BIO-DATA

A. Name and full address : **Dr. VIRENDER KUMAR SAXENA**

B. Institution : **Department of Physics, University of Rajasthan, Jaipur-302055**

C. Date of Birth : **10-09-1963**

D. Age : **55** Years.

E. Whether belongs to SC/ST/OBC/PH: **No**

F. **National Scholarships** : (i) 1979- 1982 on the basis of merit in 10th standard exam. Board of Sec. Edu. Rajasthan.
(ii) 1982-1984 on the basis of merit in B.Sc. exam. University of Rajasthan, Jaipur.
(iii) **NET-** Appeared and qualified the CSIR's written exam. held in Dec.1984 and got JRF and SRF.

G. **Work experience** (in chronological order).

i) Positions held : **Assistant Professor [1988 to 2012]**
: **Associate Professor [2012 to till date]**

ii) Name of the Institute : **Department of Physics, University of Rajasthan, Jaipur-** 302015

H. **Award/Prize/Certificate etc. won by the applicant**.

Merit certificate for 2005-2006 for paper entitled "on the radiations from switchable triangular microstrip antenna" by **The Institution of Engineers** (India)

I. **Publications** : 51+39 = **90**

J. **PROCEEDINGS** : **Microwave 2008 and Microwave 2012**

K. **Book**: : A review chapter is written in The book "Micowave Heating" INTEC Pub.ISBN 978-953-307-573-0 www.intechopen.com

L. **Research scholars** : (i) Ph.D.Awarded - 7
: (ii) Ph.D. Submitted - 1
: (ii) Registered - 3

M. **Research Projects**:

(i) Co- investigator in Design and development of broad & dual band antennas for modern wireless communication system, Sanctioned by Dept of Information Technology, New Delhi (**approx Rs. 90.00 lacs. 2010 - 2014**)

(ii) Co-investigator in - Development of Plasma chamber set up for the study of re-entry of space vehicles, sponsored by DST.(**Rs.23.58 lacs-2007-2010**)

(iii) Co-investigator in – Development of wide band patch antenns for mobile handset applications, sponsored by UGC. (Rs.**7.74 lacs-2006-2009**)

(iv) Co-investigator in – To study the effect of ionized plasma on antennas, sponsored by ISRO-DOS, Bangalore (Rs.**7.5 lacs -2003-2005**)

N.**Organigational Experience**:

(i)***Secretary*** – National. Conference on recent advancements in Microwave technique and applications,Oct.6-8,2006Jaipur

(ii) ***Organizing Secretary*** – International conference on recent advances in Microwave theory and applications,Nov21-24,2008,Jaipur.

(iii) **Secretary -** National. Conference on recent advancements in Microwave technique and applications, July30th-Aug.1, 2012,Jaipur

O. **Current Research Fields**

(i) Dual frequency and broad-band microstrip antenns,

(ii) Generation of ECR plasma and study of communication blackout,

(iii) Synthesis of nano ferrites and development of Microwave absorbers for defence applications. Study of nano meta-materials.

P. **Conference attended in abroad**

Attended and orally presented a research paper in 2009 IEEE international symposium on antennas & propagation & USNC/URSI national radio science meeting , which was held at Charleston, SC, USA from June1-5,2009.

Visited

MIT-Boston and Harvard's University, Boston. Cambridge and Oxford Universities in UK.

Research Scholars Registered for their Ph.D. degree

S.No.	Name	Title of the Thesis	Remark
1	Mr. Osama Ali [RS/347/1997]	Study of microwave antennas and microstrip components under different environmental conditions.	Ph.D. Degree awarded 2000
2	Mr. Vijay Sharma [RS/290/2005]	Broadband microstrip antennas and antenna array for an automotive radar sensor and mobile communications	Ph.D.Degree awarded 2011
3	Ms. Pratibha Sekra [RS/156/2007]	Simulation and design of microwave components for application in plasma conditions.	Ph.D.Degree awarded 2014
4	Ms. Sumita Shekhawat [RS/551/2008]	A study of radiation characteristics and designing of S and C band microstrip antenna geometries for re-entry conditions	Ph.D.Degree awarded 2014
5	Ms Jyoti Parasar[RS/ 49 /2010]	Dispersive study of ferrite based microwave absorbing materials	Ph.D.Degree awarded 2016
6	Ms Jyoti RS/ 468 / 2011	Study of dielectric properties up to microwave frequencies and magnetic behaviour of some transition metal substituted nano crystalline ferrites	Ph.D.Degree awarded 2016
7	Mr Onkar Singh Lamba RS/139/2008	Design and Characterization of RF Window for High Power Klystrons	Ph.D.Degree awarded 2016

