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LIST OF PUBLICATIONS

1. **Surita Maini, Anupma Marwaha “Modeling and Simulation of Novel Antenna for the Treatment of Hepatocellular Carcinoma using Finite Element Method”** has been published in international journal of “Electromagnetic Biology and Medicine” by Taylor and Francis having ISI Impact Factor 1.041. September 2013, Vol. 32, No. 3, Pages 373-381 (doi:10.3109/15368378.2012.721849)
2. **Surita Maini, Marwaha A & Marwaha S, “Finite Element Analysis for Optimizing Antenna for Microwave Coagulation Therapy”** has been published in International Journal of Engineering Science and Technology (JESTEC) ISSN 1823-4690 vol. 6, No. 4, 2011.
3. **Surita Maini, Anupma Marwaha “Design and Performance Analysis of Multisection Floating Sleeve Antenna using FEM for Interstitial Microwave Ablation for HCC”** accepted in Point-of-Care Healthcare Technologies (PoCHT 2013) of the IEEE Engineering in Medicine and Biology Society to be held in Sheraton Bangalore, Bangalore, India, during January 16-18,2013.
4. **Surita Maini, Anupma Marwaha “Development and Analysis of Coaxial Slot Antenna in Comparison with Coaxial Dipole Antenna for Interstitial Microwave Ablation”** published in International conference “ Applied Electromagnetics, Wireless And Optical Communications (ELECTROSCIENCE '12)”, at Vouliagmeni Beach, Athens, Greece, March 7-9, 2012.

5. **Surita Maini, & Marwaha A “Comparison of Coaxial Choke and Extended Tip Choke Antenna for Interstitial Microwave Ablation of HCC”** presented in International conference World Congress on Information and communication Technology (WICT 2011), December 11-14, 2011. Technical sponsored by IEEE systems, Man & Cybernetics society spain, Czechoslovakia, Hungary, Tunisia Mumbai and IEEE SMCS Technical committee on soft computing pp. 845-849 978-1-4673-0125-1_c 2011 IEEE.

6. **Surita Maini, & Marwaha A “Microwave Interstitial Thermal ablation of Hepatic Tumors by Extended Tip Sliding Choke Antenna”** presented in Fourth International Conference on Emerging Trends in Engineering & Technology 2011 (ICETET-11) organized by G.H.Raisoni College of Engineering, Nagpur, India, at Hotel Le Meridien, Mauritius 18-20 November 2011, Technically Co-Sponsored by IEEE Systems, Man, and Cybernetics Society, IEEE Region-8, IEEE Bombay Section, SMC Chapter, IEEE Hungary SMC Chapter, The Hungarian Fuzzy Association, SMC Chapter UK, IEEE Systems, Man and Cybernetics Society Czechoslovakia pp 102-106 978-0-7695-4561-5/11 2011 IEEE DOI 10.1109/ICETET.2011.41

7. **Surita Maini, Anupma Marwaha, Sanjay Marwaha, “Optimized Design of Microwave Antenna for the removal of Liver Tumor”** presented in International Conference on Biotechnology-2011, dated, 21-23 March, at

8. **Surita Maini, Anupma Marwaha, Sanjay Marwaha, “Dipole Applicators for Interstitial Hyperthermia : Design, Modelling and Validation”** presented and published in National conference on “Recent Advances in computational

Techniques in Electrical Engineering-2011 (RACTEE-2011)” dated 25th – 26th February 2011 at SLIET, Longowal.

9. **Surita Maini**, Anupma Marwaha, Sanjay Marwaha, **“Microwave interstitial Tumor Ablation: New Modality for Treatment of Liver Cancer”**
International Conference on COMSOL, on 13-14 October, 2009 at Hotel Windsor Manor, Bangalore.