2012	66	189
20	Nijas C.M. Dinesh R. Deepak U. Rasheed A. Mridula S. Vasudevan K. Mohanan P	Chipless RFID tag using multiple microstrip open stub resonators.	*IEEE Transactions on Antennas and Propagation*	2012	60	4429
21	Nair Sreejith M. Shameena V.A. M. Nijas Mohanan P	Novel chipless RF identification technology for on-touch data transfer applications.	*Microwave and Optical Technology Letters*	2012	54	2325
22	Nair S.M. Shameena V.A. Nijas C.M. Aanandan C.K.. Vasudevan K. Mohanan P	Slot line fed dual-band dipole antenna for 2.4/5.2 GHz WLAN applications.	*International Journal of RF and Microwave Computer-Aided Engineering*	2012	22	581
23	Jacob S. Shameena V.A. Mridula S. Anandan C.K. Vasudevan K. Mohanan P	Planar UWB antenna with modified slotted ground plane	*International Journal of RF and Microwave Computer-Aided Engineering*	2012	22	594
24	Vishnu V. Nithyaja B. Pradeep C. Sujith R. Mohanan P. Nampoori V. P. N	Studies on the effect of mobile phone radiation on DNA using laser induced fluorescence technique	*Laser Physics*	2011	21	1945
25	Tony D. Sarin V.P.	CPW-fed-slot planar antenna for	*Microwave and Optical*	2011	53	2501

	Nishamol M.S. Anandan C.K. Mohanan P. and Vasudevan K	wireless applications	*Technology Letters*			
26	Sujith R. Mridula S. Laila D. Aanandan C.K. Vasudevan K. Mohanan P	Compact CPW-Fed slot antenna with harmonic suppression	*International Journal of RF and Microwave Computer-Aided Engineering*	2011	21	543
27	Sujith R. Deepu V. Mridula S. Paul B. Laila D. Mohanan	Compact CPW-fed uniplanar antenna for multiband wireless applications	P *AEU - International Journal of Electronics and Communications*	2011	65	553
28	Sasikala T. S. Raman S. Mohanan P. Pavithran and Sebastain M.T	Effect of silane coupling agent on the dielectric and thermal properties of DGEBA-forsterite composites	*Journal of Polymer Research*	2011	18	811
29	Saritha Chandran A. Narayanankutty S. K. Mohanan P.	Microwave characteristics of polyaniline based short fiber reinforced chloroprene rubber composites	*Polymer - Plastics Technology and Engineering*	2011	50	453
30	Sarin V.P. Nishamol M. S. Tony D. Aanandan C.K.. Mohanan P. Vasudevan K	A broadband L-strip fed printed microstrip antenna	*IEEE Transactions on Antennas and Propagation*	2011	59	281
31	Sarin V.P. Nishamol M. S. Tony D. Aanandan C.K.. Mohanan P. Vasudevan K	A wideband stacked offset microstrip antenna with improved gain and low cross polarization	*IEEE Transactions on Antennas and Propagation*	2011	59	1376
32	Pradeep A. Mridula S. Mohanan P	Design of an edge-coupled dual-ring split-ring resonator	*IEEE Antennas and Propagation Magazine*	2011	53	45-54
33	Nishamol M.S. Sarin V.P. Tony D.	Varactor controlled frequency and polarization reconfigurable microstrip	*International Journal of RF and Microwave Computer-Aided*	2011	21	680

	Anandan C. K. Mohanan P. Vasudevan K	antenna	*Engineering*			
34	Nishamol M.S. Sarin V.P. Tony D. Aanandan C.K.. Mohanan P. Vasudevan K	Design of a circularly polarized rectangular microstrip antenna for GPS applications	*Microwave and Optical Technology Letters*	2011	53	468
35	Nishamol M.S. Sarin V.P. Tony D. Aanandan C.K.. Mohanan P. Vasudevan K	An electronically reconfigurable microstrip antenna with switchable slots for polarization diversity	*IEEE Transactions on Antennas and Propagation*	2011	59	3424
36	Nair S.M.Shameena V.A. Dinesh R. P. Mohanan.	Compact semicircular directive dipole antenna for UWB applications	*Electronics Letters*	2011	47	1260-61
37	S. George Sebastian M.T. Raman S.Mohanan P	Novel low loss low permittivity glass-ceramic composites for LTCC applications.	*International Journal of Applied Ceramic Technology*	2011	8	172
38	S. Thomas Raman S.Mohanan P. Sebastain M.T.	Effect of coupling agent on the thermal and dielectric properties of PTFE/$Sm_2Si_2O_7$ composites *Composites*	*Part A: Applied Science and Manufacturing*	2010	41	1148
39	Thomas P. M. Gopikrishna Aanandan C.K.. Mohanan P. Vasudevan K	A compact pentagonal monopole antenna for portable UWB systems	*Microwave and Optical Technology Letters*	2010	52	2390
40	Sunny V. Kurian P.Mohanan P. Joy P. A. and Anantharaman M. R	A flexible microwave absorber based on nickel ferrite nanocomposite	*Journal of Alloys and Compounds*	2010	489	297
41	Sunny V. Kumar D.	Nickel/carbon hybrid nanostructures	*Materials Letters*	2010	64	1130

	S.Mohanan P. Anantharaman. M. R.	as microwave absorbers				
42	Sujith R. Mridula S. Binu P. Laila D. Dinesh R. Mohanan P	Compact CPW-fed ground defected H-shaped slot antenna with harmonic suppression and stable radiation characteristics.	*Electronics Letters*	2010	46	812
43	Nishamol M.S. Sarin V.P. Tony D. Aanandan C.K.. Mohanan P. Vasudevan K	A broadband microstrip antenna for IEEE802.11.A/WIMAX/HIPERLAN2 applications	*Progress In Electromagnetics Research Letters*	2010	19	155
44	Mythili P. Mridula S. Paul B. Mohanan P	Design of compact microstrip antennas using a modified ground plane	*Microwave and Optical Technology Letters*	2010	52	2748
45	Laila D.Sujith R. Sreejith M. Aanandan C.K.. Vasudevan K.Mohanan P.	Mobile antenna with reduced radiation hazards towards human head	*Progress In Electromagnetics Research Letters*	2010	17	39
46	. Jitha B. Bybi P.C.Aanandan C.K. Mohanan P. Vasudevan K.	Compact bandpass filter using folded loop resonator with harmonic suppression	*Progress In Electromagnetics Research Letters*	2010	14	69
47	George S. Deepu V. N. Mohanan P. Sebastain M.T	Influence of Ca[(Li1/3Nb2/3)0.8Ti 0.2]O3-γ filler on the microwave dielectric properties of polyethylene and polystyrene for microelectronic applications	*Polymer Engineering and Science*	2010	50	570
48	J. Chameswary K. Jithesh S. George Raman S.Mohanan P. Sebastain M.T	PTFE-SWNT composite for microwave absorption application	*Materials Letters*	2010	64	743