DR. V.K. SAXENA

LIST OF PUBLICATIONS (IN JOURNALS / BOOKS)

1. Priya Jadoun, Jyoti Sharma, Sudhish Kumar, S. N. Dolia, Deepak Bhatnagar and **V. K. Saxena,** "Structural and magnetic behavior of nanocrystalline Cr dopped Co-Mg ferrite" Ceramics International, 44(2018) pp 6747-6753.
2. C.L. Jonwal , Rashmi Sisodia , **V. K. Saxena** , Archana Sharm, and Faiza Rifat, "Ameliorating role of melatonin against 2.45 GHz microwave radiation induced oxidative stress in testis of Swiss albino mice" Int. J. Adv. Res. 4(12) pp 2846-2856, ISSN: 2320-5407 [Dec.2016] Article DOI: 10.21474/IJAR01/2712 DOI URL: http://dx.doi.org/10.21474/IJAR01/2712.
3. Neelam Choudhary, Ajay Tiwari, Jaswant S. Saini, **Virender K. Saxena**, and Deepak Bhatnagar, "Planar Arrangement of Modi_ed Concentric Rings with DefectedGround for Mobile and Wireless Communication Systems" Progress In Electromagnetics Research M, Vol. 47, [2016] pp.161-169,
4. K.G. Jangid, Ajay Tiwari, Vijay Sharma, V.S. Kulhar, **V. K. Saxena** and D. Bhatnagar, "Circular Patch Antenna with Defected Ground for UWB Communication with WLAN Band Rejection" Defence Science Journal, Vol. 66, No. 2, [2016] pp.162-167, DOI : 10.14429/dsj.66.9329.
5. Jyoti Sharma, Neha Sharma, Premlata Yadav, Jyoti Parashar, Priya Jadoun, **V. K. Saxena**, D. Bhatnagar, K. B. Sharma, "Structural and magnetic properties of Mg substituted Co nanoferrites" **AIP** Conference Proceedings **1731**, 050039 (2016); doi: 10.1063/1.4947693.
6. Jyoti Parashar, **V. K. Saxena**, Jyoti, Deepak Bhatnagar, K. B. Sharma, "Dielectric behaviour of Zn substituted Cu nano-ferrites", Journal of Magnetism and Magnetic Materials, 394 [2015] 105-110.
7. Jyoti Sharma, Neha Sharma, Jyoti Parashar, **V. K. Saxena**, D. Bhatnagar, K. B. Sharma, "Dielectric properties of nanocrystalline Co-Mg ferrites", Journal of Alloys and Compounds, 649 [2015] 362-367.
8. Jyoti, Jyoti Parashar, **V. K. Saxena**, D. Bhatnagar, K. B. Sharma, "Dielectric properties Co-Mg ferrite nanoparticles at microwave frequencies", Advanced Electro Chemistry, USA, Vol. 2, pp 1-3 [2015].

9. Jyoti Parashar, **V. K. Saxena**, Jyoti, Deepak Bhatnagar, K. B. Sharma, "Dielectric behavior of Ni substituted Cu nano-ferrite", 59th DAE Solid State Physics Symposium, December 16-20, 2014, Vellore, Tamilnadu. [Published in the AIP Proceeding **1665**, 050040 [2015]; doi: 10.1063/1.4917681]

10. Jyoti, Jyoti Parashar, **V. K. Saxena**, S. N. Dolia, D. Bhatnagar, S. Kumar, K. B. Sharma "Structural, dielectric and magnetic behavior of Nanocrystalline Zinc Substituted Magnesium Ferrite", 59th DAE Solid State Physics Symposium, December 16-20, 2014, Vellore, Tamilnadu. [Published in the AIP Proceeding **1665**, 050039 (2015); doi: 10.1063/1.4917680]

