

CURRICULUM VITAE

1. Name and address for correspondence: Dr SANTANU KUMAR BEHERA

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2. Designation: PROFESSOR

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5. Department: Electronics & Communication Engineering

6. Institution: NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA, INDIA

7. Date of Birth: 23rd FEBRUARY 1967

8. Gender (M/F/T): MALE

9. Specialization: Electromagnetics, Planar Antennas , Microwaves, RFID, Biosensors, IoT

10. Academic Qualification (Undergraduate Onwards)

Sl. No.	Degree	Year	Branch/Discipline	University/Institution
1.	BSc (Engg)	1990	Electronics & Telecom. Engg	VSSUT Burla, Odisha
2.	ME Tel. E	2001	Electronics & Telecom. Engg	Jadavpur University Kolkata
3.	PhD (Engg)	2008	Microstrip Antennas	Jadavpur University Kolkata
4.	Post Doc	Feb'18- May'18	RFID System for Biomedical Applications	Monash University Clayton, Australia

11. Ph.D. THESIS DETAILS.

Title: Novel Tuned Rectangular Patch antenna as a load for Phase Power combining

Field/domain: Antenna & Wave Propagation

Department: Electronics & Telecommunication Engineering

University: Jadavpur University Kolkata, India

Supervisor: Prof Dipak Ranjan Poddar and Prof Rabindra Kishore Mishra

Year of award: May 2008

12. WORK EXPERIENCE (in chronological order):

Sl. No.	Designation	Name of the	From	To	Responsibility
		Institute/Organization	Month-year	Month-Year	
1.	Lecturer Electronics	Directorate of Technical Education & Training Odisha	May 1992	Nov' 2006	Teaching & research
2.	Sr. Lecturer Electronics	Directorate of Technical Education & Training Odisha	Dec' 2006	June 2007	Teaching & research
3.	Assistant Professor	NIT Rourkela, India	July 2007	June 2009	Teaching & research

4.	Associate Professor	NIT Rourkela, India	July 2009	July 2017	Teaching & research
5.	Visiting Associate Professor	AIT Bangkok, Thailand	August 2017	January 2018	Teaching & research
6.	Visiting Researcher	Monash University Clayton, Australia	February 2018	May 2018	Research
7.	Associate Professor	NIT Rourkela	June 2018	February 2020	Teaching & research
8.	Professor	NIT Rourkela	February 2020	Till date	Teaching & research

13. STUDENT WELFARE ACTIVITIES:

Organization of student Technical Activities/cultural activities/Sports	Vice president of Technical Society, Student activity Centre, NIT Rourkela since 1 st July 2018 to till date.
Counselling of students	Faculty advisor : 1. MTech (C&N) students 2017-2019 batch 2. MTech (Microwave) students 2018-2020 batch
Other student related activities	Departmental Professor-in-charge of Weak students, 2016-17

14. Professional Recognition/ Award/ Prize/ Certificate/Fellowship received by the PI:

Sl. No.	Name of Award	Awarding Agency	Year
1.	Visiting Researcher to SDSU, CA, USA	TEQIP-II, MHRD, Govt of India	2014
2.	Elevated to Senior Member IEEE	IEEE USA	2016
3.	Visiting faculty at AIT Bangkok	MHRD, Government of India	2017
4.	Visiting researcher at Monash University Clayton, Australia (Endeavour Executive Fellowship)	Ministry of Education & Training, Government of Australia	2018

15. Books/Reports/Chapters/General articles etc.

Sl. No	Title	Author's Name	Publisher	Year of Publication
1.	Special Issue on Electronic Systems Part-I, No.4 Vol.5	S K Behera, Samit Ari & UC Pati	IJSISE, Inderscience Publishers	2012
2.	Microwave materials for defense and aerospace applications (Book chapter)	M T Sebastian, Santanu Kumar Behera et.al.	Springer Online ISBN 978-3-319-73255-8	2019

16. List of Completed Sponsored Projects as PI:

Sl. No.	Title	Funding agency	Total Financial outlay (Lakhs)	Year of start date (Month-Year)	Year of end date (Month-Year)	Status (completed, in progress or proposal submitted)
1.	Analysis of Microstrip radiator using PSO technique	Indian Space Research Organisation	INR 11.08	July 2009	June 2012	Completed
2.	Analysis of Dielectric Resonator Antenna Array	Indian Space Research Organisation	INR 10.6	July 2012	February 2015	Completed
3.	Compact Hybrid Fractal Antenna Arrays for Missile Applications	Defence Research Development Organization New Delhi	INR 49.24	July 2019	July 2022	In progress

