JAWAD Y. SIDDIQUI, M.Tech. PH.D., SMIEEE

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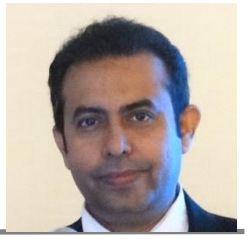

EMPLOYMENT

•**Associate Professor,** Department of Radio Physics and Electronics, University of Calcutta, Feb. 2016-
Lecturer/ Assistant Professor, Department of Radio Physics and Electronics, University of Calcutta, 2004 to Jan. 2016
•**Post Doctoral Research Fellow,**Royal Military College of Canada (Canadian Defence University), Kingston, ON, Canada, Nov.2008 - March 2011 and June 2013- October 2014

PROFESSIONAL ACTIVITIES AND ACCOMPLISHMENTS

International

Visiting Researcher, Royal Military College of Canada, Kingston, Ontario, Canada
Senior Member, IEEE
SIGHT Committee Member, *IEEE Antennas and Propagation Society*
Reviewer, - IEEE Transactions on antennas and Propagation, IEEE Antennas and Wireless Propagation Letters,IET Proceedings in Microwaves, Antennas and Propagation

National

• ***Co- Principal Investigator***, **Stratospheric Tropospheric Radar, University of Calcutta (SERB)**
• ***General Co- Chair, International Microwave and RF Conference (IMaRC),*** *Kolkata, 2018*
• ***Chairman 2018-19,***IEEE Antennas and Propagation and Microwave Theory and Techniques Kolkata Chapter
•*Technical Program Co-Chair*,Indian Antenna Week, Ajmer-Pushkar India, 2015
•*Tutorial Co-Chair*,IEEE Applied Electromagnetics Conference, IIT-Guwahati, India, 2015
•*Vice Chairman***,**Antennas and Propagation and Microwave Theory and Techniques Chapter, IEEE Kolkata Section (2011-2012)
• *Organizing Chairman*, IEEE Indian Antenna Week 2012, Gangtok, India

TEACHING/RESEARCH EXPERIENCE

•**University (Under-graduate, Graduate, Doctorate) : 14 years**
•**Research: 18 years**
•**PH.D. Supervision:2**(awarded from CU), 2 (Submitted),**4**(Registered)
•**Masters Thesis Supervision: 12**

EDUCATION

• **PH.D. (Technology)** inRadio Physics and Electronics, University of Calcutta, Kolkata, India, 2005
• **Master of Technology** inRadio Physics and Electronics,University of Calcutta, 1999
• **Bachelor of Engineering** inElectronics Engineering, Nagpur University,India 1997

PERSONAL PROFILE

• Date of Birth : 11th October, 1969
• Nationality : Indian

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40D, Palm Avenue,
Ballygunge
Kolkata 700019, India

PUBLICATIONS and Citations

CitationsIndices
- Citations as on Sept. 2019: 1004
- H-index : 15
- i10-index : 22

Book

"Multifunctional Ultrawideband Antennas: Trends, Techniques and Applications",, Authors: C.Saha, **J.Y. Siddiqui**, YMM Antar, **CRC Press,** Taylor and Francis, Boca Raton, Florida, USA
ISBN 9781138553545

Book Chapter

Computer Aided Design, Ch.2 in Microstrip and Printed Antennas: New Trends, Techniques and Applications, Eds. D. Guha and Y.M.M. Antar, **Wiley, UK,** 2011.

Journals (selected)