11. Priya Jadoun, Bajrang Lal Prashant, Richa, D. Bhatnagar, **V. K. Saxena**, and S. N. Dolia " Synthesis, Characterization and Dielectric Properties of Nanocrystalline CoFe2O4" Advanced Electrochemistry Vol. 2, 1–4, [2015] American Scientific Publishers.
12. Faiza Rifat,**Virender Kumar Saxena**, Preeti Srivastava, Archana Sharma, Rashmi Sisodia, Effects of 10 GHz MW exposure on hematological changes in Swiss albino mice and their modulation by Prunus domestica fruit extract, International Journal of Advanced Research, [2014], Volume 2, Issue 2, pp 386-397. ISSN 2320-5407
13. A. Sharma, R. Sisodia, D. Bhatnagar, V.K. Saxena, "Spatial memory and learning performance and its relationship to protein synthesis of Swiss albino mice exposed to 10 GHz microwaves" International Journal of Radiation Biology 90 (1) pp. 29 - 35 (2014).
14. Jyoti Parashar, **V. K. Saxena**, Jyoti, Deepak Bhatnagar, K. B. Sharma "Dielectric behavior of $Ni_{0.2}Cu_{0.2}Zn_{0.6}Fe_2O_4$ spinel ferrite", International Conference on Soft Materials, (ICSM), October, 6-10, 2014, Jaipur. [Accepted in Macromolecular Symposia]
15. Jyoti, Jyoti Parashar, **V. K. Saxena**, S. N. Dolia, D. Bhatnagar, K. B. Sharma "Study of dielectric properties of nanocrystalline Cobalt ferrite up to microwave frequencies", International Conference on Soft Materials, (ICSM), October, 6-10, 2014, Jaipur. [Accepted in Macromolecular Symposia]
16. Jyoti, **V. K. Saxena**, Jyoti Parashar, D. Bhatnagar, K. B. Sharma, "Study of dielectric Properties of Magnesium ferrite synthesized by chemical method", SKIT Research Journal, ISBN 2278-2508, Vol. **4**, 77-78 (2014).
17. Jyoti Parashar, **V. K. Saxena**, Jyoti, D. Bhatnagar, K. B. Sharma, "Dielectric behavior of $Cu_{0.4}Zn_{0.6}Fe_2O_4$ nano-ferrite", SKIT Research Journal, ISBN 2278-2508, Vol. **4**, 79-81 (2014).

18. Vijay Sharma, **V.K. Saxena**, K.B. Sharma and D. Bhatnagar [2012], "Radiation performance of Circularly Polarized Broadband Gap Coupled Elliptical Patch Antenna" FREQUENZ, ISSN: 0016-1136 Vol. 66, Issue.3, pp. 69-74.

19. Vijay Sharma, **V.K.Saxena**, K.B.Sharma and Deepak Bhatnagar [2012], "Multi-Band elliptical patch antenna with narrow slot for Wi-Max applications" International Journal of Microwave and Optical Technology, Vol.7, No. 2, pp 89-96.
20. S. P. Pareek, Arun S. Prasad, S. N. Dolia, Jyoti Parashar, **V. K. Saxena**, K. B. Sharma "Dielectric behavior of nano sized particles of Zn-Cr ferrite", AIP Conference Proceedings- **11**, 1372:212, (2011)
21. Vijay Sharma, **V.K.Saxena**, K.B.Sharma and Deepak Bhatnagar [2011], " Radiation performance of an elliptical patch antenna with three orthogonal sector slots" Romanian Journal of Information Science and Technology, Vol. 14, No. 2, pp 123-130.
22. Pratibha Sekra, S.Shekhawat, D.Bhatnagar, **V.K.Saxena**, J.S.Saini and L.M.Joshi [2011], Microwave and Optical Technology Letters, " Broadband circularly polarized gap-cocpled arrangement of rectangular patches for modern communication systems" Vol. 53, No.12, Dec. 2011, pp 2935-2939
23. Garima, D.Bhatnagar, J.S.Saini, **V.K.Saxena**, and L.M.Joshi [2011], " Design of broadband circular patch microstrip antenna with diamond shape slot" Indian Journal of Radio and Space Physics, Vol. 40, Oct.2011, pp 275-281.
24. Pratibha Sekra, Sumita Shekhawat, Manoj Dube, D.Bhatnagar, **V.K.Saxena**, and J.S.Saini, [2011], " Design of circularly polarized edge truncated elliptical patch antenna with improved performance" Indian Journal of Radio and Space Physics, Vol. 40, August 2011, pp 227-233.
25. P.Sekra, Manoj Dube, S.Shekhawat, D.Bhatnagar, **V.K.Saxena**, and J.S.Saini, "Broadband rectangular patch antenna with orthogonal crossed slits" [2011], International Journal of Microwave and Optical Technology, Vol.6, No. 4, pp 179-184.
26. P.Sekra, S.Shekhawat, D.Bhatnagar, J.S.Saini and **V.K.Saxena**, [2011], "Stacked arrangement of edge truncated elliptical and conventional circular patches for modern communication systems, Microwave and Optical Technology Letters, Vol. 53, No. 3, pp 447-452.
27. Vijay Sharma, **V.K.Saxena**, J.S.Saini, D.Bhatnagar, K.B.Sharma, and L.M.Joshi, [2011], "Broadband gap coupled assembly of patches forming elliptical patch antenna" Microwave and Optical Technology Letters, Vol. 53, No. 2, pp 340-344.