17. Ph. D and M. Tech (Res) Research Supervision:

Sl. No	Name of student	Registration year	Project Title	Year of completion
1.	Dr. Runa Kumari	January 2010	Investigations on possible realization of log periodic dielectric resonator antenna	July 2014
2.	Dr. Yogesh Kumar Choukiker	January 2009	Investigations on some compact wideband fractal antennas	Oct'2014
3.	Dr. Natrajamani S.	July 2009	Some studies on designs of planar antennas for UWB applications	Nov'2014
4.	Dr Sheeja K L (Co-Supervisor)	January 2010	Composite right/left handed antennas for wireless LAN applications	Feb'2015
5.	Biswajit Dwivedy	January 2014	Investigations on Re-configurable Planar Antennas	Oct'19
6.	Tanmaya Kumar Das	July 2015	Small antennas for Biomedical Applications	Continuing
7.	Debakanta Behera (Co-Supervisor)	January 2015	Investigations on Microstrip based Re-configurable Antennas	Continuing
8.	Durga Prasad Mishra	July 2018	Chipless RFID for Wireless Applications	Continuing
9.	Priyabrata sethy	July 2019	Chipless RFID for IoT Applications	Continuing
10.	Subhasish Pandav	July 2019	Fractal antennas for military Applications	Continuing

MTech (Research)				
9.	Ayaskanta Panigrahi	July 2012	Design and Analysis of Dual-Linearly Polarized Dielectric Resonator Antenna Array	Jan'2016

18. CONTINUING EDUCATION AND SPECIAL LECTURES:

Sl. No.	Title of lecture/ lecture series	Date, place and place where lectures delivered	Other relevant information
1.	Expert lecture on "Planar Reconfigurable Antennas".	08/03/2017, Gujarat Technical University, Ahmedabad	Research Scholar's Week 2017
2.	Guest faculty on Recent Advances in RF-Microwave communications	26-27 April 2017 VSSUT Burla, Sambalpur	Sponsored by TEQIP-II, Government of India
3.	Key note Speaker at National Conference on "Recent Developments in RF and Microwave Communications"	23-24 August 2016 Dept. of ECE, Aditya Institute of Technology and Management Tekkali Andhra Pradesh	Sponsored by SERB, Dept. of Science & Technology Govt. of India, New Delhi

19. SHORT TERM COURSE/CONFERENCE/WORKSHOP ORGANIZED

Organized	Title	Place & date	No of participants
Workshop (Convener)	Recent advances in EMI/EMC (Sponsored by AICTE New Delhi)	EC Dept. NIT Rourkela Dec28-30'2009	27
Conference (General Chair)	International conference on Electronic Systems (ICES) 2011	EC Dept. NIT Rourkela Jan7-9, 2011	112
Short Term Course (Coordinator)	Design and Simulation of Antennas & Microwave Devices, 2015	EC Dept. NIT Rourkela June3-10, 2015	31
Short Term Course (Coordinator)	Design and Simulation of Antennas & Microwave Devices, 2016	EC Dept. NIT Rourkela June6-11, 2016	35
Short Term Course (Coordinator)	Design and Simulation of Antennas & Microwave Devices, 2017	EC Dept. NIT Rourkela Dec11-15,2017	39

20. MANAGEMENT & INSTITUTIONAL DEVELOPMENT

Sl. No.	Additional Charge	Duration		Responsibility
		From	To	
1.	Professor in Charge of Telephone Exchange & Electronics	2007	2017	Looked after Installation, maintenance of Telephone exchange
2.	Vice President (Technical society) Student Activity Centre	2018	Till date	To organize Technical Festival and involve the students in all technical activities inside as well as outside the institute