1. C.Sarkar, C. Saha, L. Ahmed, J.Y. Siddiqui, and Y.M.M. Antar "Frequency Notched Balanced Antipodal Tapered Slot Antenna With Very Low Cross-Polarized Radiation" ***IET Microwaves, Antennas and Propagation***, vol. 12, no. 11, pp. 1859-1863, Aug. 2018
2. C. Saha, L.Ahmed,.R. Muntha, Y. M.M. Antar and J.Y. Siddiqui, "A dual Reconfigurable Printed Antenna: Design Concepts and Experimental Realization" ***IEEE Antennas and Propagation Magazine*** ,Vol. 60, issue 3, pp- 66-74, June 2018.
3. C. Saha, J.Y. Siddiqui, C.Sarkar, L.Ahmed and Y.M.M. Antar, "Ultra-Wideband Antipodal Tapered Slot Antenna With Integrated Frequency Notch Characteristics" ***IEEE Transaction on Antennas and Propagation***, vol. 66, No. 3,pp. 1534-1539, March 2018.
4. L.Ahmed, C. Saha,Y.M.M. Antar and J.Y. Siddiqui, " An antenna advance for Cognitive Radio: Introducing Multilayered Split Ring Resonator Loaded Printed Ultra-Wideband Antenna with Multi-Functional Characteristics" ***IEEE Antennas and Propagation Magazine*** , Vol. 60, issue. 2, pp 20-33, March 2018.
5. L. Ahmed, C. Saha, S.Arora, S. Das,J.Y. Siddiqui, and AK Iyer "Bandwidth Control of Cylindrical Ring Dielectric Resonator Antennas using Metallic Cap and Sleeve Loading" ***IET Microwaves, Antennas and Propagation***, Volume: 11, Issue 12, September'2017.
6. C. Saha,P.Natani, L.Ahmed, Y.M.M. Antar and J.Y. Siddiqui, "Square / Hexagonal Split Ring Resonator Loaded Exponentially Tapered Slot Ultra Wideband (UWB) Antenna with Frequency Notch Characteristics" ***Microwave Opt. Technology Lett.*** , Vol. 59,issue 6,pp.1241-1245'June 2017.
7. C. Saha, L. Ahmed, J.Y. Siddiqui and Y.M.M. Antar, "An UWB Monopole Antenna for Multiband and Wideband Frequency Notch and Narrowband Applications" ***IET Microwaves, Antennas and Propagation*** ,vol. 10, issue 11, pp. 1204-1211, 2016.
8. C. Saha, J.Y. Siddiqui and Y.M.M. Antar, "A Novel Ultra Wideband (UWB) Printed Antenna with a Dual Complementary Characteristic" ***IEEE Antennas and Wireless Propag. Lett.*** , vol. 14 pp. 974-977,2015.
9. C.Saha, L.Ahmed, J.Y.SiddiquiandY.M.M.Antar**,**"Rotational Circular Split Ring Resonator Array Loaded CPWfor Dual Notch and Wide Bandstop Applications," ***Wiley-Microwave and Opt. Technol. Lett.,*** Vol. 57,No.5, pp. 1204-1209, May 2015

10. J.Y. Siddiqui, C. Saha and Y.M.M. Antar, "Novel Design Concept of an Ultra Wideband (UWB) Printed Monopole Antenna with Complementary Frequency Notch and Narrowband Characteristics," ***IEEE Antennas and Wireless Propagation Letters,*** Vol. 14, pp. 974-977, 2015

11. J.Y. Siddiqui, C. Saha and Y.M.M. Antar, "Compact Dual SRR Loaded UWB Monopole Antenna with Dual Frequency and Wideband Notch Characteristics," accepted for publication in ***IEEE Antennas and Wireless Propagation Letters,*** Vol. 14, pp. 100 - 103, 2015

12. J.Y. Siddiqui, C. Saha and Y.M.M. Antar, "Compact SRR Loaded UWB Circular Monopole Antenna with Frequency Notch Characteristics," ***IEEE Transactions on Antennas and Propagation,*** Vol. 62, no. 8, pp. 4015-4020, 2014

13. C. Saha and J.Y. Siddiqui, " Theoretical Model for Estimation of Resonance Frequency of Rotational Circular Split Ring Resonators," ***Electromagnetics* (*Taylor and Francis*)** , Vol. 32, no.6, 345-355, 2012

14. J.Y. Siddiqui, Y.M.M. Antar, A.P. Freundorfer, E.C. Smith, G.A. Morin and T. Thayaparan, "Design of an Ultrawideband Antipodal Tapered Slot Antenna using Elliptical Strip Conductors," ***IEEE Antennas and Wireless Propagation Letters***, Vol. 10, pp. 251 - 254, 2011

15. C. Saha and J.Y. Siddiqui, " Versatile CAD Formulation for Estimation of the Resonant Frequency and Magnetic Polarizability of Circular Split Ring Resonators" ***Wiley-International Journal of RF and Microwave Computer Aided Engineering,*** Vol.21, No.4, 2011.

