Publication Details:

Peer Reviewed Journals:

2015 Journal Articles, articles in Press and accepted papers						
Sl. No.	**Name of author (s)**	**Title**	**Details**	**National /Internat**	**Impact factor (if any)**	**Cit. Index if any**
1.	Pragyan Jyoti Gogoi, N. S. Bhattacharyya and S. Bhattacharyya	Linear Low Density Polyethylene (LLDPE) as Flexible Substrate for Wrist and Arm Antennas in C-band	JEM, DOI: 10.1007/s11664-015-3629-4	Internatio -nal		

2014 Journal Articles, articles in Press and accepted papers						
Sl. No.	**Name of author (s)**	**Title**	**Details**	**National /Internat**	**Impact factor (if any)**	**Cit. Index if any**
1.	K. Borah, A. Phukan, N. S. Bhattacharyya and S. Bhattacharyya	Design of light weight microstrip patch antenna on dielectric and magnetodielectric substrate for broadband application in x-band.	PIER B, vol 60, pg no. 157-168	Internatio -nal		
2.	S. Ozah and N. S. Bhattacharyya	Development of BaAlxFe12-xO19 -NPR nanocomposite as an efficient absorbing material in the X- band	JMMM, 374, 516-524	Internatio -nal		
3.	A. K. Bordoloi, P Borah, S. Bhattacharyya and N. S. Bhattacharyya	Planar patch antenna with 100-μm slit for size reduction and dual-band applications	Microwave and Optical Technology Letters 56 (7), 1725-1726	Internatio -nal		
4.	J. P. Gogoi, and N. S. Bhattacharyya and S. Bhattacharyya	Single layer microwave absorber based on expanded graphite–novolac phenolic resin composite for X-band applications	Composites Part B: Engineering 58, 518-523	Internatio -nal		
5.	J. P. Gogoi, and N. S. Bhattacharyya and S. Bhattacharyya	Expanded graphite-Phenolic resin composites based double layer microwave absorber for X-band applications	JAP 116 (20), 204101	Internatio -nal		

Journal Articles, articles in Press and accepted papers since 2003						
Sl. No.	**Name of author (s)**	**Title**	**Details**	**National /Internat**	**Impact factor (if any)**	**Cit. Index if any**
1.	D Sarmah, NS Bhattacharyya, S Bhattacharyya	Study of graded composite (LDPE/TIO 2) materials as substrate for microstrip patch antennas in X-band	Dielectrics and Electrical Insulation, IEEE Transactions on, 20 (5), 1845-1850, 2013	Internatio -nal		
2.	S Ozah, NS Bhattacharyya	Nanosized barium hexaferrite in Novaloc Phenolic Resin as microwave absorber for X band application	Journal of Magnetism and Magnetic Materials, 2013	Internatio -nal		
3.	K Borah, NS Bhattacharyya	Magnetodielectric composite with $NiFe_2O_4$ inclusions as substrates for microstrip antennas	Dielectrics and Electrical Insulation, IEEE Transactions on, 19 (5), 1825-1832, 2012	Internatio -nal		
4.	S Borah, NS Bhattacharyya	Broadband magneto-dielectric response of particulate ferrite polymer composite at microwave frequencies	Composites Part B: Engineering 43 (4), 1988-1994, 2012	Internatio -nal		
5.	JP Gogoi, NS Bhattacharyya, KC Raju	Synthesis and microwave characterization of expanded graphite/novolac phenolic resin composite for microwave absorber applications	Composites Part B: Engineering, 2011	Internatio -nal		
6.	S Borah, NS Bhattacharyya	EM Transmission Response of Microstrip Notch Filter on Obliquely Magnetized Magneto-Dielectric Substrate in Xband Under Influence of Low Magnitude of External DC Magnetic Field	Progress In Electromagnetics Research 21, 47-59, 2011	Internatio -nal		
7.	NS Bhattacharyya, B Choudhury, JR Deka	Modified interphase theory to determine dielectric constant of particulate composite material at microwave frequency	Composites Part B: Engineering 43 (3), 1665-1670, 2010	Internatio -nal		