21. TEACHING LOAD (UG/PG) 2018-19/2019-20

Semester Autumn/Spring	Subject No.	Subject Name	L-T-P	No. of students
7 th Sem / BTech & Dual Degree	EC-616	Microwave Engg	3-1-0	12
7 th Sem /BTech	EC-378	Microwave Engg Lab	0-0-3	10
1 st sem/MTech (CN/MWE)	EC-6401	Microwave Devices & Ckts	3-1-0	22
6 th Sem/BTech & Dual Degree (EC)	EC-367	Product Development Lab-I	0-0-3	45
6 th Sem/BTech & Dual Degree (EC/EI)	EC-312	Electromagnetic Theory	3-0-0	85
6 th Sem/BTech & Dual Degree (EC/EI)	EC-332	Electronic Instrumentation	3-1-0	85
6 th Sem/BTech & Dual Degree (EC)	EC-368	Product Development Lab-I	0-0-3	45
8 th Semester BTech (EC)	EC-679	Antenna Design & Simulation Lab	0-0-3	07
2nd Sem/MTech (EI)	EC-694	Research Project-II	0-0-0	12
1 st sem/MTech (MWE)/ 7 th semester Dual degree (EC)	EC6471	Microwave Circuits Design Laboratory	0-0-3	14
3 rd semester (CH)	EC2700	Basic Electronics Laboratory	0-0-3	61

22. Research collaboration

Sl. No	Name of The Professor	Collaborative Institute/University	Area of research	Status
1.	Dr. Satish Kumar Sharma	SDSU, California, USA	Reconfigurable Antennas	Continuing
2.	Dr. Riana Geschke	Fraunhofer Institute of Technology Germany	Microwave Filters	Continuing
3.	Dr. Nemai Chandra Karmakar	Monash University	Chipless RFID for	Continuing

		Clayton, Australia	Biomedical Applications	
4.	Dr. Zhongxiang Shen	NTU Singapore	Reconfigurable Fractal Antennas	Continuing

Annexure – I

Journals Papers

1. Biswajit Dwivedy and Santanu Kumar Behera, “A Square Shaped Microstrip Antenna with Frequency and Circular Polarization Reconfigurability: An Approach,” *IEEE Antennas and Propagation Magazine* (accepted).
2. Santanu Kumar Behera and Neami Karmakar, “Wearable Chipless RFID tags for Biomedical Applications: A review,” *IEEE Antennas and Propagation Magazine*, Volume 62, Issue 3, DOI: 10.1109/MAP.2020.2983978.
3. Tanmaya Kumar Das, Biswajit Dwivedy, Santanu Kumar Behera, “Design of a meandered line microstrip antenna with a slotted ground plane for RFID applications,” *AEU - International Journal of Electronics and Communications*, Volume 118, May 2020, 153130 (<https://doi.org/10.1016/j.aeue.2020.153130>).
4. B. Dwivedy and S. K. Behera, “Modelling, analysis and testing of an active element based wide-band frequency tunable compact rat-race hybrid,” *AEU-International Journal of Electronics and Communications, Elsevier*. 2019, 103, pp.24-31. (<https://doi.org/10.1016/j.aeue.2019.02.009>)
5. B. Dwivedy S. K. Behera and V. K. Singh, “A Versatile Triangular Patch Array for Wideband Frequency Alteration with Concurrent Circular Polarization and Pattern Reconfigurability,” *IEEE Transactions on Antennas & Propagation*. 2019, 67, (3), pp.1640-1649. (DOI:10.1109/TAP.2018.2889371)
6. Debakanta Behera, Biswajit Dwivedy, Debasis Mishra, Santanu Behera, “Design of A CPW Fed Compact Bow-Tie Microstrip Antenna With Versatile Frequency Tunability”, *IET Microwaves and Antenna Propagation*, DOI: 10.1049/iet-map.2017.0421, pp 1-8, 2017 (online).
7. Biswajit Dwivedy, Ayaskanta Panigrahi & Santanu Kumar Behera, “An Enhanced Gain Dual-Polarized Dielectric Resonator Antenna Array with High Isolation for C-Band Applications”, *IETE Journal of Research*, DOI: 10.1080/03772063.2017.1367263, 2017 (online).
8. B Dwivedy, S K Behera and D Mishra, “Wideband Multiple Phase Shift Quad Feed Network for Polarization Reconfigurable Antennas” *Electromagnetics*, (Taylor & Francis), *Electromagnetics*, Volume 37, 2017- Issue 8.
9. Yogesh Kumar Choukiker and Santanu Kumar Behera, “Wideband Frequency Reconfigurable Koch Snowflake Fractal Antenna”, *IET Microwaves, Antennas and Propagation* 2017, Vol. 11, Issue 2, pp. 203–208.
10. Yogesh Kumar Choukiker, S K Sharma, S K Behera, “Hybrid Fractal Shape planar monopole Antenna covering multiband wireless communications with MIMO implementation for handheld mobile devices”, *IEEE Transactions on Antenna and Propagation*, Vol.62, No.3, March 2014.
11. Yogesh Kumar Choukiker, S K Behera, “Sierpinski Square Fractal Antenna for UWB application with a band notch characteristic”, *IET Microwaves Antennas and Propagation*, 8(7):506-512, May 2014.
12. Runa Kumari and Santanu Kumar Behera, “Investigation on Log Periodic Dielectric Resonator Antenna Array for Ku band Applications”, *Electromagnetics*, (Taylor & Francis), Vol. 34, Issue 1, 2014.
13. Runa Kumari and Santanu Kumar Behera, “Design of Log Periodic Dielectric Resonator Array for NATO-K band Applications”, *International Journal of Signal and Imaging Systems Engineering* 2014 Vol.7, No.4, pp.265 – 272.
14. Yogesh K Choukiker and S K Behera, “Compact Sectoral Fractal Planar Monopole Antenna for Wideband