16. A.P. Freundorfer, J.Y. Siddiqui, Y.M.M. Antar and T. Thayaparan, "Characterization of UltraWideband Antennas Using Noise", ***IEEE Antennas and Wireless Propagation Letters***, Vol. 9, pp. 1263 - 1266, 2010

17. J.Y. Siddiqui, S. Datta, M. Caillet, Y.M.M. Antar, "Compact Differentially Fed Inverted Microstrip Circular Patch With an Integrated Coupler," ***IEEE Antennas and Wireless Propagation Letters***, Vol. 9, pp. 627 - 630, 2010

18. D. Guha, S. Chattopadhyay, J.Y. Siddiqui, "Estimation of Gain Enhancement Replacing PTFE by Air Substrate in a Microstrip Patch Antenna," ***IEEE Antennas and Propagation Magazine***, Vol. 52 , no. 3, pp. 92-95, June 2010

19. S. Chattopadhyay, J.Y. Siddiqui, D. Guha, "Rectangular Microstrip Patch on a Composite Dielectric Substrate for High-Gain Wide-Beam Radiation Patterns," ***IEEE Transactions on Antennas and Propagation***, Vol. 57, no. 10 ,pp. 3325 - 3328, 2009

20. S. Chattopadhyay, M. Biswas, JY Siddiqui, D. Guha, "Input Impedance of Rectangular Microstrip with variable Air gap and Varying Aspect Ratio" ***IET Microwave, Antennas Propagat.*** Vol. 3, no. 8, pp. 1151-1156, 2009

21. S. Chattopadhyay, M. Biswas, J. Y. Siddiqui and D. Guha, "Rectangular Microstrips with Variable Air Gap and Varying Aspect Ratio: Improved Formulations and Experiments," ***Wiley-Microwave Opt. Technol. Lett***. Vol. 51, No. 1, pp. 169-172, Jan. 2009.

22. J. Y. Siddiqui and D. Guha, "Applications of Triangular Microstrip Patch: Circuit Elements to Modern Wireless Antennas", ***Microwave Review,*** Vol. 13, No. 1, pp. 8-11, 2007.

23. D. Guha, M. Biswas and J. Y. Siddiqui, "Harrington's formula extended to determine accurate feed reactance of probe-fed microstrip patches", ***IEEE Antennas and Wireless Propagation Letters,*** Vol. 6, pp. 33-35. Dec. 2007

24. M. Biswas, J.Y. Siddiqui, D. Guha, and Y. M. M. Antar, "Effect of a Cylindrical Cavity on the Resonance of a Circular Microstrip Patch With Variable Air-Gap," ***IEEE Antennas and Wireless Propagation Letters,*** Vol. 5, pp. 418-420, 2006.

25. D. Guha, S. Biswas, M. Biswas, J. Y. Siddiqui and Y. M. M. Antar, " Concentric Ring Shaped Defected Ground Structures for Microstrip Applications" ***IEEE Antennas and Wireless Propagation Letters,*** Vol. 5, pp. 402-405, 2006.

26. S. S. Iqbal, M. Biswas, J. Y. Siddiqui and D. Guha, "Performance of cavity backed inverted microstrip broadband antenna," ***Indian J. Radio and Space Phy.,***Vol. 35, pp. 54-58, February 2006.

27. D. Guha, Y. M. M. Antar, J. Y. Siddiqui and M. Biswas, "Resonant resistance of probe and microstrip line-fed circular microstrip patches," ***IEE Proc. Microwaves Antennas Propagat.,***Vol. 152, No.6, pp. 481-484, Dec. 2005.
28. S. S. Iqbal, J. Y. Siddiqui and D. Guha, "Performance Of Compact Integratable Broadband Antenna," ***Electromagnetics*****, (*****Taylor and Francis*****)** No. 4, vol. 25, pp.317-327, May-June 2005.
29. D. Guha and J. Y. Siddiqui, "Resonant Frequency of Equilateral Triangular Microstrip Antenna with and without air gaps," ***IEEE Trans. Antennas Propagat.,*** vol. 52, no.8, pp.2174-2177, August 2004.
30. D. Guha andJ. Y. Siddiqui**,** "Effect of a Cavity Enclosure on the Resonant Frequency of Inverted Microstrip Circular Patch Antennas,"***IEEE Trans. Antennas Propagat.,*** vol. 52, no.8, pp.2177-2180, August 2004.
31. J. Y. Siddiqui and D. Guha, "Impedance Characteristics of Inverted Microstrip Circular Patch Antennas," ***Wiley-Microwave and Opt. Technol. Lett***. Vol. 39, No. 6, pp. 508-511, Dec. 20, 2003.
32. D. Guha and J.Y. Siddiqui, "Resonant Frequency of Circular Microstrip Antenna covered with Dielectric Superstrate," ***IEEE Trans. Antennas Propagat.***, vol. 51, no.7, pp.1649-1652, July 2003.
33. D. Guha, J.Y. Siddiqui, S.S. Iqbal**,** "Studies of Field Coupling between Stacked Microstrip Patch Resonators and Design of Broadband Radiators," ***J. Facta Universitatis****,* Special issue, vol. 3, No. 15, pp. 1121-1125, 2003.
34. D. Guha and J.Y. Siddiqui, "New cad model to calculate the resonant frequency of inverted microstrip circular patch antenna," ***Wiley-Microwave and Opt. Technol. Lett***. Vol. 35, No. 6, pp.434-437, Dec. 20, 2002.