49	Anjana P. S. Deepu V. Uma S. Mohanan P. Philip J. Sebastain M.T	Dielectric thermal and mechanical properties of CeO2-filled HDPE composites for microwave substrate applications	*Journal of Polymer Science Part B: Polymer Physics*	2010	48	998
50	Thomas S. Deepu V. Uma S. Mohanan P. Philip J. Sebastain M.T.	Preparation characterization and properties of Sm2Si2O7 loaded polymer composites for microelectronic applications	*Materials Science and Engineering B: Solid-State Materials for Advanced Technology*	2009	163	67
51	Sujith R. Deepu V. Laila D.Aanandan C.K.. Vasudevan K.Mohanan P	A Compact dual-band modified t-shaped cpw-fed monopole antenna	*Microwave and Optical Technology Letters*	2009	51	937
52	Subodh G.Deepu V. Mohanan P. and Sebastain M.T	Polystyrene/$Sr_2Ce_2Ti_5O_{15}$ composites with low dielectric loss for microwave substrate applications.	*Polymer Engineering and Science*	2009	49	1218
53	G. Subodh Deepu V. Mohanan P. and Sebastain M.T	Dielectric response of high permittivity polymer ceramic composite with low loss tangent	*Applied Physics Letters*	2009.		
54	Subodh G.Deepu V. Mohanan P. Sebastain M.T	Dielectric response of Sr2Ce2Ti5O 15 ceramics reinforced high density polyethylene	*Journal of Physics D: Applied Physics*	2009.	42	
55	Sarin V.P. N. Nassar Deepu V. Aanandan C.K.. Mohanan P. and Vasudevan K	Wideband printed microstrip antenna for wireless communications.	*IEEE Antennas and Wireless Propagation Letters*	2009	8	779
56	Laila D.Deepu V. Sujith R. Aanandan C.K.. Vasudevan K.Mohanan P	Compact asymmetric coplanar strip-fed antenna for wideband applications	*Microwave and Optical Technology Letters*	2009	51	1170
57	D. D. Krishna M. Gopikrishna Aanandan C.K.. Mohanan P. and	Ultra-wideband slot antenna with band-notch characteristics for wireless USB dongle applications.	*Microwave and Optical Technology Letters*	2009	51	1500

	Vasudevan K					
58	D. D. Krishna M. Gopikrishna Aanandan C.K.. Mohanan P. and Vasudevan K	Compact wideband Koch fractal printed slot antenna	*IET Microwaves Antennas and Propagation*	2009	3	782
59	E. M. A. Jamal Mohanan P. P. A. Joy P. Kurian and M. R. Anantharaman	Effect of nickel nanofillers on the dielectric and magnetic properties of composites based on rubber in the X-band	*Applied Physics A: Materials Science and Processing*	2009	97	157
60	J. Honkamo H. Jantunen G. Subodh Sebastian M.T. Mohanan P	Tape casting and dielectric properties of Zn2Te3 O8-Based ceramics with an ultra-low sintering temperature	*International Journal of Applied Ceramic Technology*	2009	6	531
61	M. Gopikrishna D. D. Krishna C. K. Anandan Mohanan P. and K. Vasudevan	Design of a compact semi-elliptic monopole slot antenna for UWB systems	*IEEE Transactions on Antennas and Propagation.*	2009	57	1834
62	M. Gopikrishna D. D. Krishna Aanandan C.K.. Mohanan P. and Vasudevan K	Design of a microstip fed step slot antenna for UWB communication.	*Microwave and Optical Technology Letters*	2009	51	1126
63	. S. George P. S. Anjana V. N. Deepu Mohanan P. and Sebastain M.T.	Low-temperature sintering and microwave dielectric properties of Li 2MgSiO4 Ceramics	*Journal of the American Ceramic Society*	2009 .	92	1244
64	Deepu V. Sujith R. Mridula S.Aanandan C.K.. Vasudevan K.Mohanan P	ACS FED printed F-shaped uniplanar antenna for dual band WLAN applications	*Microwave and Optical Technology Letters*	2009	51	1852
65	Deepu V. Mridula S.Sujith R. Mohanan	Slot line fed dipole antenna for wide band applications	*Microwave and Optical Technology Letters*	2009	51	826

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66	S. Thomas V. N. Deepu Mohanan P. and Sebastain M.T	Effect of filler content on the dielectric properties of PTFE/ZnAl 2O4-TiO2 composites	*Journal of the American Ceramic Society*	2008	91	1971
67	Sasikala T. S. Suma M.N.Mohanan P. Pavithran C. Sebastain M.T	Forsterite-based ceramic-glass composites for substrate applications in microwave and millimeter wave communications	*Journal of Alloys and Compounds*	2008	461	555
68	Sarin V.P. Nishamol M.S. Augustin G.Mohanan P. Aanandan C.K.. Vasudevan K	An electromagnetically coupled dual-band dual-polarized microstrip antenna for WLAN applications.	*Microwave and Optical Technology Letters.*	2008	50	1867
69	Rajesh S. Murali K. P. Priyadarsini V. Potty S. N. Ratheesh R.Mohanan P	Microwave dielectric properties of rutile filled PEEK composites *Polymer*	*Plastics Technology and Engineering*	2008	47	242
70	M. S. Nisha Sarin V.P. A. Gijo Deepu V. C. K. Anandan Mohanan P. and Vasudevan K.	Compact dual frequency dual polarized cross patch antenna with an X-slot	*Microwave and Optical Technology Letters*	2008	50	3198
71	D. D. Krishna M. Gopikrishna C. K. Anandan Mohanan P. and Vasudevan K	CPW-fed Koch fractal slot antenna for WLAN/WiMAX applications	*IEEE Antennas and Wireless Propagation Letters.*	2008	7	389
72	D. D. Krishna M. Gopikrishna Aanandan C.K.. Mohanan P. and Vasudevan K.	Compact dual band slot loaded circular microstrip antenna with a superstrate	*Progress in Electromagnetics Research*	2008	83	245
73	Krishna D. D. Gopikrishna	Ultra-wideband slot antenna for wireless USB dongle applications.	*Electronics Letters*	2008	44	1057`

	M.Aanandan C.K.. Mohanan P. and Vasudevan K.					
74	Jitha B. Bybi P.C.Aanandan C.K.. Mohanan P.	Microstrip band rejection filter using open loop resonator	*Microwave and Optical Technology Letters*	2008	50	1550
75	M. Gopikrishna D. D. Krishna Aanandan C.K.. Mohanan P. and Vasudevan K	Compact linear tapered slot antenna for UWB applications	*Electronics Letters*	2008	44	1174-1176.
76	Bybi P.C.G. Augustin Jitha B. Aanandan C.K.. Vasudevan K.Mohanan P	A quasi-omnidirectional antenna for modern wireless communication gadgets	*IEEE Antennas and Wireless Propagation Letters.*	2008	7	505
77	G. Augustin Bybi P.C.Sarin V.P. Mohanan P. Aanandan C.K.. and Vasudevan K	A compact dual-band planar antenna for DCS-1900/PCS/PHS WCDMA/IMT-2000 and WLAN Applications.	*IEEE Antennas and Wireless Propagation Letters*	2008	7	108
78	P. S. Anjana Sebastian M.T. Suma M.N.Mohanan P.	Low dielectric loss PTFE/CeO2 ceramic composites for microwave substrate applications	*International Journal of Applied Ceramic Technology*	2008	5	325
79	Suma M.N. Bijumon P.V.Sebastian M.T. Mohanan P.	A compact hybrid CPW fed planar monopole/dielectric resonator antenna.	*Journal of the European Ceramic Society.*	2007	27	3001
80	G. Subodh C. Pavithran Mohanan P. and Sebastain M.T	PTFE/Sr2Ce2Ti5O16 polymer ceramic composites for electronic packaging applications.	*Journal of the European Ceramic Society*	2007	27	3039
81	G. Subodh Joseph	Low dielectric loss	*Journal of the American*	2007	90	3507