Wireless Applications”, Microwave and Optical Technology Letters (Wiley), Vol. 56, Issue 5, pages 1073–1076, May 2014.

15. S. Natarajamani, Santanu Kumar Behera & Sarat Kumar Patra, “A triple band-notched planar antenna for UWB applications”, Journal of Electromagnetic Waves and Applications (Taylor & Francis), pp 1178-1186, Volume 27, Issue 9, 2013.
16. Runa Kumari and Santanu Kumar Behera, “Mushroom Shaped Dielectric Resonator Antenna for WiMAX Applications”, Microwave Opt Technol Lett. (Wiley), Vol. 55, Issue. 6, Jun 2013, pp 1360-1365.
17. Runa Kumari and Santanu Kumar Behera, “Nine Element Frequency independent Dielectric Resonator Array for X-band Applications”, Microwave Opt Technol Lett. (Wiley), Vol. 55, No. 2, Feb 2013, pp 400-403.
18. Runa Kumari and Santanu Kumar Behera, “A Wideband Log Periodic Dielectric Resonator Array with Overlaid Microstrip Feed Line”, IET Microwaves, Antennas and Propagation, 7(7):582-587, 2013.
19. Natarajamani S, Behera, S.K and Patra. S. K, "A triple band-notched planar antenna with 3.4 and 5.5 GHz dual band-notched characteristics", Journal of Electromagnetic wave and Application (Taylor & Francis) 27(9):1178-1186, 2013.
20. Natarajamani S, Behera, S.K and Patra. S. K, "A compact planar Diversity antenna for ultra-wide band application with band-notch function," Microwave and Optical Technology Letters (Wiley), 54(4), pp.758-764, 2013.
21. Yogesh Kumar Choukiker, Santanu Kumar Behera, Rajeev Jyoti, “Modified Sectorial Shape Fractal Antenna for Wireless LAN Application,” International Journal of RF and Microwave Computer Aided Engineering (Wiley) USA, 22(1):68–74. 2012.
22. Runa Kumari and Santanu Kumar Behera, “Miniaturized Dual band Dielectric Resonator Antenna for IEEE 802.16d fixed Wi-MAX Applications”, International Journal of RF and Microwave Computer-Aided Engineering (Wiley), 11/2012; 22(6):682-689.
23. Yogesh K Choukiker and S K Behera, “ACS-Fed Koch Fractal Shape Antenna for Wideband Application”, International Journal of Signal and Imaging Systems Engineering, 6(1):9-15. 2012.
24. Sheeja K. L., S K Behera, P K Sahu, “Bandwidth improvement of a Zeroth order resonant antenna for Wi-Max applications, International Journal of RF and Microwave CAD Engineering (Wiley), Volume 22, Issue 4, July 2012, Pages: 569–574.
25. Yogesh Kumar Choukiker, S K Behera, “Optimization of planar Antenna for ISM band using Particle swarm optimization Technique”, International Journal of Microwave and Optical Technology (Wiley), 6(3):124–129, May 2011.
26. Natarajamani S, Behera, S. K and Patra. S. K, "A triple band-notched planar monopole antenna for ultra-wide band applications," Microwave and Optical Technology Letters (Wiley), Vol.54, pp.539-543, Feb 2011.
27. Santanu Kumar Behera, Y Choukiker, “Design and Optimization of Dual Band Microstrip Antenna Using Particle Swarm Optimization Technique”, Journal of Infrared, Millimeter and Terahertz Waves (Springer). 31: 1346–1354. 2010.