Journal Articles, articles in Press and accepted papers since 2003 (contn…)						
8.	K Borah, N Saxena Bhattacharyya	Magneto-dielectric material with nano ferrite inclusion for microstrip antennas: dielectric characterization	Dielectrics and Electrical Insulation, IEEE Transactions on 17 (6), 1676-1681, 2010	Interna -tional		
9.	S Borah, NS Bhattacharyya	Broadband Measurement of Complex Permittivity of Composite at Microwave Frequencies Using Scalar Scattering Parameters	Progress In Electromagnetics Research 13, 53-68, 2010	Interna -tional		
10.	D Sarmah, JR Deka, S Bhattacharyya, NS Bhattacharyya	Study of LDPE/TiO 2 and PS/TiO 2 Composites as Potential Substrates for Microstrip Patch Antennas	Journal of electronic materials, 1-7, 2010	Interna -tional		
11.	K Borah, N Saxena Bhattacharyya	Magneto-dielectric material with nano ferrite inclusion for microstrip antennas: dielectric characterization	Dielectrics and Electrical Insulation, IEEE Transactions on 17 (6), 1676-1681, 2010	Interna -tional		
12.	A Gogoi, D Sarmah, NS Bhattacharyya	Improved Microwave and Thermal Properties of LDPE/TiO2 Composite Polymer System	Journal of Polymer Materials 25 (3), 328, 2008	Interna -tional		
13.	S Borah, NS Bhattacharyya	Development of Particulate Magneto-Polymer Composite with Reduced Magnetic Losses	Journal of Polymer Materials 25 (3), 323, 2008	Interna -tional		
14.	JR Deka, NS Bhattacharyya, S Bhattacharyya	Development of a low cost automated PC-based insertion loss measurement set-up using a simple source and detector in X-band	IETE Technical review 22 (6), 425-434, 2005	Interna -tional		
15.	NS Bhattacharyya, GP Srivastava	On the instability threshold of cobalt substituted Ni–Al ferrite at high-microwave-power levels	Journal of magnetism and magnetic materials 262 (2), 212-217, 2003	Interna -tional		

International Conference attended:

Sl. No.	Details of Conference, Venue & Date	Title of Paper presented
1.	ICCESD-2013, Jaipur,India	Expanded Graphite/Novolac Phenolic Resin Composite as Single Layer Electromagnetic Wave Absorber for X-Band Applications
2.	ICCESD-2013, Jaipur,India	Microwave absorption properties of graphite flakes-phenolic resin composite
3.	ICCESD-2013, Jaipur,India	Study of LDPE/Al2O3 composite material as substrate for microstrip antenna
4.	ICCESD-2013, Jaipur,India	Influence of external magnetic biasing on rectangular patch antenna designed on nano- Co/Ni Fe2O4 magnetodielectric substrates
5.	ICCESD-2013, Jaipur,India	Effect of annealing temperature of nano-sized BaFe[sub]12[/sub]O[sub]19[/sub] in Novolac Phenolic Resin on microwave properties for use as EMI shielding material in X-band
6.	Session 4P6 Plasmas, Composite Media, Materials Science, 896, 2012	Microwave Characterization of Expanded Graphite/Phenolic Resin Composite for Strategic Applications
7.	International Conference, 2011	Miniaturized Patch Antennas on Magnetodielectric Substrate for X Band Communications
8.	AEMC 2009, Kolkata	In Touch Non-Destructive Superstrate Technique for Estimating Complex Permittivity of Nanocomposites
9.	AEMC 2009, Kolkata	Ni0.5Zn0.5Fe2O4/ bamboo charcoal/titania LDPE composites as viable microwave absorbing materials
10.	AEMC 2009, Kolkata	Microwave absorbing properties of CoFe2O4/ bamboo charcoal/titania –LDPE polymer composite
11.	AEMC 2009, Kolkata	GCPWG technique for measurement of dielectric properties of magneto-polymer composite at microwave frequencies", IEEE proc. AEMC 2009
12.	Progress in Electromagnetics Symposium-2012, Kuala Lumpur, Malaysia	Microwave characterization of expanded graphite/phenolic resin composite for strategic applications
13.	AIP Conference Proceedings 1003, 261, 2008.	Synthesis and characterization of reduced size ferrite reinforced polymer composites
14.	IJPPIACS 2008	Development of LDPE/TiO2 composite as substrate material in microwave integrated circuits
15.	Proc. 2nd IASTED Int. Conf. Antennas, Radar, and Wave Propagat., 2005	Microwave characterization of Alumina filled Polystyrene composite
16.	Antennas and Propagation Society International Symposium, 2003	Microstrip stub resonator on ferrite substrate