	M. Mohanan P. and Sebastain M.T.	polytetrafluoroethylene/TeO2 polymer ceramic composites.	*Ceramic Society*			
82	Mohanan P. Mridula S.BinuPaul Suma M.N. Bijumon P.V.and Sebastain M.T	FDTD analysis of rectangular dielectric resonator antenna	*Journal of the European Ceramic Society*	2007	27	2753
83	. K. F. Jacob Suma M.N.Raj R.K.Joseph M. Mohanan P.	Planar branched monopole antenna for UWB applications	*Microwave and Optical Technology Letters*	2007	49	45
84	Deepu V. K. R. Rohith J. Manoj Suma M.N.Vasudevan K.Aanandan C.K.. Mohanan P	Compact uniplanar antenna for WLAN applications.	*Electronics Letters*	2007	43	70
85	Deepu V. Raj R.K.Joseph M. Suma M.N.Mohanan P.	Compact asymmetric coplanar strip fed monopole antenna for multiband applications	*IEEE Transactions on Antennas and Propagation*	2007	55	2351
86	Chandran A.R. M. Gopikrishna Aanandan C.K.. Mohanan P. and Vasudevan K.	Scattering behaviour of fractal based metallo-dielectric structures	*. Progress in Electromagnetics Research*	2007	69	323
87	K. Surendran P . Mohanan P. and Sebastain M.T.	Microwave dielectric properties of Ba(Mg1/3Ta (2-2x)/3Wx/3Tix/3)O3 ceramics	*Materials Research Bulletin*	2006	41	784
88	Suma M.N.Raj R.K.Joseph M. Bybi P.C.Mohanan P.	A compact dual band planar branched monopole antenna for DCS/2.4-GHz WLAN applications.	*IEEE Microwave and Wireless Components Letters*	2006	16	275
89	Suma M.N.Bybi P.C.Mohanan P.	A wideband printed monopole antenna for 2.4-GHz WLAN applications.	*Microwave and Optical Technology Letters.*	2006	48	871

90	S. V. Shynu G. Augustin Aanandan C.K.. Mohanan P. and K. Vasudevan	C-shaped slot loaded reconfigurable microstrip antenna	*Electronics Letters*	2006	42	316
91	S. V. Shynu G. Augustin Aanandan C.K.. Mohanan P. and Vasudevan K	Design of compact reconfigurable dual frequency microstrip antennas using varactor diodes	*Progress in Electromagnetics Research*	2006	60	197
92	Shameena V.A.Suma M.N.K. R. Rohith Bybi P.C.Mohanan P	Compact ultra-wideband planar serrated antenna with notch band ON/OFF control.	*Electronics Letters.*	2006	42	1323
93	Raj R.K.Joseph M. Aanandan C.K.. Vasudevan K.Mohanan P	A new compact microstrip-fed dual-band coplanar antenna for WLAN applications.	*IEEE Transactions on Antennas and Propagation.*	2006	54	3755
94	D. D. Krishna Aanandan C.K.. Mohanan P. and Vasudevan K	Circular microstrip antenna with a sector-slot for dual-port operation	*Microwave and Optical Technology Letters*	2006	48	505
95	Joseph M. Raj R.K.Suma M.N.Mohanan P.	Compact dual-band antenna for DCS/2.4 GHz WLAN applications.	*Microwave and Optical Technology Letters*	2006	48	856
96	Jitha B. C. S. Nimisha Aanandan C.K.. Mohanan P. and Vasudevan K	SRR loaded waveguide band rejection filter with adjustable bandwidth.	*Microwave and Optical Technology Letters*	2006	48	1427
97	K. Francis Jacob Suma M.N.Joseph M. Mohanan P	Wide band dumbbell-shaped patch antenna	*Microwave and Optical Technology Letters*	2006	48	2295
98	D. Das Krishna M. Gopikrishna Aanandan C.K..	Compact dual-polarised square microstrip antenna with triangular slots for wireless communication.	*Electronics Letters*	2006	42	894

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99	Chandran A.R. M. Gopikrishna Aanandan C.K.. Mohanan P. and Vasudevan K	Radar cross-section enhancement of dihedral corner reflector using fractal-based metallo-dielectric structures	*Electronics Letters*	2006	42	1135
100	Bijumon P.V. Menon S.K. Suma M.N.Lethakumary B. Sebastian M.T. Mohanan P.	Broadband elliptical dielectric resonator antenna	*Microwave and Optical Technology Letters*	2006	48	65-67
101	G. Augustin S. V. Shynu Mohanan P. Aanandan C.K.. and Vasudevan K.	Compact dual-band antenna for wireless access point	*Electronics Letters*	2006	42	502
102	G. Augustin S. V. Shynu Mohanan P. Aanandan C.K.. and Vasudevan K	Reactive loaded microstrip leaky wave antenna for low cost beam steering applications	*Microwave and Optical Technology Letters*	2006	48	2299
103	C. K. Anandan C. S. Nimisha Jitha B. Mohanan P. and Vasudevan K	Transmission properties of microstrip lines loaded with split ring resonators as superstrate.	*Microwave and Optical Technology Letters*	2006	48	2280
104	. K. Surendran P . Sebastian M.T. Mohanan P. R. L. Moreira and A. Dias.	Effect of nonstoichiometry on the structure and microwave dielectric properties of Ba(Mg0.33Ta0.67)O3	*Chemistry of Materials*	2005	17	142
105	Surendran K.P. Sebastian M.T. Mohanan P. Jacob.M.V	The effect of dopants on the microwave dielectric properties of $Ba(Mg_{0.33}Ta_{0.67})O_3$ ceramics	*Journal of Applied Physics*2005		98	094114