Conference Papers

1. T. K. Das, D. P. Mishra and S. K. Behera, “Slotted Microstrip Antenna for 5.8 GHz ISM Band Applications,” *IEEE International Conference on Range Technology (ICORT)*, February 2019.
2. S. K. Sahu, T. K. Das, and S. K. Behera, “Design of a Multiband Triangular DRA for C-band Applications,” *IEEE International Conference on Range Technology (ICORT)*, February 2019.

3. C. K. Chaman, T. K. Das, and S. K. Behera, "Design of a Stacked Dielectric Resonator Antenna for X-band Applications," *IEEE Students' Conference on Electrical, Electronics and Computer Science (SCEECS)*, 2018.
4. V. Saideep, and Santanu Kumar Behera, "Compact Dual-Mode Single-Band Microstrip Antenna for Body Area Network applications," *IEEE International Conference on Wireless Communications Signal Processing and Networking (WiSPNET)*, Chennai, 2018.
5. Tanmaya Kumar Das, and Santanu Kumar Behera, "Design of a wideband Unidirectional Antenna for Microwave Head Imaging System," *IEEE 3rd International Conference on Microwave and Photonics (ICMAP)*, Dhandbad, 2018.
6. Snehasis Hota, Tanmaya Kumar Das, and Santanu Kumar Behera, "Frequency Reconfigurable Microstrip Patch Antenna for Wireless Applications," *2nd International Conference on Recent Trends in Electronics, Information and Communication Technology (RTEICT)*, Bengaluru, 2017.
7. Tanmaya Kumar Das, and Santanu Kumar Behera, "Design of a compact unidirectional antenna for microwave imaging applications," *IEEE Applied Electromagnetics Conference (AEMC)*, Aurangabad, 2017.
8. Tanmaya Kumar Das, and Santanu Kumar Behera, "Design of a 3D cross-fed antenna for microwave-based head imaging applications," *IEEE Applied Electromagnetics Conference (AEMC)*, Aurangabad, 2017.
9. Biswajit Dwivedy, and Santanu Kumar Behera, "A circular polarization square MPA with wide frequency tuning," *IEEE Applied Electromagnetics Conference (AEMC)*, Aurangabad, 2017.
10. Anurag Sethy, Tanmaya K Das and S K Behera, "Design of a Circularly Polarized Patch Antenna for RFID Applications", *International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET) 22 - 24 March 2017*.
11. Biswajit Dwivedy and Santanu Kumar Behera, "Design approach of a wideband frequency tunable triangular patch array with concurrent polarization alteration", *International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET) 22 - 24 March 2017*.
12. Abhinav Kumar Singh, Tanmaya Kumar Das and Santanu Kumar Behera, "Design of RFID Reader Antenna for Healthcare Applications", *International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET) 22 - 24 March 2017*.
13. D Srikar and Santanu Kumar Behera, "Design of Compact Half Mode Substrate Integrated Waveguide Band pass filters for X- band and Ku band Applications", *International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET) 22 - 24 March 2017*.
14. B. Dwivedy, S. K. Behera, and D. Mishra, "Design of a wideband equal power divider and multiple phase shifter for variable polarization", *IEEE International Students' conference on Electrical, Electronics and Computer Science, MANIT Bhopal*, March05-06, 2016.
15. A. Joshi and S. K. Behera, "Methods of moments analysis of circular loop linear array and circular loop circular array", *IEEE International Students' conference on Electrical, Electronics and Computer Science, MANIT Bhopal*, March05-06, 2016.
16. Tanmaya Kumar Das and Santanu Kumar Behera, "Design of a compact Antenna for Biomedical Applications", *IEEE International Symposium on Antennas & Propagation (APSYM2016)*, CUSAT Cochin, India.
17. A. Panigrahi and S K Behera, "H-shaped slot coupled Dual-polarised Dielectric Resonator Antenna for C-band applications", *Global Conference on Communication Technologies (GCCT'15)*, Kanyakumari, 23-24 April 2015.
18. A. Panigrahi and S K Behera, "Dual-Linearly polarized Dielectric Resonator Antenna Array for L and S-band applications", *International Conference on Microwave, Optical and Communication Engineering (ICMOCE-2015)*, IIT Bhubaneswar, Odisha, December 2015.