Conference/Symposium

1. S. Alayet, J. Y. Siddiqui, Y.M.M. Antar and A. Gharsallah, "Characterization of UWB Antipodal Tapered Slot Antenna using Wave Concept Iterative Procedure"***Proc. 1st URSI Atlantic Radio Science Conference (URSI AT-RASC),****Canary Islands, May 2015*
2. C. Saha, J.Y. Siddiqui and Y.M.M. Antar, "An Ultra Wideband (UWB) Printed Slotted Monopole Antenna with Multi-functional Charactersitics"***Dig.2015 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Sc. Meeting,*** Vancouver, Canada, July 2015
3. C. Saha, L.A. Shaik, J.Y. Siddiqui and Y.M.M. Antar, "UWB Printed Monopole Antenna with Controllable Multi Notch Function using Rotational Circular SRRs"***Dig.2015 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Sc. Meeting,*** Vancouver, Canada, July 2015
4. A.P. Freundorfer, J.Y. Siddiqui, and Y.M.M. Antar,"Radar Cross-Sectional Study using Noise Radar " ***Proc. Conference on SPIE Defence Security and Systems (SPIE-DSS),*** Maryland, USA, April 20-24, 2015.
5. J.Y. Siddiqui, K.N. Siddiqui, B. Gupta, T.K. Sarkar, "Remote Diagnosis and Patient Monitoring for Cardiac Vital Signs" ***Proc. Radar and Antennas Days on the Indian Ocean (RADIO 2015),*** Mauritius, Sept.20-24,2015
6. L.Ahmed, C.Saha, B.Pramanik, and J.Y.Siddiqui," "Design of a Reconfigurable Dual State Planar Filter Using SRRs and MEMS on a Coplanar Waveguide " ***Proc. IEEE Asia Pacific Microwave Conference, APMC 2015****,* Nanjing, China,Dec. 6-9, 2015
7. C.Sarkar, L.Ahmed, C.Saha and J.Y.Siddiqui, "A Compact Circularly Polarized Broadband Microstrip Slot Antenna" ***Proc IEEE International Conference on, ICMAP 2015****,* ISM Dhanbad ,India Dec 16-18'2015.
8. C.Sarkar, L.Ahmed, C.Saha and J.Y.Siddiqui, "Spur Line Embedded Micro Strip-Fed Frequency Notched UWB Linear Taper Slot Antenna" ***Proc International Conference on Computers and Devices for Communication , CODEC 2015****,* Kolkata,India Dec 16-18'2015.

