

Publications in Refereed Journals:

- 1- M. Hamid and **H. A. Ragheb** ,”Inverse Black Body Radiation at Microwave Frequencies”, IEEE Trans. on Antennas and Prop., Vol. AP-31, pp. 810-812, 1983.
- 2- **H. A. Ragheb** and M. Hamid, "Scattering by N Parallel Conducting Circular Cylinders", International J. of Electronics, Vol. 59, pp. 407-421, 1985.
- 3- **H. A. Ragheb**, A. El-Sherbeni and M. Hamid, "Radiation Characteristics of the Corner Array", International J. of Electronics, Vol. 60, pp. 229-238, 1985.
- 4- **H. A. Ragheb** and M. Hamid, "Scattering by Two Parallel Multi-layered Dielectric Cylinders", International J. of Electronics, Vol. 61, pp. 323-342, 1986.
- 5- **H. A. Ragheb** and M. Hamid, "Rigorous Solution of Multiply-fed Dipole Antenna", Can. J. of Phys., Vol. 64, pp. 303-310, 1986.
- 6- **H. A. Ragheb** and M. Hamid, "Simulation of a Cylindrical Reflector by Conducting Circular Cylinders", IEEE Trans. on Antennas and Prop., Vol. AP-35, pp. 349-351, 1987.
- 7- **H. A. Ragheb** and M. Hamid, "Multiple Interaction Between Radiating Dipole and Parallel Conducting Cylinder", Can. J. of Phys., Vol. 65, pp. 101-108, 1987.
- 8- **H. A. Ragheb** and M. Hamid, "An Approximation of Planck's Formula for the Inverse Black Body Radiation Problem", IEEE Trans. on Antennas and Prop., Vol. AP-35, pp. 739-742, 1987.
- 9- **H. A. Ragheb** and M. Hamid," A Survey of the Inverse Black Body Radiation Problem", J. of Electromagnetic, Vol. 7, pp. 61-70, 1987.
- 10- **H. A. Ragheb** and M. Hamid," Scattering of a Long Dipole Field by Parallel Cylindrical Scatterers", IEE Proc.-Part H, Microwave Antennas and Propagation, Vol. 135, pp. 118-124, 1988.
- 11- **H. A. Ragheb** and M. Hamid,"Simulation of Cylindrical Scattering Surface by Conducting Strips", International J. of Electronics, Vol. 64, pp. 521-535, 1988.
- 12- **H. A. Ragheb** and M. Hamid, "Scattering by two Conducting Strips with Parallel Edges", Can J. of Phys., Vol. 66, pp. 376-383, 1988.

- 13- **H. A. Ragheb** and L. Shafai," Analysis of Arbitrary Shape Printed Line Microstrip Antennas", IEEE Trans. on Antennas and Prop., Vol. AP -38, pp. 269-274, 1990.
- 14- **H. A. Ragheb** and L. Shafai," Electromagnetic Scattering From A Dielectric-Coated Elliptic Cylinder", Canadian J. of Phys., Vol. 66, pp. 1115-1122, 1988.
- 15- **H. A. Ragheb** , L. Shafai and M. Hamid, "Plane wave Scattering by a conducting Elliptic Cylinder Coated by a Nonconfocal Dielectric", IEEE Trans. on Antenna and Prop. Vol. AP-39, pp. 218-223, 1991.
- 16- A. Sebak, L. Shafai and **H. A. Ragheb** ,"Electromagnetic wave Scattering by a two layered piecewise Homogeneous confocal Elliptic Cylinders", Radio Science, Vol. 26, pp. 111-119, 1991.
- 17- **H. A. Ragheb** and L. Shafai,"Element Reduction in Phased Arrays Using Dual Mode Self Scanning Elements", Canadian Elec. and comp. Eng. Journal, Vol. 17, pp. 98-106, 1992.
- 18- **H. A. Ragheb**," Plane Wave Scattering by an Arbitrary Cross Sectional Cylinders", The Arabian Journal for Science and Engineering, Vol. 19, No. 3, pp. 439-448, July 1994.
- 19- A. Sebak, **H. A. Ragheb** and L. Shafai, " Plane Wave Scattering by Dielectric Elliptic Cylinder Coated with Non-Confocal Dielectric", Radio Science, Vol.29 ,pp.1393-1401, Dec 1994.
- 20- **H. A. Ragheb**, " Electromagnetic Scattering From a Coaxial Dielectric Circular Cylinder Loading a Semicircular Channel in a Ground Plane ", IEEE Trans. on Microwave Theory and Techniques, Vol. MTT-43, June 1995.
- 21- E. Hassan and **H. A. Ragheb**, "On the Design of linear phase Nyquist filter", IEE proceedings Circuits Syst., Vol. 143, pp. 139-142, June 1996.
- 22- **H. A. Ragheb** and E. Hassan, " Radiation Characteristics of slots on conducting circular cylinder covered by eccentric Dielectric Cylinder ", IEE Proceedings part H, Microwave Antennas and Propag., Vol. 142, No. 2,pp. 168-172, 1995.
- 23- **H. A. Ragheb**, A. Sebak and L. Shafai, " Radiation by axial slots on a dielectric coated nonconfocal conducting elliptic cylinder", IEE Proceedings part H, Microwave Antennas and Propag., Vol. 143, No. 2,pp. 124-130, April 1996.