106	K. Surendran P . Bijumon P.V.Mohanan P. and Sebastain M.T.	(1-x)MgAl2O4-xTiO2 dielectrics for microwave and millimeter wave applications	*Applied Physics A: Materials Science and Processing*	2005	81	823
107	Suma M.N. Menon S.K. Bijumon P.V.Sebastian M.T. Mohanan P.	Rectangular dielectric resonator antenna on a conductor-backed co-planar waveguide	*Microwave and Optical Technology Letters*	2005	45	154
108	S. V. Shynu G. Augustin Aanandan C.K.. Mohanan P. and Vasudevan K	A reconfigurable dual-frequency slot-loaded microstrip antenna controlled by pin diodes.	*Microwave and Optical Technology Letters.*	2005	44	374
109	S. V. Shynu G. Augustin Aanandan C.K.. Mohanan P. and Vasudevan K.	Development of a varactor-controlled dual-frequency reconfigurable microstrip antenna	*Microwave and Optical Technology Letters*	2005	46	375
110	Raj R.K.Joseph M. Paul B. Mohanan P.	Compact planar multiband antenna for GPS DCS 2.4/5.8 GHz WLAN applications.	*Electronics Letters*	2005	41	290
111	Menon S.K. Vasudevan K.Aanandan C.K.. Mohanan P.	Compact asymmetric coplanar waveguide filter	*Electronics Letters*	2005	41	649
112	Menon S.K. Vasudevan K.Aanandan C.K.. Mohanan P.	Design and analysis of microstrip lines with EBG-backed ground planes of different geometrical shapes.	*Microwave and Optical Technology Letters*	2005	46	544
113	Menon S.K. Lethakumary B. Bijumon P.V.Sebastian M.T. Mohanan P.	L-strip-fed wideband rectangular dielectric resonator antenna.	*Microwave and Optical Technology Letters*	2005	45	227
114	Lethakumary B.	Wideband microstrip antenna using	*Microwave and Optical*	2005	44	169

	Menon S.K. P. Francis Aanandan C.K.. Vasudevan K.Mohanan P.	hook-shaped feed.	*Technology Letters*			
115	Bijumon P.V.Sebastian M.T. Mohanan P.	Experimental investigations and three-dimensional transmission line matrix simulation of $Ca_{5-x}A_xB_2TiO_{12}$ (A=Mg Zn Ni and Co B=Nb and Ta) ceramic resonators	*Journal of Applied Physics*	2005	98	124105
116	Bijumon P.V.Sebastian M.T. A. Dias R. L. Moreira Mohanan P.	Low-loss $Ca_{5-x}Sr_xA_2TiO_{12}$ [A=Nb Ta] ceramics: Microwave dielectric properties and vibrational spectroscopic analysis	*Journal of Applied Physics.*	2005	97	104
117	Bijumon P.V. Menon S.K. Suma M.N.Sebastian M.T. Mohanan P.	Broadband cylindrical dielectric resonator antenna excited by modified microstrip line.	*Electronics Letters*	2005	41	385
118	Bijumon P.V. Menon S.K. Suma M.N.B. Lethakumari Sebastian M.T. Mohanan P	T-strip-fed high-permittivity rectangular dielectric resonator antenna for broadband applications.	*Microwave and Optical Technology Letters.*	2005	47	226
119	G. Augustin S. V. Shynu Aanandan C.K.. Mohanan P. and Vasudevan K.	A novel electronically scannable log-periodic leaky-wave antenna.	*Microwave and Optical Technology Letters.* 2005.45 163			
120	K. Surendran P . N. Santha Mohanan P. and Sebastian M.T.	Temperature stable low loss ceramic dielectrics in (1-x)ZnAl 2O4-xTiO2 system for microwave substrate applications	*European Physical Journal B.*	2004	41	301
121	K. Surendran P . Mohanan P. and	The effect of glass additives on the microwave dielectric properties of	*Journal of Solid State Chemistry*	2004	177	4031

	Sebastian M.T.	Ba(Mg 1/3Ta 2/3)O 3 ceramics				
122	Sreemoolanadhan H.Sebastian M.T. Ratheesh R. Blachnik R. Woehlecke M. Schneider B. Neumann M.Mohanan P.	Microwave dielectric properties of BaO-2CeO 2-nTiO . *Journal of Solid State Chemistry* 2 ceramics		2004		3995
123	Santha N. I. Sebastian M.T. Mohanan P. Alford N. M. N. Sarma K. Pullar R. C. Kamba S. Pashkin A. Samukhina P. Petzelt	Effect of doping on the dielectric properties of cerium oxide in the microwave and far-infrared frequency range.	J. *Journal of the American Ceramic Society*	2004		
124	Raj R.K. Kundukulam S.O. Aanandan C.K.. Vasudevan K.Mohanan P. Kumar. P.	Compact amplifier integrated microstrip antenna.	*Microwave and Optical Technology Letters.*	2004		
125	Paul B. Mridula S.Mohanan P. Bijumon P.V. Sebastain M.T.	A compact very-high-permittivity dielectric-eye resonator antenna for multiband wireless applications	*Microwave and Optical Technology Letters*	2004	43	118
126	Mridula S. Menon S.K. Mohanan P. Bijumon P.V. Sebastian M.T.	Characteristics of a microstrip-excited high-permittivity rectangular dielectric resonator antenna.	*Microwave and Optical Technology Letters*	2004	40	0.585
127	Menon S.K. Lethakumary B.	Wideband cylindrical dielectric resonator antenna excited using an L-	*Microwave and Optical Technology Letters*	2004	42	293

	Mohanan P. Bijumon P.V. Sebastian M.T.	strip feed				
128	Aanandan C.K.. Vasudevan K.Mohanan P.	L-strip excited wideband rectangular microstrip antenna. Lethakumary B. Menon S.K.	*Microwave and Optical Technology Letters*	2004	42	173
129	Lethakumary B. Menon S.K. Aanandan C.K.. Vasudevan K.Mohanan P	FDTD analysis of a symmetric T-strip FED wideband rectangular microstrip antenna	*Microwave and Optical Technology Letters*	2004	43	332
130	Joseph M. Paul B.Raj R.K.Mohanan P	Compact wideband antenna for 2.4 GHz WLAN applications	*Electronics Letters.*	2004	40	1460
131	Jawahar I. N.Sebastian M.T. Mohanan P.	Microwave dielectric properties of $Ba_{5-x}Sr_xTa_4O_{15}$ $Ba_5Nb_xTa_{4-x}O_{15}$ and Sr5NbxTa$_4$-xO_{15} ceramics	*Materials Science and Engineering B: Solid-State Materials for Advanced Technology*	2004	106	207
132	Chandran A.R. Mathew T.Aanandan C.K.. Mohanan P. and Vasudevan K.	Low backscattered dual-polarised metallo-dielectric structure based on Sierpinski carpet.	*Microwave and Optical Technology Letters*	2004	40	246
133	Chandran A.R. Mathew T.Aanandan C.K.. Mohanan P. and Vasudevan K.	Frequency tunable metallo-dielectric structure for backscattering reduction	*Electronics Letters*	2004	40	1245
134	Abdul Khalam L. Sreemoolanathan H . Ratheesh R.Mohanan P. Sebastain M.T.	Preparation characterization and microwave dielectric properties of Ba(B′1/2Nb1/2)O3 [B′ = La Pr Nd Sm Eu Gd Tb Dy Ho Y Yb and In] ceramics.	*Materials Science and Engineering B: Solid-State Materials for Advanced Technology*	2004	107	264
135	K. Surendran P. Varma M.R.	Microwave Dielectric Properties of RE1-xRE′xTiNbO6 [RE = Pr Nd Sm	*Journal of the American Ceramic Society*	2003	86	1695