19. D. Behera, B. Dwivedy, D. Mishra, and S. K. Behera, "Frequency reconfigurable hourglass shaped microstrip antenna", *International Conference on Microwave, Optical and Communication Engineering (ICMOCE-2015)*, IIT Bhubaneswar, Odisha, December 2015.
20. B. Dwivedy, S. K. Behera, and D. Mishra, "Frequency Reconfigurable Monopole Antenna Loaded with Dielectric Resonator", *International Conference on Microwave, Optical and Communication Engineering (ICMOCE-2015)*, IIT Bhubaneswar, Odisha, December 2015.
21. B. Dwivedy, S. K. Behera, and D. Mishra, "Design of a Frequency Agile Rat Race Coupler", *5th IEEE Applied Electromagnetics Conference (AEMC-2015)*, IIT Guwahati, December 2015.
22. A. Panigrahi, Y. Choukiker, S K Behera and R. Jyoti, "Square ring dielectric resonator antenna foe wideband applications", *3rd International conference on computer communication and Informatics (ICCCI'14)*, Coimbatore, 03-05, Jan 2014.
23. Choukiker Y K, Behera S K, and Sharma, S K, "Hybrid Fractal shape planar antenna with MIMO implementation covering multiband Wireless communication for handheld devices," *IEEE International Symposium on Antennas and Propagation (APS2013)*, Florida, USA, 7-13, July 2013.
24. Choukiker Y K, Behera S K, and Sharma, S K "Two and Four element Wideband Sectoral Fractal Array Antennas with Omni-directional radiation patterns", *IEEE Applied Electromagnetic Conference (AEMC-13)*, Bhubaneswar, 18th-20th Dec2013.
25. Kumari Runa, Behera S K, and Sharma, S K, "Aperture Coupled Wideband Dielectric Resonator Antenna array with Polarization Reconfiguration" *IEEE Applied Electromagnetic Conference (AEMC-13)*, Bhubaneswar, 18th-20th Dec2013.
26. Gupta R D, Agrawal S and Behera S K, "Design of a Compact Reconfigurable RDRA", *19th National Conference on Communications, NCC-2013*, IIT Delhi, Feb. 15 – 17, 2013.
27. Khan I, Kumari R and Behera S K, "A Notched Chamfered Rectangular Dielectric Resonator Antenna Array for Wireless Applications", *International Multi Conference on Automation, Computing, Control, Communication and Compressed Sensing, iMac4s-2013* Kottayam, March 22 – 23, 2013.
28. Khan I, Kumari R and Behera S K, "A Four Element Rectangular Dielectric Resonator Antenna Array For Wireless Applications", *International Conference in Emerging Trends in computing, communication and Nanotechnology, ICECCN-2013* Tirunelveli, March 25 – 26, 2013.
29. Prasanna K M and Behera S K, "Compact Two-Port UWB MIMO Antenna System With High Isolation Using a Fork-Shaped Structure", *IEEE International Conference on Communication & Signal Processing, ICCSP-2013*, April 3-5, 2013, Melmaruvathur, Tamil Nadu.
30. Prasanna K M and Behera S K, "A Hexagonal MIMO Antenna System With Defected Ground Structure to Enhance Bandwidth and Isolation", *IEEE International Conference on Communication & Signal Processing, ICCSP-2013*, April 3-5, 2013, Melmaruvathur, Tamil Nadu.
31. Kumar R A, Choukiker Y K and Behera S K, "Design of Hybrid Fractal Antenna for UWB Application", *International Conference on Computing, Electronics and Electrical Technologies (ICCEET) 2012*, Noorul Islam Centre for Higher Education, Kumaracoil, Thuckalay, Kanyakumari district, Tamilnadu, 21st-22nd March 2012.
32. K. Aravinda Reddy, S. Natarajamani and Behera S K, "Antipodal Vivaldi Antenna UWB Antenna With 5.5GHz band-notch", *International Conference on Computing, Electronics and Electrical Technologies (ICCEET) 2012*, Noorul Islam Centre for Higher Education, Kumaracoil, Thuckalay, Kanyakumari district, Tamilnadu, 21st-22nd March 2012.
33. Kumari R and Behera S K, "A Compact Dual Resonance Dielectric Resonator Antenna Array with Partial Ground Plane", *1st International Conference on Recent Advances in Information Technology (RAIT 2012)*, ISM Dhanbad, Dhanbad, 15-17th March 2012.
34. Gupta R D, Behera P K and Behera S K, "Microstrip Line Fed RDRA with Improved Bandwidth", *8th International Conference on Microwaves, Antenna, Propagation & Remote Sensing, ICMARS-2012*, Jodhpur, Dec. 11 – 15, 2012.