- 24- **H. A. Ragheb**, A. Sebak and L. Shafai, " Cutoff frequencies of circular waveguide loaded with an eccentric cylinder", IEE Proceedings part H, Microwave Antennas and Propag., Vol. 144, No. 1, pp. 7-12, Feb. 1997.
- 25- **H. A. Ragheb**, A. Sebak and L. Shafai, "Radiation from an axial slot on a conducting circular cylinder with reflector wings", Journal of electromagnetic waves and applications, Vol. 11, pp. 65-76, 1997.
- 26- **H. A. Ragheb** and Umar M. Johar, " Radiation by an Axial Slot on a Dielectric-Coated Concentric Conducting Circular Cylinder Loading a Semicircular Gap in a Ground Plane", IEEE Trans. On Antennas and Propag., Vol. 46, No. 10, pp. 1542-1547.
- 27- **H. A. Ragheb** " Analysis of a Non-Confocal Suspended Strip in an Elliptical Cylindrical Waveguide", IEEE Trans. On Microwave Theory and Techniques, , Vol. 48, No. 7, pp. 1148-1151, July, 2000.
- 28- **H. A. Ragheb** and M. Hamid,"Cutoff Wavenumbers of Elliptical Waveguide loaded with Non-Confocal Elliptic Metallic Core", Journal of electromagnetic waves and applications, Vol. 15, No. 1, pp. 25-39, 2001
- 29- Hamid M. Hussein **H. A. Ragheb** and M. Hamid , " Mathieu Function of Argument and Their Applications to the scattering by lossy Elliptic Cylinder" Journal of Applied Computational Electromagnetic Society Journal, Vol. 17, No. 3, pp 209-217, Nov., 2002.
- 30- **H. A. Ragheb** "Cutoff wavenumbers of an Elliptical waveguide partially filled with nonconfocal Dielectric", Arbain Journal for Science and Engineering, Volume 29, pp. 49-64, April 2004.
- 31- **H. A. Ragheb and E. Hassan**, "Analysis of a Suspended Strip in a Circular Cylindrical Waveguide", Applied Computational Electromagnetics Society Journal, Vol. 19, No. 3, pp 165-169, Nov., 2004.
- 32- S. I. Sheikh and **H. A. Ragheb** , K. Y. Alqurashi, . and I. Babelli , "Simple Microwave Method for Detecting Water Holdup" Accepted for publication in Microwave and Optical Technology Letters.
- 33- **H. A. Ragheb** and E. Hassan , " Plane Wave Scattering by Two Dielectric Coated Strips" Submitted for publication in Applied Computational Electromagnetics Society.