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K. G. Kostov was born in Sofia, Bulgaria in 1962. He received the B.Sc. in physics and the PhD degree in plasma physics from the University of Sofia, Bulgaria in 1984 and 1994, respectively. Between 1995 and 1998 K. Kostov hold several post-doctoral positions with the Department of Physics, University of Brasilia, Brazil; the Department of Engineering Physics, McMaster University, Canada; and the Associated Plasma Laboratory, National Space Research Institute (INPE), Brazil. From 1999 to 2003 he was Assistant Professor with the Department of General Physics, University of Sofia, Bulgaria. Currently K. Kostov is Associated Professor with the Faculty of Engineering, Universidade Estadual Paulista – UNESP. His research interests include gas discharges, plasma immersion ion implantation, atmospheric pressure plasmas and surface modification of materials by plasma.