CV

Dr. Abeer Awad Mahmoud Hassan, Associate Professor of Theoretical Physics.

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<tr><td>Name</td><td colspan="2">Abeer Awad Mahmoud, Abeer A. Mahmoud & A. A. Mahmoud</td><td>Birth Date</td><td>2/12/1978</td><td>Gender</td><td>Female</td><td rowspan="4">  </td></tr>
<tr><td>County</td><td>Egypt</td><td>Title</td><td>Ass. Prof..</td><td>Research field</td><td colspan="2">Theoretical Physics</td></tr>
<tr><td>Affiliation</td><td colspan="3">Physics Department, Faculty of Science, Mansoura University, Mansoura 35516, EGYPT.</td><td>Degree</td><td colspan="2">Associated Professor</td></tr>
<tr><td>Emails</td><td colspan="3">abeer_wd@mans.edu.eg & salmafractal@gmail.com</td><td>Tel.</td><td colspan="2">+20 1025735101</td></tr>
<tr><td>Education Experience</td><td colspan="7">- B. Sc. degree in Physics in May 2000, Faculty of Science, Mansoura University (MU), Mansoura, Egypt.
- M. Sc. in Physics (Theoretical Physics), December 2005, MU Faculty of Science, Egypt.
- Ph. D. in Physics (Theoretical Physics), April 2011, MU Faculty of Science, Egypt.</td></tr>
<tr><td>Working Experience</td><td colspan="7">• November 2000 till March 2006: Demonstrator of Physics, Faculty of Science, Mansoura University.
• March 2006 till June 2011: Assistant Lecturer, Physics Department, MU Faculty of Science.
• June 2011 till March 2018: Assistant Professor, Physics Department, MU Faculty of Science.
• March 2018 till now: Associate Professor, Physics Department, MU Faculty of Science.</td></tr>
<tr><td>Representative publications or research achievements</td><td colspan="7">More than 30 papers in cited journals and international conferences in Plasma physics:
- “Ion-acoustic waves in plasma of warm ions and isothermal electrons using time-fractional KdV equation, Chinese Physics B 20(4) 040508.2 (2011).
- “Time-fractional study of electron acoustic solitary waves in plasma of cold electron and two isothermal ions, Journal of Plasma Physics 78(6) : 641-649 (2012).
- “Ion-acoustic waves in unmagnetized collisionless weakly relativistic plasma of warm-ion and isothermal-electron using time-fractional KdV equation, Advances in Space Research 49(12): 1721-1727 (2012).
- Time-fractional Burgers equation for dust acoustic waves in a two different temperatures dusty plasma, Astrophysics and Space Science 346(2) 383-393. (2013).
- 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).
- Effect of space-time fractional on the ion acoustic waves in electron-positron-ion plasma, Astrophysics and Space Science 350(2):591-598.(2014).
- 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)
- Arbitrary amplitude dust-acoustic waves in four- component dusty plasma using non-extensive electrons and ions distributions-soliton solution, Physics of Plasmas 24 (2017).
- Effects of the non-extensive parameter on the propagation of ion acoustic waves in five-component cometary plasma system Astrophys Space Sci (2018) 363:18.
- Plasma Parameters Effects on Dust Acoustic Solitary Waves in Dusty Plasmas of Four Components, Advances in Mathematical Physics (2018)Vol 2018, Article ID 7935317.
- SPACE-TIME FRACTIONAL KdV EQUATION FOR PLASMA OF WARM IONS AND ISOTHERMAL ELECTRONS, Journal of Nuclear and Radiation Physics, Vol. 13 no. 2 (2018) 91-101.
- Nonlinear dust-acoustic waves due to the interaction of streaming protons and electrons with dusty plasma, Chaos Solitons and Fractals (2019) 118:320-327.
- Time-fractional effect on dust-acoustic double-layer waves in four component dusty plasma, Results in Physics (2019) 14:102351</td></tr>
<tr><td>Representative Awards and Oral Presentation in Important Conference</td><td colspan="7">Participated in more than 10 conferences and Summer schools.
Review scientific articles in the field of: Fractional calculus- plasma physics- Fluid mechanics.

Awards and Prizes:
– The best PhD in 2011- Mansoura University
– Tomador ElKhalfay prize in plasma and nuclear fusion.</td></tr>
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