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136	Surendran K.P . Mohanan P. Sebastain M.T.	Tailoring the microwave dielectric properties of GdTiNb1-xTaxO6 and Sm1-x YxTiTaO6 ceramics.	*Journal of the European Ceramic Society*	2003	23	2489
137	Sebastian M.T. Jawahar I. N.Mohanan P.	A novel method of tuning the properties of microwave dielectric resonators.	*Materials Science and Engineering B: Solid-State Materials for Advanced Technology.*	2003	97	258
138	Paulson M .Kundukulam S.O. Aanandan C.K.. Mohanan P. Vasudevan K.	Compact microstrip slot antenna for broadband operation.	*Microwave and Optical Technology Letters*	2003	37	248
139	Lethakumary B. Menon S.K. Aanandan C.K.. Mohanan P.	A wideband rectangular microstrip antenna using an asymmetric T-shaped feed.	*Microwave and Optical Technology Letters*	2003	37	31
140	Jawahar I. N.Mohanan P. Sebastian M.T.	$A_5B_4O_{15}$ (A=Ba Sr Mg Ca Zn B=Nb Ta) microwave dielectric ceramics	*Materials Letters*	2003	57	4043
141	Bijumon P.V.Solomon S.Sebastian M.T. Mohanan P.	A new group of microwave dielectric ceramics in the $RE(Ti_{0.5}W_{0.5})O_4$ [RE = Pr Nd Sm Gd Tb Dy and Y] system	*Journal of Materials Science: Materials in Electronics.*	2003	14	5
142	Bijumon P.V.Mohanan P. Sebastian M.T.	High dielectric constant low loss microwave dielectric ceramics in the $Ca_5Nb_{2-x}Ta_xTiO_{12}$ system	. *Materials Letters*	2003	57	1380
143	M. Thirumal Jawahar I. N. Surendiran K. P.Mohanan P. Ganguli A. K	Synthesis and microwave dielectric properties of $Sr_3Zn_{1-x}Mg_xNb_2O_9$ phases.	*Materials Research Bulletin*	2002	37	185

144	M. Thirumal Jawahar I. N. Surendiran K. P.Mohanan P. Ganguli A. K	$Ba_3ZnTa_{2-x}Nb_xO_9$ and $Ba_3MgTa_{2-x}Nb_xO_9$ ($0 \leq x \leq 1$): Synthesis structure and dielectric properties	*Materials Research Bulletin*	2002	37	2321
145	Surendran K.P. Solomon S. Varma M. R. Mohanan P. Sebastain M.T	Microwave dielectric properties of $RETiTaO_6$ (RE = La Ce Pr Nd Sm Eu Gd Tb Dy Ho Y Er Yb Al and In) ceramics	*Journal of Materials Research*	2002	17	2561
146	Santha N.Jawahar I. N.Mohanan P. Sebastian M.T.	Microwave dielectric properties of $(1-x)CaTiO_{3-x}Sm(Mg1/2Ti1/2)O_3$ [$0.1 \leq x \leq 1$] ceramics.	*Materials Letters*	2002	54	318
147	Paulson M . Kundukulam S.O. Aanandan C.K.. Mohanan P.	Analysis and design of a dual-port compact microstrip antenna.	*Microwave and Optical Technology Letters*	2002	32	125
148	Mridula S. Menon S.K. Lethakumary B. Paul B.Aanandan C.K.. Mohanan P.	Planar L-strip fed broadband microstrip antenna.	*Microwave and Optical Technology Letters*	2002	34	115
149	Paul B. Mridula S.Aanandan C.K.. Mohanan P.	A new microstrip patch antenna for mobile communications and bluetooth applications.	*Microwave and Optical Technology Letters*	2002	33	285
150	. Menon S.K. Lethakumary B. Vasudevan K.Mohanan P	Wide band rectangular microstrip antenna using symmetric T-shaped feed	*Microwave and Optical Technology Letters*	2002	35	235
151	Kundukulam S.O. Paulson M . Aanandan C.K.. Mohanan P. Nair K.G	Resonant frequencies of circular-sided dual-port microstrip antenna.	*Electronics Letters.*	2002	38	1310
152	Kundukulam S.O.	Compact circular-sided microstrip	*Microwave and Optical*	2002	34	176

	Paulson M . Aanandan C.K.. Mohanan P	antenna for circular polarization	*Technology Letters*			
153	Kundukulam S.O. Paulson M . Aanandan C.K.. Mohanan P	Dual-port dual-polarized microstrip antenna	*Microwave and Optical Technology Letters*	2002	34	459
154	Kundukulam S.O. Paulson M .Aanandan C.K.Mohanan P.	Analytical equations for compact dual frequency microstrip antenna.	*International Journal of RF and Microwave Computer-Aided Engineering.*	2002	12	477
155	Jawahar I. N. Santha N. I. Sebastian M.T. Mohanan P	Microwave dielectric properties of MO-La_2O_3-TiO_2 (M = Ca Sr Ba) ceramics.	*Journal of Materials Research*	2002	17	3084
156	Binoy G.S. Aanandan C.K.. Mohanan P. and Vasudevan K.	Slot-coupled square microstrip antenna for compact dual-frequency operation	*Microwave and Optical Technology Letters*	2002	32	7
157	Binoy G.S. Aanandan C.K.. Mohanan P. Vasudevan K.	Dual-frequency dual-polarized slot-coupled compact microstrip antenna for communication systems.	*International Journal of Electronics*	2002	89	191
158	Bijumon P.V.Mohanan P. Sebastain M.T.	Synthesis characterization and properties of Ca5A2TiO12 (A=Nb Ta) ceramic dielectric materials for applications in microwave telecommunication systems	*Japanese Journal of Applied Physics Part 1: Regular Papers and Short Notes and Review Papers*	2002	41	3834
159	Bijumon P.V.Mohanan P. Sebastian M.T. *Materials*	Microwave dielectric properties of LaMgAl11O19.	*Research Bulletin*	2002	37	2129
160	Bijumon P.V. Menon S.K. Sebastian M.T.	Enhanced bandwidth microstrip patch antennas loaded with high permittivity	*Microwave and Optical Technology Letters*	2002	35	327