9. Sangomitro Das, A K Iyer, L.Ahmed, C. Saha , and J.Y.Siddiqui, "Design of a Frequency Notched Coplanar Tapered Slot Antenna using Split Ring Resonator " ***Proc. IEEE Applied Electromagnetics Conference, AEMC 2015****,* IIT Guwahati, India, Dec. 18-22, 2015.
10. L.Ahmed, S.Arora, C. Saha , and J.Y.Siddiqui, "Bandwidth Reconfigurable Cylindrical Dielectric Ring Resonator Antenna with Metallic Loading" ***Proc. IEEE Applied Electromagnetics Conference, AEMC 2015****,* IIT Guwahati, India, Dec. 18-22, 2015.
11. S.Arora, L.Ahmed, C. Saha , and J.Y.Siddiqui, "Metallic Capped Hybrid Inhomogeneous Hemispherical Dielectric Resonator Antenna for Enhanced Operational Bandwidth " ***Proc. IEEE Applied Electromagnetics Conference, AEMC 2015,*** IIT Guwahati, India, Dec. 18-22, 2015.
12. Aneesh Kumar, L.Ahmed, C. Saha , and J.Y.Siddiqui, "CPW Fed Dielectric Resonator Antenna with Complementary Characteristics " ***Proc. IEEE Applied Electromagnetics Conference, AEMC 2015,*** IIT Guwahati, India, Dec. 18-22, 2015.
13. K. Vamshi Krishna, P. Ravi Teja Naidu, L.Ahmed, C. Saha , and J.Y.Siddiqui, "Printed Ultrawide Band- Narrow Band Antenna Pair with Enhanced Isolation for MIMO Applications " ***Proc. IEEE Applied Electromagnetics Conference, AEMC 2015,*** IIT Guwahati, India, Dec. 18-22, 2015.
14. C. Sarkar, C. Saha and J.Y.Siddiqui "A Spur Line Loaded Microstrip-Fed UWB Linear Taper Slot Antenna with Frequency Notch Characteristics " *in* ***Proc.IEEE APSYM***, Chennai , Dec 17-19, 2014.
15. P.Nathani, L.Ahmed, C.Saha, and J.Y.Siddiqui "Hexagonal SRR Coupled UWB Vivaldi Antenna for Frequency Notched Applications " *in* ***Proc.IEEE*** *ET2ECN-2014,* Surat ,India Dec 26-27, 2014.
16. C. Saha, J.Y. Siddiqui, Y.M.M. Antar, "Multilayered Stacked Square SRR Coupled UWB Monopole Antenna with Dual Notch Function**"*Dig. 2014 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Sc. Meeting,*** Memphis, TN, July 2014
17. C.Saha, L.Ahmed and J.Y.Siddiqui"Design of a Multilayered Stacked Square SRR Coupled CPW for Dual Notch Application" *in* ***Proc. Int. Conf. on Advanced Function Materials, ICFAM 2014,*** *Trivandrum, India* Feb 19-21, 2014 .
18. C.Saha, S Choudhury and J.Y.Siddiqui"Triangular Split Ring Resonator Loaded UWB Circular Monopole Antenna with Frequency Notch Characteristics" *in****Proc. Int. Conf.,Antenna Test and Measurement Society, ATMS,*** *Chennai*,*India*, Feb10-12,2014.
19. C.Saha, L. Ahmed and J.Y.Siddiqui"Metamaterial-based Electrically Small Antenna Designed for GSM and ISM Applications " *in****Proc. Int. Conf.,Antenna Test and Measurement Society, ATMS,****Chennai,India*Feb10-12,2014.
20. C.Saha, and J.Y.Siddiqui"Compact Multiple SRR Loaded UWB Circular Monopole Antenna with Controllable Dual Frequency Notch Characteristics" *in Proc. URSI Regional Conference on Radio Science(RCRS 2014), Pune,* India, Jan 2-5, 2014.
21. C.Saha and L. Ahmed and J.Y.Siddiqui"Design of a frequency notched UWB antenna using Split Ring Resonator and its complimentary structure " *in****Proc. International Conference on Microwaves, Antennas, and Remote Sensing (ICMARS-2013)***, Jodhpur, India, December 11-14, 2013.
22. J.Y. Siddiqui, C. Saha, Y.M.M. Antar, "Compact SRR Loaded UWB Circular Monopole Antenna with Reconfigurable Characteristics**"*Dig. 2013 IEEE International Symposium on Antennas and Propagation and USNC-URSI Nat. Radio Sc. Meeting,*** Orlando, FL, July 2013
23. J.Y. Siddiqui, S.Datta, Y.M.M. Antar, "Tunable Differentially Fed Inverted Microstrip Patch Antenna**"*Dig. 2013 IEEE International Symposium on Antennas and Propagation and USNC-URSI Nat. Radio Sc. Meeting,*** Orlando, FL, July 2013
24. C.Saha and J.Y. Siddiqui, "Rotational Circular Split Ring Resonator Loaded CPW for Compact Multi-Band Notch Applications", **Proc. Int. Symp. On Electromagnetic Theory (EMTS-2013),** Hiroshima, Japan, May 20-24, 2013.
25. C.Saha and J.Y. Siddiqui "Circular Split Ring Resonator Loaded UWB Circular Monopole Antenna with Frequency Notch Characteristics " in **Proc. Annual Conference, ATMS 2013**, Feb 11-13, 2013.
26. C.Saha and **J.Y. Siddiqui** " Split Ring Resonator and Its Application in Planar UWB Antennas " in **Proc. Indian Antenna Week 2012**, Gangtok, May 27-31, 2012. (***Invited***)

