CV Prof. Dr. Atalla Mohammed Ahmed Elhanbaly Professor of Plasma Physics, Ph.D. & Ex-Head of Physics Department

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County	Egypt	Title	Prof. Dr.	Research field	Plsa	uma Physics	
Affiliation	Physics Department, Faculty of Science, Mansoura University, Mansoura 35516, EGYPT.		Degree	Full Professor			
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Education Experience	 B. Sc. degree in Physics by grade "Very Good" in May 1984, Faculty of Science, Mansoura University (MU). M. Sc. in Physics (Theoretical Physics), 1988, MU Faculty of Science, Egypt. Ph. D. in Physics (Plasma Physics), 1993, MU Faculty of Science, Egypt. 						
Working Experience	 1986 – 1989: Demonstrator of Physics, Faculty of Science, Mansoura University. 1989 – 1993: Assistant Lecturer, Physics Department, MU Faculty of Science. 1993 – 1999: Assistant Professor, Physics Department, MU Faculty of Science. 1999 – 2004: Associate Professor, Physics Department, MU Faculty of Science. 2004 – till now: Full Professor, Physics Department, MU Faculty of Science. Visiting Professor, Faculty of Engineering, Brunel University, UK, 1996. Associate Professor, Faculty of Science, Al-Qaseem University, Saudi Arabia, 1999 - 2010. 						
Representative publications or research achievements	 More than 80 papers in cited journals and international conferences: 1. Propagation features of head-on collision dust acoustic solitary waves in four-component quantum plasmas, Waves in Random and Complex Media 30 (4), 704, 2020. 2. Effects of the ionic masses and positron density on the damped behavior in nonthermal collisional plasmas, Indian Journal of Physics, 1, 2020. 3. Propagation of Solitary Waves and Double-Layers in Electron–Positron Pair Plasmas with Stationary Ions and Nonextensive Electrons, International Journal of Applied and Computational Mathematics 5 (4), 113, 2019. 4. An Analytical Study of Fractional Klein–Kramers Approximations for Describing Anomalous Diffusion of Energetic Particles, Journal of Statistical Physics 174 (4), 830, 2019. 5. Analytical solution of the space–time fractional hyperdiffusion equation, Physica A: 510, 178, 2018. 6. On the growth rate instability of nonextensively opposite polarity dusty plasmas, Advances in Space Research 62 (7), 1728, 2018. 7. General solution of a fractional Parker diffusion-convection equation describing the superdiffusive transport of energetic particles, The European Physical Journal Plus 133 (6), 209, 2018. 8. Plasma Parameters Effects on Dust Acoustic Solitary Waves in Dusty Plasmas of Four Components, Advances in Mathematical Physics, doi.org/10.1155/2018/7935317, 2018. 9. Analytical Physics, doi.org/10.1155/2018/7935317, 2018. 						

	 905810204, 2015. 20. Electron acoustic soliton energy of the Kadomtsev-Petviashvili equation in the Earth's magnetotail region at critical ion density, Astrophysics and Space Science 349 (1), 197-203, 2014. 21. Adomian decomposition method for solving fractional nonlinear differential equations, Applied Mathematics and Computation 182 (1), 313-324, 2006. 22. On the solution of the integro-differential fragmentation equation with continuous mass loss, Journal of Physics A: Mathematical and General 36 (30), 8311, 2003. 23. Group classification and symmetry reduction of variable coefficient nonlinear diffusion-convection equation, Journal of Physics A: Mathematical and General 35 (38), 8055, 2002. 24. Exact solutions of the collisional Vlasov equation, Journal of plasma physics 59 (01), 169-177, 1998. 25. Modulation of the non-linear ion acoustic waves in a plasma consisting of warm ions and isothermal electrons, Il Nuovo Cimento D 17 (6), 547-556, 1995. 26. Two-stream instability in the presence of longitudinal magnetic field, Astrophysics and space science 153 (1), 75-85, 1989.
Presentation in Important Conference	 Participated in many conferences. 3rd International Conference on Advanced Materials & Their Applications, National Research Centre, Egypt, January, 2015. 9th Conference on Nuclear and Particle Physics, Luxor-Aswan, Egypt, October, 2015. 10th Conference on Nuclear and Particle Physics, Hurghada, Egypt, October, 2017. Review scientific articles in the field of Plasma Physics and Theoretical Physics