	Mohanan P.	dielectric resonators				
161	Solomon S. Kumar M. Surendran K.P. Sebastian M.T. Mohanan P	Synthesis characterization and properties of $[RE_{1-x}RE'_x]TiNbO_6$ dielectric ceramics *Materials*	*Chemistry and Physics*	2001	67	291
162	Sebastian M.T. Solomon S. Ratheesh R. George J. Mohanan P.	Preparation Characterization and Microwave Properties of $RETiNbO_6$ (RE = Ce Pr Nd Sm Eu Gd Tb Dy Y and Yb) Dielectric Ceramics.	*Journal of the American Ceramic Society*	2001	84	1487
163	Paulson M . Kundukulam S.O. Aanandan C.K.. Mohanan P.	A new compact dual-band dual-polarized microstrip antenna.	*Microwave and Optical Technology Letters*	2001	29	315
164	Paulson M . Kundukulam S.O. Aanandan C.K.. Mohanan P	Resonance frequencies of compact microstrip antenna	*Electronics Letters*	2001	37	1151
165	Kundukulam S.O. Paulson M . Aanandan C.K.. Mohanan P.	Slot-loaded compact microstrip antenna for dual-frequency operation	*Microwave and Optical Technology Letters*	2001	31	379
166	Kamba S. Petzelt J. Buixaderas E. Haubrich D. Vaněk P. Kužel P.Jawahar I. N.Sebastian M.T. Mohanan P.	High frequency dielectric properties of A5B4O15 microwave ceramics.	*Journal of Applied Physics*	2001	89	3900
167	. Binoy G.S. Aanandan C.K.. Mohanan P. d Vasudevan K.	Compact dual-frequency dual-polarized slotted microstrip patch antenna	*Microwave and Optical Technology Letters*	2001	29	60
168	Solomon S. Santha N.Jawahar I. N.	Tailoring the microwave dielectric properties of $BaRE_2Ti_4O_{12}$ and	*Journal of Materials Science: Materials in Electronics*	2000	11	595

	Sreemoolanadhan H. Sebastian M.T. Mohanan P	$BaRE_2Ti_5O_{14}$ ceramics by compositional variations				
169	Ratheesh R.Sebastian M.T. Mohanan P. Tobar M. E. Hartnett J. Woode R. Blair D. G	Microwave characterization of $BaCe_2Ti_5O_{15}$ and $Ba_5Nb_4O_{15}$ ceramic dielectric resonators using whispering gallery mode method	*Materials Letters*	2000	45	279
170	Paulson M . Kundukulam S.O. Aanandan C.K.. Mohanan P. Vasudevan K	Circularly polarized compact microstrip antenna	*Microwave and Optical Technology Letters*	2000	26	308
171	Kundukulam S.O. Paulson M . Aanandan C.K.. Mohanan P. Vasudevan K.	Dual-band dual-polarized compact microstrip antenna	*Microwave and Optical Technology Letters*	2000	25	328
172	Kumar S.B.Raveendranath U.Mohanan P. Mathew K.T. Hajian M.and Ligthart L. P.	Simple free-space method for measuring the complex permittivity of single and compound dielectric materials.	*Microwave and Optical Technology Letters*	2000	26	117
173	Binoy G.S. Aanandan C.K.. Mohanan P. Vasudevan K. Nair K. G.	Single-feed dual-frequency dual-polarized slotted square microstrip antenna.	*Microwave and Optical Technology Letters*	2000	25	395
174	Mridula S. George J . Mohanan P	Microstrip antennas for mobile telephone handset with reduced radiation hazards.	*Microwave and Optical Technology Letters*	1999	23	370
175	Ratheesh	New high permittivity and low loss	*Journal of Materials Science:*	1998	9	291

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176	Ratheesh R. Sreemoolanadhan H.Sebastian M.T. Mohanan P.	Preparation characterization and dielectric properties of ceramics in the BaO-Nd2O3-TiO2 system.	*Ferroelectrics.*	1998	211	1
177	Jawahar I. N.Sebastian M.T. George J . Mohanan P. Sreemoolanadhan H.and Ratheesh R	The A5B4O15 [A = Ba Sr Ca Mg Zn B = Nb Ta] microwave ceramic dielectric resonators.	*Bulletin of Electrochemistry*	1998	14	364
178	George J . Vasudevan K.Mohanan P. Nair K.G	Dual frequency miniature microstrip antenna.	*Electronics Letters.*	1998	34	1168
179	George J.Aanandan C.K..Mohanan P.Nair K.G.Sreemoolanatha n H.Sebastain M.T.	Dielectric-resonator-loaded microstrip antenna for enhanced impedance bandwidth and efficiency.	*Microwave and Optical Technology Letters*	1998	17	205
180	George J . Aanandan C.K.. Mohanan P. Nair K.G.	Analysis of a new compact microstrip Antenna	*IEEE Transactions on Antennas and Propagation*	1998	46	1712
181	Sreemoolanadhan H. Ratheesh R.Sebastian M.T. Mohanan P.	Ba(Tb1/2Nb1/2)O3: A new ceramic microwave dielectric resonator.	*Materials Letters*	1997	33	161
182	Sebastian M.T. Ratheesh R.Sreemoolanadhan H. Solomon S.	Samarium titanium niobate (SmTiNbO6): A new microwave dielectric ceramic *Materials*	*Research Bulletin*	1997	32	1279

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183	Stephen D.SMathew T.Aanandan C.K.. Mohanan P. Jose K.A. Nair K.G.	Analysis of a dual periodic strip grating.	*Microwave and Optical Technology Letters.*	1996.	13	173
184	Sreemoolanadhan H. Sebastian M.T. Mohanan P	Dielectric resonators in $BaO\text{-}Ln_2O_3\text{-}_5TiO_2$ system (Ln = La Pr Nd Sm).	*British Ceramic Transactions*	1996	95	79
185	Sreemoolanadhan H.Sebastian M.T. Mohanan P	Dielectric ceramics in the BaO-Ln2O3-5TiO2 composition	*Ferroelectrics*	1996	189	43
186	Solomon S.Sreemoolanadhan H.Sebastian M.T. Mohanan P	Microwave dielectric resonators based on $Ba[(Bi_{0.2}D_3+ 0.3) Nb_{0.5}]O_3$ (D3+ = Y Pr Sm Gd Dy Er).	*Materials Letters*	1996	28	107
187	George J . M. Deepukumar Aanandan C.K.. Mohanan P. Nair K.G	New compact microstrip antenna	*Electronics Letters*	1996	32	508
188	M. Deepukumar George J. Aanandan C.K.. Mohanan P. Nair K.G	Broadband dual frequency microstrip antenna.	*Electronics Letters*	1996	32	1531
189	Sreemoolanadhan H.Sebastian M.T. Mohanan P	High permittivity and low loss ceramics in the $BaO\text{-}SrO\text{-}Nb_2O_5$ system.	*Materials Research Bulletin*	1995	30	653
190	Sreemoolanadhan H. Isaac J. Sebastian M.T. Jose K.A.Mohanan P	Synthesis characterisation and properties of $(Ba_{1-x}Sr_x) (Nd_{1\,2}Nb_{1\,2}) O_3$ ceramics for application as dielectric resonators in microwave circuits.	*Ceramics International*	1995	21	385
191	Sreemoolanadhan H.	Preparation and microwave	*British Ceramic Transactions*	1995	94	157