35. Kumari R and Behera S K, "Mutual Coupling Reduction in C-shaped Dielectric Resonator Antenna array for MIMO Applications", *International Conference IEEE INDICON 2012*, Rajagiri School of Engineering & Technology, Cochin, Kerala, 7-9th December 2012.
36. Agrawal S, Gupta R D and Behera S K, "A New Dual Band Antenna with Hexagonal Carpet in Ground Plane", *8th International Conference on Microwaves, Antenna, Propagation & Remote Sensing, ICMARS-2012*, Jodhpur, Dec. 11 – 15, 2012.
37. Sheeja, K. L, Sahu, P. K, Behera, S. K, "Comparative Study of a CRLH TL Based Zeroth Order Resonant Antenna", *18th National Conference on Communications*, February 3-5, 2012, IIT Khargpur, India.
38. P. Mahender, S. Natarajamani and Behera S K, "H-Shaped Dielectric Resonator Antenna for UWB application", *International Symposium on Devices, MEMS, Intelligent System and Communication System*, 12-14 April 2011, Sikkim, India.
39. Parmar K, Kumari R and Behera S K, "Half Cylindrical Dielectric Resonator Antenna for Dual Band Applications", *International Symposium on Devices MEMS Intelligent Systems Communication (ISDMISC)*, Sikkim, 12-14, April 2011.
40. Kumari R and Behera S K, "Log Periodic Dielectric Resonator Antenna for Broadband Applications", *International Symposium on Devices MEMS Intelligent Systems Communication (ISDMISC)*, Sikkim, 12-14, April 2011.
41. Mahender P, Kumari R and Behera S K, "Compact Dual Band Hemi Spherical Dielectric Resonator Antenna", *International Conference on Electronic Systems (ICES-2011)*, 7-9 Jan 2011, NIT Rourkela, India.
42. Choukiker Y K, Rai S and Behera S K, "Modified Half-Circle Fractal Antenna Using DC Theorem for 2.4/5.2 GHz WLAN Application", *National Conference on Communication*, IISc Bangalore, 27-30 Jan, 2011.
43. Kumari R, Behera S K and Mishra R K, "Log Periodic Dielectric Resonator Antenna for K and Ka-band Applications", *International Conference on Electronic Systems (ICES-2011)*, 7-9 Jan 2011, NIT Rourkela, India.
44. S. Natarajamani, Behera S K and Patra S K, "Planar UWB Fractal Antenna with Band-Notched Characteristics", *International Conference on Electronic Systems (ICES-2011)*, 7-9 Jan 2011, NIT Rourkela, India.
45. Choukiker Y K and Behera S K, "Compact ACS-Fed Koch Fractal Shape Antenna for Wideband Application", *International Conference on Electronic Systems (ICES-2011)*, 7-9 Jan 2011, NIT Rourkela, India.
46. Kalia J and Behera S K, "Compact High Radiation Metamaterial Antenna for Wireless Applications", *International Conference on Electronic Systems (ICES-2011)*, 7-9 Jan 2011, National Institute of Technology, Rourkela, India.
47. Kalia J, Behera S K and Mishra R K, "Metamaterial Unit Cell Antenna for WLAN Application", *3rd National Conference on Signal Processing, Communications and VLSI Design (NCSCV'11)* 6th & 7th May, 2011 at Coimbatore.
48. Choukiker Y K and Behera S K, "Design of Wideband Fractal Antenna with Combination of Fractal Geometries", *International Conference on Information, Communications and Signal Processing (ICICS)-2011*, Nanyang Technological University, Singapore, 13-16 December 2011.
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