Prof. SIMONA MICLAUS, Ph.D

Selection of representative scientific contributions & research projects

A. PAPERS PUBLISHED IN PEER-REVIEWED / INTERNATIONAL DATABASE INDEXED JOURNALS & PROCEEDINGS


34. Miclaus S., Bechet P., Gheorghievici M., Long-Term Exposure To Mobile Communication Radiation: An Analysis Of Time-Variability Of Electric Field Level In GSM900 Downlink Channels, Radiation Protection Dosimetry, DOI 10.1093/rpd/ncs169, first published online 19 August 2012 - ISI


41. Miclaus S., Morega M., Characterisation of the electromagnetic environment in a TEM cell for exposure of small biological samples in the UHF band, Romanian Journal of Physics, Publishing House of the Romanian Academy, vol. 55, no.1-2, Bucharest, 2010 -ISI


44. Miclaus S., Bechet P., Bouleau I., Helbert R., Radiofrequency field distribution assessment in indoor areas covered by Wireless Local Area Networks, Advances in Electrical and Computer Engineering, vol. 9 (16), no.1, 2009 - ISI

45. Has I., Miclaus S., Has A., Analysis of a possible correlation between electrical and gravitational forces, Physics Essays, vol. 21, nr. 4, ISSN 0836-1398, Quebec, Canada, 2008 - ISI


55. Miclaus S., Bechet P., Estimated and measured values of the radiofrequency radiation power density around cellular base stations, Romanian Journal of Physics, vol.52, no.3-4, pp. 399-410, Publishing House of the Romanian Academy, ISSN 1221-146X. Bucharest, 2007 - ISI


B. CONTRIBUTIONS AT INTERNATIONAL SCIENTIFIC MEETINGS (including ISI indexed proceedings - up to 2014)

1. Miclaus S., Karpowicz J., Bechet P., Experimental analysis by dual characterization of near field impact on humans level of occupational exposure to 30-110 MHz radiation, PIERS - Progress In Electromagnetics Research Symposium, Prague, Czech Republic, 06-09 July, 2015


17. Miclaus S., Bechet P., Iftode C., Measurements precision analysis of radiofrequency field exposure levels in case of intercomparison between different frequency selective instrumentation, 15 Colloque International et exposition sur la Compatibilité Electromagnétique, Limoges, Franta, 7-9 April 2010
27. Racuciu M., Miclaus S., UHF radiofrequency electromagnetic field influence on vegetal tissue at molecular level, Abstract Book, 8TH International Congress of the European Bioelectromagnetics Association (EBEA), Bordeaux, France, 10-13 April 2007.
37. Tugulea L., Miclaus S., Ionescu A., Chlorophyll a - a Suitable Biomaterial for Monitoring the Electromagnetic Influence at Molecular Level, Abstract Book of the 22nd BEMS Annual Meeting, Munich, Germany, 9-16 June, 2000
C. PUBLISHED BOOKS


D. RESEARCH GRANTS/PROJECTS

5. Project title: “Contributions to the study and development of frequency synthesizers structures in specific applications”, Member of team, granted by Ministry of Education and Research of Romania, 2001-2002.
7. Project title: “Elaboration of a decisional instrument for the optimization of the capabilities at tactical level in the area of national security and defense”, Member of team, granted by Ministry of Education and Research of Romania, 2005-2006.

E. Other contributions

- Suppleant member of the Management Committee and member of the working group WG3 of European BMBS COST Action BM1309 - “European network for innovative uses of Electromagnetic Fields in biomedical applications (EMF-MED)” 2014-2018
- Member of the Management Committee and member of working group WG1 of European Action COST BM0704 "Emerging EMF Technologies and Health" 2008-2012

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