28. Garima, D.Bhatnagar, J.S.Saini and **V.K.Saxena**, [2010], "Modified circular patch antenna with key shape slot for wireless communication systems, International Journal of Microwave and Optical Technology, Vol. 52, No. 6, pp 396-401.
29. Sumita Shekhawat, Pratibha Sekra, Deepak Bhatnagar, **Virender Kumar Saxena**, and Jashwant Sing Saini, [2010], " Stacked arrangement of rectangular microstrip patches for circularly polarized broadband performance" IEEE Antennas and Wireless Propagation Letters, Vol. 9, pp 910-913.
30. Vijay Sharma, **V.K.Saxena**, J.S.Saini, D.Bhatnagar, K.B.Sharma, D.Pal, and L.M.Soni, [2010], "Wide band dual frequency right triangular microstrip antenna with parallel narrow slits" Microwave and Optical Technology Letters, Vol. 52, No. 5, pp 1082-1087.
31. Vijay Sharma, Brajraj Sharma K.B. Sharma, **V.K. Saxena** and D.Bhatnagar, [2010], "A Novel Dual Frequency S -Band Rectangular Microstrip Antenna for Radar and Space Communication" Journal of Theoretical and Applied Information Technology [JATIT], Volume 17, No 2, , pages 129-135, E-ISSN 1817-3195 / ISSN 1992-8615.
32. Brajraj Sharma, Vijay Sharma, **V.K. Saxena**, J.S. Saini, K.B. Sharma and D. Bhatnagar [2010] "Computer Aided Designed Rectangular Patch Antenna for Wi-MAX Application" Subodh Journal of Recent Trends in Information Tech., Vol.1, No. 1. ISSN 0975-9875.
33. Vijay Sharma, Brajraj Sharma, **V.K. Saxena**, K. B. Sharma and D. Bhatnagar [2010] "Computer Aided Designed Electromagnetic Simulation Software for Microstrip Antennas" Subodh Journal of Recent Trends in Info.Tech., Vol.1, No. 1. ISSN 0975-9875.
34. Vijay Sharma, S. Shekhawat, **V.K.Saxena**, J.S.Saini, K.B.Sharma, B.Soni, and D.Bhatnagar, [2009], "Right isosceles triangular microstrip antenna with narrow L-shaped slot" Microwave and Optical Technology Letters, Vol. 51, No. 12, pp 3006-3010.
35. Aradhana Kimothi, V.K. Tiwari, **V.K. Saxena**, J.S. Saini and D. Bhatnagar [2007] "Theoretical analysis on the performance of a circular sector microstrip antenna under re-entry conditions." Indian J. Physics, vol. 81, No. 12, pp1247 – 1256.
36. V.K.Tiwari, A.Kimothi, D.Bhatnagar, J.S.Saini and **V.K.Saxena** and P. Kumar [2006] "Theoretical analysis on circular sector microstrip antennas. Indian J. Radio and Space Physics, Vol. 35, pp. 133 - 138.

