CV

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Professor of Plasma Physics, Ph.D. & Former Vice-Dean of Faculty of Science MU

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Education Experience	- B. Sc. degree in Physics by grade "Excellent" in May 1985, Faculty of Science, Mansoura University (MU). - M. Sc. in Physics (Theoretical Physics), 1989, MU Faculty of Science, Egypt. - Ph. D. in Physics (Plasma Physics), 1994, MU Faculty of Science, Egypt.
Working Experience	• 14.09.1985 – 21.11.1989: Demonstrator of Physics, Faculty of Science, Mansoura University. • 22.11.1989 – 17.07.1994: Assistant Lecturer, Physics Department, MU Faculty of Science. • 18.07.1994 – 08.04.2001: Assistant Professor, Physics Department, MU Faculty of Science. • 09.04.2001 – 26.03.2006: Associate Professor, Physics Department, MU Faculty of Science. • 27.03.2006 – till now: Full Professor, Physics Department, MU Faculty of Science. • Visiting Professor, Faculty of Engineering, Brunel University, UK, 1996. • Professor, Faculty of Science, Al-Qaseem University, Saudi Arabia, 1998 - 2010.
Representative publications or research achievements	More than 60 papers in cited journals and international conferences: 1. On the homotopy asymptotic method of quantum zakharov-kuznetsov equation in ion acoustic waves, Walailak Journal of Science and Technology (WJST) 13 (5), 365-373 (2016). 2. Propagation of electron acoustic soliton, periodic and shock waves in dissipative plasma with a q-nonextensive electron velocity distribution, Communications in Theoretical Physics 64 (5), 529 (2015). 3. New periodic solitary wave solutions for an extended generalization of Vakhnenko equation, Journal of the Association of Arab Universities for Basic and Applied, (2015). 4. Optical and radiative-transfer properties of mixed atmospheric aerosols, Advances in Space Research 55 (7), 1832-1844 (2015). 5. Radiative transfer in finite volcanic eruption clouds, Waves in Random and Complex Media 25 (1), 31-42 (2015) 6. Dust acoustic shock waves in dusty plasma of opposite polarity with non-extensive electron and ion distributions Journal of Plasma Physics 80 (3), 517 (2014). 7. Space—time fractional KdV—Burgers equation for dust acoustic shock waves in dusty plasma with non-thermal ions, Chinese Physics B 23 (7), 070505 (2014). 8. Effect of space-time fractional on the ion acoustic waves in electron-positron-ion plasma, Astrophysics and Space Science 350 (2), 591-598 (2014). 9. Radiation transfer through atmospheric aerosol media with anisotropic scattering, Astrophysics and Space Science 349 (1), 329-337 (2014). 10. Effect of nonthermality of ions on the nature of dust acoustic waves in two temperatures charged dusty grains, Astrophysics and space science 343 (2), 661-666 (2013). 11. Formulation and Solution of Space-Time Fractional KdV-Burgers Equation, Computational Methods in Science & Technology 19 (4), 235-243 (2013).