27. C.Saha and J.Y. Siddiqui and Y.M.M. Antar "Square split ring resonator backed coplanar waveguide for filter applications " **Proc. URSI General Assembly and Scientific Symposium**, Istanbul, Turkey August 13-20, 2011.
28. A.P. Freundorfer, J.Y. Siddiqui, Y.M.M. Antar, and T. Thayaparan,"Radar Signature Acquisition using an Indigenously Designed Noise Radar System" ***Proceedings of SPIE***, Vol. 8021, Apr. 2011.
29. C. Saha and J.Y. Siddiqui, "A Comparative Analyis for Split Ring Resonators of Different Geometrical Shapes**"** ***Proc.IEEE Applied Electromagnetics Conference, AEMC 2011***, Kolkata, India, Dec. 18-22, 2011.
30. C.Saha, J.Y. Siddiqui ,S. Mukherjee and R. Chaudhuri "Square Split Ring Resonator with Rounded Corners: Estimation of Resonant Frequency and Calculation of Magnetic Permeability " ***Proc.*****Recent Advances on Modern Communication Systems and Nanotechnology *NCMCN 2011,*** Jaipur, India, January 6-8, 2011
31. C.Saha, J.Y. Siddiqui ,S.Mukherjee and R. Chaudhuri "Estimation of the Resonant Frequency and Magentic Polarizability of an Edge Coupled Circular Split Ring Resonator with Rotated Outer Ring" in ***Proc. IEEE Indicon 10,*** Kolkata, December 17-19, 2010.
32. C.Saha and J.Y. Siddiqui "Theoretical Model for Calculation of the Resonant Frequency of Broadside Coupled Square Split Ring Resonators" **Proc. APSYM 10,** Kochin, December 14-16, 2010.
33. C.Saha and J.Y. Siddiqui "Simplified CAD model for accurate estimation of the Resonant Frequency of Edge Coupled Hexagonal Split Ring Resonators" **Proc. APSYM 10**, Kochin, December 14-16, 2010.
34. J.Y. Siddiqui, Y.M.M. Antar, A.P. Freundorfer, S.M. Mikki and T. Thayaparan, "Tapered Slot Antenna for UWB Applications" **EMTS**, Berlin, Aug. 2010***(Invited)***
35. A.P. Freundorfer , J.Y. Siddiqui, Y.M.M. Antar and T. Thayaparan, "A Study in Antennae Characterization System Using Noise," **ANTEM/AMEREM 2010**,Ottawa, Canada, p.154, July 05-08, 2010***(Invited)***
36. J.Y. Siddiqui, Y.M.M. Antar, A.P. Freundorfer , S.M. Mikki and T. Thayaparan, "Ultra Wideband Antipodal Tapered Slot Antenna," **ANTEM/AMEREM 2010**, Ottawa, Canada, p.147, July 05-08, 2010 ***(Invited)***
37. C. Saha, J.Y. Siddiqui, "Estimation of the resonance frequency of conventional and rotational circular split ring resonators," **Applied Electromagnetics Conference (AEMC)**, pp.1-3, Dec. 2009
38. J.Y. Siddiqui, S. Datta,"A novel differentially fed inverted circular microstrip antenna," **Applied Electromagnetics Conference (AEMC),** Kolkata, India, pp. 1-4, Dec. 2009
39. S. Chattopadhyay, J.Y. Siddiqui, D. Guha,"Rectangular patch on air and air-dielectric composite substrates to achieve improved radiation characteristics," **Applied Electromagnetics Conference (AEMC)**, Kolkata, India, pp. 1-4, Dec. 2009
40. C.Saha and J.Y. Siddiqui, "Accurate Modelling of the Resonant Frequency of Square Split Ring Resonators" **Proc. APSYM 08**, Kochi, December 29-31, 2008.
41. S. Datta, C. Saha, J.Y. Siddiqui, "Investigation of varying resonant resistance of the slotted rectangular patch" **MICROWAVE 2008**,pp. 499 - 501, Jaipur, India 2008
42. C. Saha, JY Siddiqui, D. Guha and Y.M.M. Antar, "Square Split-Ring Resonators: Modeling of Resonant frequency and Polarizability" ***Proc.IEEE Applied Electromagnetics Conference,****AEMC 2007*, Kolkata, India, Dec. 2007.
43. D.Guha, JY Siddiqui, M.Biswas, S. Biswas, S. Chattopadhyay, "Microstrip Radiating Structures: Theoretical and Experimental Investigations Executed in Recent years at the University of Calcutta" ***Proc. IEEE Applied Electromagnetics Conference,*** *AEMC 2007*, Kolkata, India, Dec. 2007.
44. S. Chattopadhyay, M. Biswas, JY Siddiqui, D. Guha "CAD of Mechanically Tunable Rectangular Microstrip Patchwith Variable Aspect ratio" ***Proc. IEEE Applied Electromagnetics Conference,*** *AEMC 2007*, Kolkata, India, Dec. 2007.