37. V.K.Tiwari, A.Kimothi, D.Bhatnagar, J.S.Saini and **V.K.Saxena** [2006] "Theoretical and experimental investigation of circular sector microstrip antenna." Indian J. Radio and Space Physics, Vol.35, pp.206-211.
38. V.K.Tiwari, A. Kimothi, J.S.Saini, **V.K.Saxena**, P.Kumar and D.Bhatnagar [2006] "Comparison of radiation properties of right isosceles triangular and circular sector microstrip patch antenna" Proc, Nat. Acad. Sci., 76 (A), II, pp 151 – 155.
39. D. Bhatnagar, V. Bhardwaj, J. S. Saini, **V. K. Saxena** & K. B. Sharma [2005] "On Radiations from switchable triangular microstrip antenna" J. Institution of Engineers, Vol. 86, Pt. 1, pp 9 – 15.
40. V. K. Tiwari, D. Bhatnagar, J. S. Saini, **V. K. Saxena** and P. Kumar [2005] "Effect of air gap on the performance of circular sector antennas." Indian J. Radio and Space Physics Vol. 34, pp 417 – 423.
41. V.K.Tiwari, D.Bhatnagar, J.S.Saini, **V.K.Saxena** & P.Kumar, [2005] "Radiation properties of right triangular microstrip antenna" Topics in Electromagnetic waves: Devices, Effects and Application, Edited by Prof. J.Bihari, Published by Anamaya Publishers, New Delhi,
42. Manisha Gupta, Osama Ali, J. Singh, **V. K. Saxena** and D. Bhatnagar [2002] "Effect of generation of electroacoustic waves on the radiation properties of equilateral triangular patch microstrip antenna in plasma medium". J. Institution of Engineers, Vol.82, Pt. ET/02, pp76 – 79
43. Osama Ali, **V.K. Saxena**, J. Singh and D. Bhatnagar [2000] "Radiations from a microstrip traveling wave antenna through loss less warm plasma medium" Indian J. Physics, 74 (B), pp225–228.
44. **V.K.Saxena**, R.K. Gupta, K.B.Sharma, Abhinav Dinesh, P.K.S. Pourush and Jaswant Singh [1993] "Circular patch microstrip antenna in simulated plasma medium: An experimental study, Jour. of Institution of Electronics and Telecommunication Engineers Vol. 10, No. 6, Nov–Dec. 1993 pp573-577.
45. **V.K.Saxena**, R.K. Gupta, K.B.Sharma and Sarabjeet Singh [1992] "Generation of plasma waves and its effect on radiation properties of printed circuit dipole antenna in plasma medium." Jour. of Institution of Engrs. Vol. 73 May 1992, pp22–26.

46. **V.K.Saxena**, R.K. Gupta and P.K.S. Pourush [1991] "Generation of electroacoustic waves by semicircular microstrip antenna." Jour. of Institution of Engrs. Vol. 72, Aug. 1991 pp 38–41.
47. **V.K.Saxena**, R.K. Gupta, K.B.Sharma and P.K.S. Pourush [1990] "Microwave properties in Desert soils â€“An Experimental study." Acta ciencia Indica, Vol, XVI, p–2, 1990 pp 55–62.
48. **V.K.Saxena**, R.K. Gupta and Abhinav Dinesh [1989] "Radiation characteristics of two-element array of circular patch microstrip antenna in warm plasma." Indian Jour. of Radio & Space Physics, Vol. 18, Aug. 1989, pp 139–43.
49. **V.K.Saxena** & R.K. Gupta [1988] "Radiation from a triangular microstrip antenna surrounded by an isotropic and homogeneous plasma." Indian Jour. of Radio & Space Physics, Vol. 17, No. 2, April 1988, pp 53–57.
50. **V.K.Saxena**, R.K.Gupta and K.B. Sharma [1987] "An experimental study of microstrip square patch antenna in simulated plasma condition". Jour. of Institution of Electronics and Telecommunication Engineers Vol. 33 July–Aug. 1987 pp133–36.
51. **V.K.Saxena**, R.K.Gupta and K.B. Sharma [1987] "Comparison of the performance of different types of microstrip antennas in warm plasma". Jour. of Institution of Electronics and Telecommunication Engineers Vol. 33 may–June. 1987 pp82–87.