	Isaac J. Koshy P. Sebastian M.T. Jose K.A.Mohanan P	characterisation of $Ba_{2-x}Sr_xTi_9O_{20}$ ceramics				
192	Sreemoolanadhan H. Isaac J. Solomon S. Sebastian M.T. Jose K.A.Mohanan P	Dielectric properties of Ba5Nb4O15 ceramic.	*Physica Status Solidi (A) Applied Research*	1994	143	K45
193	Mathew T. Stephen D.SAanandan C.K.. Mohanan P. Nair K.G.	Wideband trapezoidal strip grating for elimination of specular reflection	*Electronics Letters*	1994	30	1037
194	Dey SAanandan C.K.. Mohanan P. Nair K.G	Analysis of cavity backed printed dipoles	*Electronics Letters*	1994	30	173
195	Dey SAanandan C.K.. Mohanan P. Nair K.G	New broadband circular patch antenna	*Microwave and Optical Technology Letters*	1994	7	604
196	Stephen D.SMathew T.Jose K.A.Aanandan C.K.. Mohanan P. Nair K.G.	New simulated corrugated scattering surface giving wideband characteristics.	*Electronics Letters.*	1993	29	329
197	Mathew T Stephen D.S Jose K.A.C. K. Ananandan Mohanan P. Nair K.G	Performance of a novel simulated corrugated surface for the reduction of radar cross section.	. *Microwave and Optical Technology Letters*	1993	6	615
198	Dey SAanandan C.K.. Mohanan P. Nair K.G	Modified circular patch antenna	*Electronics Letters*	1993	29	1126
199	Gomez L. W. Ajalkumar V. Jose K.A.Mohanan P.	Broadband dual slant strip grating for elimination of specular reflection of EM waves.	*Microwave and Optical Technology Letters*	1992	5	171

	Nair K.G					
200	Dey SAanandan C.K.. Jose K.A.Mohanan P. Nair K.G.	Wideband microstrip dipole	*Microwave and Optical Technology Letters*	1992	5	709
201	Ajaikumar V. Jose K.A.Aanandan C.K.. Mohanan P. Nair K.G	Backscattering reduction of corner reflectors using SCS technique	*Microwave and Optical Technology Letters*	1992	5	557
202	Rodrigues S. Mohanan P. Nair K.G.	A strip-loaded feed-horn antenna	*IEEE Microwave and Guided Wave Letters*	1991	1	318
203	Narayanan K.K. Mohanan P. Vasudevan K.Nair K.G.	Leaky-wave antenna for square radiation pattern.	*Electronics Letters*	1991	27	356
204	Aanandan C.K.. Mohanan P. Nair K.G	Broad-band gap coupled microstrip antenna	*IEEE Transactions on Antennas and Propagation*	1990	38	1581
205	Zachariah E. J.Vasudevan K. Sreenivas G. Mohanan P. Pravinkumar P. A. Nair K.G.	MICROWAVE ABSORBING MATERIAL USING RUBBER & CARBON.	*Indian Journal of Pure and Applied Physics*	1980	18	216

2.2	Text Books / Reference Books/subject books/monograph/Chapters of Books Published		
SI No.	**Title with ISBN Number**	**Publisher with Place of Publication**	**Year**
1.			
2.			
3.			

2.3	Patents / Technology transfer/Product/Process:		
2.3.1	Each patent awarded		
SI No.	**Title**	**Sanction Number**	**Year**
1.	A Process for the preparation of a ceramic material useful for microwave integrated circuit applications. H. Sreemoolanathan, R. Ratheesh, M.T. Sebastain & P. Mohanan	.1535/DEL/96 dated 11.7.96. Granted date 17 Jan 2008 Patent No 213822	**1996**
2.	Microwave dielectric ceramic composition, method of manufacture thereof and devices comprising the same M. T. Sebastian, P. V. Bijumon, P. Mohanan and Sreedevi. K. Menon .	. PCT/IN02/00051. US Patent	
3.	Development of novel cylindrical resonator antenna and other devices based on new microwave dielectric ceramic composition in the Ca5A2TiO12 system [A=Nb, Ta]", M.T. Sebastian, P.V. Bijumon, P. Mohanan and S.K. Menon.	NF/482/2001.	2001
4	Novel wideband dielectric resonator loaded printed monopole antenna", M.T. Sebastian, PV. Bijumon, P. Mohanan and Suma M.N.	0230/2005	2005
5	Design and development of a compact planar antenna", Rohith K Raj, Manoj Joseph and P. Mohanan	Submitted through DST Govt. of India	2007

2.3.2	Each Technology transfer through Central / State / University / Quasi Government agencies.		
SI No.	**Name of Technology transfer**	**Agency**	**Year**

2.4	Externally Funded Research / Consultancy Projects through University / Institution (Both completed and Ongoing Projects):				
Project Cost in Lakhs	**SI No.**	**Title**	**Funding Agency**	**Amount & Duration**	**Principal investigator/ Co-investigator**
	1.	Development of RCS Reduction Techniques Using Strip Grating Surface Configuration	UGC, Govt. of India	3 Lakhs 1991-1995	**Co-investigator**
	2.	Investigations on High Temperature Superconducting MIC's and Transmission Lines	DoE, Govt. of India.	15.66 Lakhs1991-1995	**Co-investigator**
	3	UGC Career Award.	UGC, Govt. of India	5.3 Lakhs1995-1998	**Principal investigator**
	4	Establishment of a MIC Laboratory.	AICTE, Govt. of India	5.00 Lakhs1997-1999	**Principal investigator**
	5	Preparation characterization and Properties of Ba $(B'_{1/3}"O_3$[B'=Mg ,Zn; B"=Ta, Nb] microwave ceramic resonators	DST, Govt. of India	4.44 Lakhs. 2000-2003	**Principal investigator**
	6	Microwave Imaging of Biological Objects Using Free-space complex permittivity measurements.	DST, Govt. of India.	21.00 Lakhs 2001-2004	**Co-investigator**
	7	Development of a	UGC, Govt. of	3.50 Lakhs2003-2006	**Principal investigator**

		compact microstrip antenna with reduced radiation hazards suitable for use in mobile communication handsets.	India		
	8	Compact dual band dielectric resonator for mobile phone antenna with reduced radiation hazards	KSCSTE, India	9.79 Lakhs 2004-2009	**Principal investigator**
	9	Thermal Elastic and dielectric properties of new microwave substrate materials,	DRDO, India	28.29 Lakhs 2005-2008	**Principal investigator**
	10	Antenna Design Fabrication and testing for a Pseudo random polarization hopping (PPH) communication system	Polarizone Inc. Malaysia	8.00 Lakhs 2003-2006	**Principal investigator**
	11	Complex permittivity measurements in frequency domain	Delft, Netherlands	5.00 Lakhs 2000-2001	**Co-investigator**
	12	Simulation and Design of S band Dielectric Diplexer	VSSC	8.80 Lakhs, 2008-2011	**Principal investigator**
	13	Tunable microwave materials and devices based on photonic band gap structures	DST	29.80 Lakhs, 2011-2016	**Principal investigator**
	14	ST Radar facility at Cochin University of Science & Technology	DST	2000 Lakhs 2011-2016	**Co-investigator**

	15	Implantable sensor antenna system for medical applications	DAE, BRNS, Govt. of India.	20.865 Lakhs, 2014-2017	**Principal investigator**