45. D. Guha, K. Datta, J.Y. Siddiqui, Y.M.M. Antar, "New Two-Layer Split Ring Resonator for Metamaterial Design",***Proc. North American Radio Science MeetingURSI- CNC/USNC*** *(URSI-2007),*Ottawa, Canada, July, 2007.

46. J.Y. Siddiqui, C. Saha, D. Guha, Y.M.M. Antar, "Magnetic Polarizability of Square Split Ring Resonator – Evaluation and Characterization", ***Proc.North American Radio Science Meeting URSI- CNC/USNC*** *(URSI-2007),*Ottawa, Canada, July, 2007.

47. C. Saha, J.Y. Siddiqui, D. Guha, "Theoretical Investigation Of The Square Split Ring Resonator" ***Proc. IEEE WIE Nat. Symp. On Emerging Technologies*** *(WieNET 2007)*, Kolkata, India, June 2007.

48. S. Chattopadhyay, M. Biswas, J. Y. Siddiqui, D. Guha, "Computer Aided Design of a Microstrip Patch with Variable Air-Gap" ***Proc.CODEC-2006***, Kolkata, India, Dec. 2006.

49. M. Biswas, J.Y. Siddiqui and D. Guha, "Improved Formulations to Determine Input Impedance of a Triangular Microstrip Antenna Loaded with Dielectric Radomes"***Proc. National Conference on Recent Advancements in Microwave Technique and Applications***, pp. 54-57, Jaipur, Oct. 2006

50. M. Biswas, J.Y. Siddiqui and D. Guha, Y. M. M. Antar, Computer Aided Design Of Triangular Microstrip Patch Antenna In Multilayered Media," ***Proc. XXVIIIth URSI General Assembly***, New Delhi, Oct. 2005

51. S. Chattopadhyay, J. Y. Siddiqui and D. Guha, "Accurate CAD Formulation for Rectangular Microstrip Patch Antennas," ***Dig. IEEE Antennas and Propagations Symp****,* Washington DC, July 2005.

52. D. Guha, M. Biswas and J. Y. Siddiqui, "New CAD Model for Cavity-Backed Circular Microstrip Antenna" ***Dig. IEEE Int. Symp. on Antennas Propagat****.,* Monterey, California, June 2004.

53. J.Y. Siddiqui,D. Guha, and S.S. Iqbal, "Input Impedance Behaviour of Coax-fed Inverted Microstrip Stacked Patches," ***Proc. Int. Conf. on Communication, Devices and Intelligent Systems (CODIS)***, Jadavpur University, India, pp. 220-223, Jan. 2004.

54. M. Biswas, M. G. Tiary, K. Gupta, L. Sen, J. Y. Siddiqui and D. Guha, "Characteristics of Cavity Enclosed Circular Microstrip Patch Radiator," ***Proc. Int. Conf.on Computers and Devices for communication (CODEC-04)***, India, Jan. 2004.

55. D. Guha, J.Y. Siddiqui, S.S. Iqbal**,** "Studies of Field Coupling between Stacked Microstrip Patch Resonators and Design of Broadband Radiators," ***Proc.6th ISNM****,* University of Nis *,* Nis, Yugoslavia, August 24-29, 2003

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