PUBLICATIONS IN SYMPOSIUM / CONFERENCE / WORKSHOPS

1. Jyoti Parashar, **V. K. Saxena**, Jyoti, Deepak Bhatnagar, K. B. Sharma "Dielectric behaviour of $Ni_{0.2}Cu_{0.2}Zn_{0.6}Fe_2O_4$ spinel ferrite", *National Conference on Perspective of Physics in Multidisciplinary research (NCPJ),* March 12-13, 2014, Jaipur.
2. Jyoti, **V. K. Saxena**, Jyoti Parashar, S. N. Dolia, D. Bhatnagar, K. B. Sharma, "Synthesis and characterization of Magnesium substituted Cobalt nano-Ferrite", *National Conference on Perspective of Physics in Multidiciplinary research (NCPJ),* March,12-13, 2014, Jaipur.
3. Jyoti, Jyoti Parashar, **V. K. Saxena**, D. Bhatnagar, K. B. Sharma, "Dielectric properties Co-Mg ferrite nanoparticles at microwave frequencies", *National Conference on Materials and their Energy Applications (NCME-2014),* December 22-24, 2014, Jaipur,

4. Jyoti Parashar, S.P. Pareek, Jyoti Sharma, K. B. Sharma, **V. K. Saxena** "Synthesis and dielectric behavior of nano-crystalline Cu-Zn ferrite", *International Conference on Material Science and Technology (ICMST- 2012)*, June 10-14, 2012, Kottayam, Kerala.

5. Vijay Sharma, Brajraj Sharma, **V.K. Saxena**, K. B. Sharma, M.M. Sharma & D. Bhatnagar, "Circularly polarized stacked square patch microstrip antenna with tuning stubs " Work Shop on Advanced Antenna Technology (IEEE Indian Antenna Week 2012), May 27-31, 2012 (Appearing at IEEE Explorer).

6. Vijay Sharma**,** Brajraj Sharma, **V.K. Saxena**, Rajesh Jain, K. B. Sharma, D. Bhatnagar, "Right Triangular Microstrip Planar Patch Array Antenna for Automotive Radar Application" *National Conference & Workshop on Recent Advances in Modern Communication System & Nanotechnology (NCMCN - 2011)*, Jaipur, Jan 6-8, 2011.

7. Jyoti Parashar, S. P. Pareek, Jyoti Sharma, S. N Dolia, K. B. Sharma, **V K. Saxena**, Synthesis and dielectric behavior of nano-crystalline Cu-Zn ferrite, Proceedings of National Conference on Emerging Trends of Research in Material Science (ETRMS), November, 12-13, 2011, SKIT, Jaipur.

8. Vijay Sharma**, V.K. Saxena**, J.S. Saini, K. B. Sharma, D. Bhatnagar, "An Arrangement of Directly and Parasitically Coupled Rectangular Microstrip Patches for WLAN Application" *12th International Conference on Emerging Interfaces of Physical Sciences of international academy of physical sciences CONIAPS XII* December 22-24, 2010.

9. Brajraj Sharma, **Vijay Sharma,** D. Bhatnagar (SMIEEE), K.B. Sharma*, V.K. Saxena and J.S. Saini "Modified rectangular patch antenna with circular polarization and broadband performance" National symposium on "Advances in Microwave Communication, Devices and Applications organized by IEEE MTTS (India council) and RIET, Jaipur on Feb. 16-17, 2010.

10. Vijay Sharma, **V.K. Saxena**, J.S. Saini, K.B. Sharma and D. Bhatnagar "Multi-Band Elliptical Patch Antennas with Sector Slot for Wi-MAX Application" 12th international symposium on microwave and optical technology organized by University of Delhi, New Delhi, India, Dec 16-19, ISMOT 2009.

11. Vijay Sharma, K.B. Sharma, **V.K. Saxena**, D. Bhatnagar " A Novel Dual Frequency S - Band Rectangular Microstrip Antenna For Radar And Space Communication" Workshop On Microwave: Principles And Applications organized by Jawaharlal Nehru University, New Delhi 5th Nov. 2009.