2.5	Research Guidance :
2.5 (a)	Ph D – Degree Awarded

SI No.	Title	Name of co-guides (if any)	Name of student	University	Year
1.	Development and Analysis of a drum shaped compact Microstrip Antenna	-	Dr.Jacob George	Cochin University of Science & Technology	1998
2.	Development and Analysis of Broadband L-strip Fed Microstrip Antennas	-	Dr.Lathakumari	Cochin University of Science & Technology	2004
3.	Investigations on a Microstrip excited Rectangular Dielectric Resonator Antenna	-	Dr. S. Mridula	Cochin University of Science & Technology	2005
4	Development and Analysis of Microstrip Antennas For Dual Band Microwave Communication	-	Dr. Binu Paul	Cochin University of Science & Technology	2005
5	Enhancement of Microwave Properties of Planar Filters and Antennas using Photonic Bandgap (PBG) structures	-	Dr. Sreedevi K Menon	Cochin University of Science & Technology	2006
6	Investigations on	-	Dr. Suma M.N	Cochin University of	2008

	Broadband Planar Monopole Antennas with Truncated Ground Plane			Science & Technology	
7	Development and Analysis of a Compact dual band Coplanar Antenna	-	Dr. Rojith K Raj	Cochin University of Science & Technology	2007
8	Printed Monopole Antenna for Ultra Wide band (UWB)Applications	-	Dr. Francis Jacob	Cochin University of Science & Technology	2008
9	Broad Band Wide Coverage Uniplanar Antenna	-	Dr. Bybi	Cochin University of Science & Technology	2009
10	Design and Development of Compact Coplanar Strip Fed Antenna	-	Dr. V. Deepu	Cochin University of Science & Technology	2009
11	Microstrip Fed Compact Dual Band Planar Antenna	-	Dr. Manoj Joseph	Cochin University of Science & Technology	2010
12	Design and Development of Compact Printed Ultra Wide Band Antennas	-	Dr. Shameena V.A	Cochin University of Science & Technology	2012
13	Design and Development of Compact Coplanar Waveguide Fed Antennas for Wireless Applications	-	Dr. Sujith Raman	Cochin University of Science & Technology	2012
14	Development and Investigations of Mobile Antennas for Less Radiation Hazards	-	Dr. Laila	Cochin University of Science & Technology	2012
15	Design and Development of Coplanar Strip Fed Planar Antennas	-	Sreejith M Nair	Cochin University of Science & Technology	2013

16	Novel Low Loss A ($A_{1/4}$ $B_{2/4}$ $C_{1/4}$)O_3 Dielectrics And Their Application in Antennas	Co guide. M.T. Sebastain	P.V. Bijumon	Cochin University of Science & Technology	2005

2.5 (b)	Ph D – Thesis submitted				
SI No.	**Title**	**Name of co-guides (if any)**	**Name of student**	**University**	**Year**
1.					
2.					
3.					

2.6	Awards / Medals / Fellowships Academic Recognitions:
Award	**Particulars**
1 Career Award from University Grants Commission (UGC)	**Career Award from University Grants Commission (UGC)** in Engineering and Technology, Govt. of India in the year 1994. As per UGC, the purpose of the award is *"To identify young talented teachers who have established their competence and should have good potential in the specialized area and to promote their professional growth by enabling them to devote maximum efforts in research and study with minimum teaching responsibilities"*.
2 Dr. Vasudev award	**Dr. Vasudev award** for the best research project in the SRS from Kerala State Council for Science, Technology and Environment, Govt. of Kerala in the year 2012.
3 URSI-GA2005 International Young Scientist Award	**URSI-GA2005 International Young Scientist Award** to one of my research students Mr. Rohith K Raj for our paper entitled "A new Compact coplanar Antenna".
4. URSI-GA2005 International Young	**URSI-GA2005 International Young Scientist Award** to one of my research students Mr.

Scientist Award	Manoj Joseph for our paper entitled "A novel Compact wideband antenna".
5. URSI-GASS2011 International Young Scientist Award	**URSI-GASS2011 International Young Scientist Award** to one of my research students Mr. Sujith Raman for our paper entitled "Compact Coplanar waveguide fed ground meandered antenna for wireless applications".
6. IEEE APS Chapter Chair	**IEEE APS Chapter Chair from 2014 onwards**

2.7	Organiser / Convenor of International / National Conferences / Symposia / Seminars:			
	SI No.	**Title and year**	**Chief organiser/ Convener**	**Co-organiser/ co-convener**
International Level	1	APSYM Antennas and Propagation Symposium 2014	Technical program chair	
National Level	1	APSYM Antennas and Propagation Symposium 1990	Technical program chair	
	2	APSYM Antennas and Propagation Symposium 1992	Technical program chair	
	3	APSYM Antennas and Propagation Symposium 1994	Technical program chair	
	4	APSYM Antennas and Propagation Symposium 1996	Technical program chair	
	5	APSYM Antennas and Propagation Symposium 1998	Technical program chair	
	6	APSYM Antennas and Propagation Symposium 2000	Technical program chair	
	7	APSYM Antennas and Propagation Symposium 2002	Technical program chair	
	8	APSYM Antennas and Propagation	Technical program chair	

		Symposium 2004		
	9	APSYM Antennas and Propagation Symposium 2006	Technical program chair	
	10	APSYM Antennas and Propagation Symposium 2008	Technical program chair	
	11	APSYM Antennas and Propagation Symposium 2010	Technical program chair	
	12	APSYM Antennas and Propagation Symposium 2012	Technical program chair	

3	Assessment of Domain Knowledge
3.1	***Experience*** Additional Teaching / Industrial Experience after obtaining minimum eligibility criteria for the particular post (Only Full-time teaching assignments and/ Industrial Experience not below the rank of Lecturer in UGC/AICTE approved institutions/ Assistant Manager / Officer in a public / multi-national Company, after obtaining the minimum educational qualifications for this post)

	SI No.	Institution	Post held	Period (from … to..)	No. of years
University PG Level	1.				
	2.				
University UG/College level	1.				
	2.				
Industrial Experience	1.	Bharath Electronics, New Delhi	Engineer	1987	1988

	2.				

3.2	***Additional Research Experience after Ph. D***			
	Institution	**Post Held**	**Period**	**No. of years**
Post-Doctoral Research				
Design of Experiments for P. G. Level laboratory course				
Maintenance and operations of sophisticated equipments				
(In the case of Teachers who are also doing research work, their teaching experience alone will be counted – credit for both teaching and research will not be awarded concurrently)				

3.3	***Academic / Administrative Experience (give particulars):***		
3.03 (a)	*Administrative experience:*		
Sl No	**Post Held**	**Period**	**No. of years**
1			
2			

3.03 (b)	Academic experience (Member, Board of studies, Academic council / Faculty etc.)

Sl No	Positions held	Period	No. of years
1	Board of Studies of PG. Electronics	2008	4
2	Chairman Board of Studies of PG. Electronics	2012	3
3	Member, Faculty of Technology	2012	3
4	Member, Academic Council	2012	3
3.04	Participation in Training Programs/Workshop/Summer Winter-Schools, (organized by Govt. agencies/ UGC/AICTE, ICTP or similar International Organisations) :		

Duration of Course	Title	Agency	Period

Declaration

I, …Mohanan. P ….. …… …… …… …. ….. ….. ….have read the notification and all other related instructions. All information and data furnished above are true to the best of my knowledge and belief.

Place: Cochin 22
Date: 17-01-2015

Signature