KIRTI INAMDAR

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Academic Profile:

QUALIFICATION	YEAR	INSTITUTION
Ph.D. (*Metamaterial based Microstip antenna design*)	2015	Sardar Vallabhbhai National Institute of Technology, Surat
M.E. (*Microwave Engg.)*	2003	Birla Institute of Technology, Mesra, Ranchi
B.E. (*ECE*)	2000	Sarvajanik College of Engg. & Technology, Surat
HSC	1996	KVS, AFS, Jamnagar
SSC	1994	KVS, AFS, Jamnagar

Projects:

- Digital Echo Canceller (During B.E.)
- Free Space Optical Interconnection Using Photo Refractive Crystals (During M.E.)

Research papers published:

PEER REVIEWED JOURNAL PUBLICATIONS

1. Kirti Imandar, Chandrakant R. Rana, and A. H. Lalluwadia, "Study, Design and Analysis of U-Shaped Metamaterial Absorber for X Band Application" The IUP Journal of Telecommunication, Vol. VIII, No. 1, pp. 23-37, February 2016.
2. Kirti Inamdar, Y.P. Kosta, S. Patnaik, "A Criss- Cross based ESA", *IJERA*, vol. 3, issue 3, pp. 04-07, May-June 2013.
3. Kirti Inamdar, Y.P. Kosta, S. Patnaik, "A Criss-Cross shaped left-handed metamaterial", *European Journal of Scientific Research*, vol. 104, No. 2, pp. 261-269, June 2013.

4. Kirti Inamdar, Y.P. Kosta, S. Patnaik, "A Novel Criss- Cross shaped metamaterial", *IJEAT*, vol. 2, issue 3, pp. 370-374, February 2013.
5. Kirti Inamdar, Y.P. Kosta, S. Patnaik, "Improvement of performance parameters of Microstrip antennas with Criss-Cross metamaterial based artificial substrate", European Journal of Scientific Research, ISSN 1450-216X / 1450-202X Vol.117 No.4 January, 2014, pp.505-515

SCI PUBLICATIONS

1. Kirti Inamdar, Y.P. Kosta, S. Patnaik, "Simulation based analysis of performance parameters of microstrip antennas with Criss-Cross based artificial substrate", accepted and to be published in Waves in Random and Complex Media, Taylor & Francis, http://dx.doi.org/10.1080/17455030.2014.944880
2. Kirti Inamdar, Y.P. Kosta, S. Patnaik, Proposing a Criss-Cross Metamaterial Structure for Improvement of Performance Parameters of Microstrip Antennas, PIER C, vol 52, 145-152, 2014.
3. Kirti Inamdar, Y.P. Kosta, S. Patnaik, Criss-Cross Metamaterial–Substrate Microstrip Antenna with Enhanced Gain and Bandwidth, ISSN 0735-2727, Radioelectronics and Communications Systems, 2015, Vol. 58, No. 2, pp. 69–74, © Allerton Press, Inc., 2015

CONFERENCE PUBLICATIONS

1. Kirti Imandar, Chandrakant R. Rana, and A. H. Lalluwadia, "Study, Design and Analysis of U-Shaped Metamaterial Absorber for X Band Application", National Conference on Advances in Microelectronics, Instrumentation and Communication, (MICOM), BITS Pilani, Pilani Campus, Rajasthan during November 20-22, 2015.
2. Kirti Inamdar, Y.P. Kosta, S. Patnaik, "Microstrip Patch Antenna Design with Criss-Cross Metamaterial Based Radome Cover", PIERS, Guangzhou, China, Aug. 25-28, 2014.
3. Kirti Inamdar, Y.P. Kosta, S. Patnaik, "Criss-Cross Metamaterial Based Radiating Structures for C-band Applications", PIERS, Guangzhou, China, Aug. 25-28, 2014.
4. Kirti Inamdar, Y.P. Kosta, S. Patnaik, "Macroscopic modelling of metamaterials", *PIERS*, Sweden, August 12-15, 2013 .
5. Kirti Inamdar, Y.P. Kosta, S. Patnaik, "Retrieval of S-parameters in metamaterials", *ICETT*, Kollam, Kerala, February, 2012.
6. Kirti Inamdar, Y.P. Kosta, S. Patnaik, "The negative parameter retrieval of metamaterials", *National conference on RACCCT*, Surat, 2012.
7. Kirti Inamdar, Y.P. Kosta, S. Patnaik, "Microwave concepts of Metamaterials", *International conference on ARTCOM,* October 15-16, Kottayyam, 2010. (published at IEEE Explore)
8. Kirti Inamdar, Y.P. Kosta, S. Patnaik, "Metamaterial based electrically small antennas", *IETE conference on RF & Wireless*, October, 2009.
9. Kirti Inamdar, Y.P. Kosta, S. Patnaik, "Metamaterials: Its emergence and applications", *National conference on exploring potentialities of women in engineering*, CIT, Changa, July, 2009.
10. Kirti Inamdar, Y.P. Kosta, S. Patnaik, "Negative refractive index metamaterials: Its emergence, principles and applications", *NCACA*, GITS, Udaipur, 2009.

Teaching Experience:

I have worked as a Teaching Assistant in ECED, SVNIT over a period of 10 years. My Teaching

interests include Electromagnetism & Wave Propagation Theory, Antenna Theory, RF & Microwave Engineering, Satellite Communication, Analog & Digital Communication.

Research Project:

I am working as a PI on a project entitled 'Fractal Metamaterials and its application to Wearable Antennas' to Department of Science & Technology (DST) under WOS-A scheme. It has been accepted for financial support of 3 years (2018-2020).

Personal Information:

Date of Birth: 11th Jan, 1979

Husbands's name: Mr. Kuntal Inamdar, SDE (A/T), BSNL.

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References for Contact

1. Dr. Upena Dalal
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2. Dr. J. N Sarvaiya
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