12. Vijay Sharma, Brajraj Sharma, **V.K. Saxena**, D. Bhatnagar, J.S. Saini, K. B. Sharma "Broadband Dual Frequency Rectangular Microstrip Antenna with Directly coupled and Parasitic Patches for WLAN Application" National conference on Advances in Communication Technologies in Cyber Age Organized by IETE, Jaipur center on World Telecom Day 7th May 2009.
13. , Garima, Pratibha Sekra, J.S.Saini, **V.K.Saxena**, D.Bhatnagar, " Computer added design of circular patch antenna, [2009], 5th International conference on microwave antennas, antennas, propagation and remote sensing (ICMARS-2009), December 19-21, Jodhpur.
14. Vijay Sharma, **V.K.Saxena**, D.Bhatnagar, J.S.Saini, K.B.Sharma, "Single feed compact wideband elliptical patch antenna with narrow slits" [2009], Proceeding of Applied Electromagnetic Conference, (an International body), December 14-16, Calcutta.
15. Vijay Sharma, **V.K.Saxena**, D.Bhatnaga, J.S.Saini, K.B.Sharma, [2009] " Compact dual frequency wide band circular patch antenna with U- slot" Proceeding of IEEE Symposium on antenna and propagation, June 1-5, 2009, Charleston, SC, USA.ISBN No. 978-1-4244-3647-7/ 09 © 2009.
16. Garima, Pratibha Sekra, D. Bhardwaj, D. Bhatnagar, **V.K. Saxena** and J.S. Saini, [2008] "Computer aided design of rectangular microstrip antenna." 4th International Conference on Radio Science ICRS- 2008, Jodhpur, Feb. 27 – 29, 2008.
17. Aradhana Purohit, Vijay Tiwari,,J.S.Saini,**V.K.Saxena** and D.Bhatnagar2008] "Radiations from a right triangular patch antenna with and without air gap" Proceeding of International Conference on Recent advances in Microwave Theory and applications,Nov.21-24,2008, Jaipur, pp.154-156, ISBN No.978-1-4244-2690-4444/08/$25.00 c2008 IEEE.
18. Vijay Sharma, Brijraj Sharma,,**V.K.Saxena**, K.B.Sharma and D.Bhatnagar, [2008] "Modified rectangular patch antenna with air-gap for improved bandwidth " Proceeding of International Conference on Recent advances in Microwave Theory and applications,Nov.21-24,2008,Jaipur, pp.227-229, ISBN No.978-1-4244-2690-4444/08/$25.00 c2008 IEEE.

19. Aradhana Purohit, Sumita, J.S.Saini, D.Bhatnagar and **V.K.Saxena**, [2008] "Effect of ionized plasma medium on the radiation performance of right triangular microstrip antenna (RTMA)", Proceeding of International Conference on Recent advances in Microwave Theory and applications,Nov.21-24,2008, Jaipur, pp467-469, ISBN No.978-1-4244-2690-4444/08/$25.00 c2008 IEEE.
20. Vijay Sharma, **V.K. Saxena**, K.B. Sharma & D. Bhatnagar, [2008] "Circular Patch Antenna with U Shaped Slot for Broadband Operations." 39th IETE Mid Term Symposium, Jaipur, April 12 - 13, 2008.
21. Vijay Sharma, D.Bhatnagar, **V.K.Saxena** and K.B.Sharma, [2007] " Design of Broad Band Dual Frequency Right Triangular Microstrip Antenna with slits"IEEE Applied Electomagnetics conference on New Thoughts and Challenges in Microwave Education,Kolkata, 19-20 December 2007. ISBN No. 978-1-4244-1864-0/07/$25.00c2007
22. Aradhana Kimothi, Vijay Kumar Tiwari, **V.K. Saxena**, J.S. Saini and D. Bhatnagar, [2006] "Theoretical analysis on the radiation properties of a circular sector microstrip antenna in two component warm plasma medium." 21st National Symposium on Plasma Science and Technology, Dec. 19 – 22, 2006, Jaipur.
23. Aradhana Kimothi, Vijay Sharma, **V.K.Saxena**, K.B. Sharma, and D. Bhatnagar, [2006] "Mode dependent theoretical analysis of triangular (30-90-60) microstrip antenna". Proceedings of National Conference on Recent Advancements in Microwave Technique and Applications, Oct. 6-8, 2006, Jaipur
24. Aradhana Kimothi, Manoj Dubey, **V.K.Saxena**, J.S. Saini and D. Bhatnagar, [2006] "Comparison between the radiation performance of circular sector and right isosceles triangular patch antennas under re-entry conditions". Proceedings of National Conference on Recent Advancements in Microwave Technique and Applications, Oct. 6-8, 2006, Jaipur.
25. D. Bhatnagar, J.S.Saini, **V.K.Saxena**, V.K.Tiwari, Aradhana Kimothi and P.Kumar [2005] "Resonance frequency of circular sector microstrip antenna with and without air gap." Symposium on Emerging Trends in Electronics (ELECTRO–05), Paper No. B5.1, pp 310 – 312, 2 – 4 Feb. 2005, Varanasi.

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