

*Curriculum Vitae
Of. Atef Ahmed Elbendary
Assistant Professor Physics
Tanta University*

Personal Information:



Date of birth: November 22th, 1967

Permanent address:

*Physics Department, Faculty of Science, Tanta University, 31527
Tanta, Egypt.*

*Tel.: work (0020) 40 33 44 352, Ext. 512; Fax. (0020) 40 33 50 804
Home (0020) 2 24038105 , +201204855564*

*Email: atefelbendary@yahoo.com, , abendary15@hotmail.com.,
atef.elbendary@science.tanta.edu.eg*

Academic Qualifications:

- *Ph.D. Physics (2004) Tanta University, "Through the co-operation between Tanta University and Kuopio University at Finland", in Plasma Physics.
Thesis title:" On The Theory of Beam Plasma Interaction "*
- *M.Sc. Physics (1996): Tanta University in Plasma Physics,
Thesis Title " Generation and Radiation of Harmonic Waves From Inhomogeneous Magnetized Plasma "*
- *B.Sc.: Physics (1990): Tanta University (General grad Very Good).*

Language

-Germany language (Studied 196 Uhr at Goethe institute, Alex., Egypt)

-English, Very good (read, write, speak)

-Finish, First course of foreigner from Kuopio University, Finland

Employment

- . *Ass. Prof. Physics, Tanta University- April 2019- now*
- . *Ass. Prof. Physics:- Salman Ibn Abdelazeez University, KSA, 2010-2013, Head of Mathematics Department, college Alsolye.*
- . *Lecturer of physics: - Tanta University, 2004-Mar. 2019*
- . *Ass. Researcher of (Plasma Deposition)- Kuopio university, Finland, 2001-2003.*
- *Assistant Lecturer of physics: Tanta University, 1997-2001.*
- *Demonstrator of physics: Tanta University, 1992-1996.*

- . *Visiting college at Electrical & Computer Engineering Department, University New Mexico. 2008.*

Scholarship

- * *CIMO, Finish Governmental Scholarship, to carryout research under the Project title "Plasma Deposition, Carbon Ion like Diamond", in co-operation with Prof. Reijo Lappalainen, at Applied Physics Department, Kuopio University, Finland. (August 2001- April 2003).*
- * *Invitation at University New Mexico, to carryout research in "The Space Charge Limited Current at Magnetron", at Electrical & Computer Engineering Department, University New Mexico. (9/2008-10/2008).*

Teaching courses:

Quantum Mechanics, Classical Mechanics, Mathematical Physics, Electromagnetism, Plasma Physics, Thermodynamics, Electrodynamics, Properties of the Mater, heat.

List of Publication

- 1- **Nonlinear interaction of the inhomogeneous electron beam with magnetized inhomogeneous cold plasma.**
Indian Journal of Physics, Jan 2021, will be at Volume 96, [Issue 2](#)
Kh H El-Shorbagy, A A El-Bendary and H Mahassen

- 2- **Hot Quantum Electron, Ion, nonmagnetized Dusty Plasma: ion sound waves and dispersion relation.**
Arab J. Nucl. Sci. Appl., Vol. 52, 3, 121- 125(2019)
A. A. Elbendary.

- 3- **Dust acoustic waves in a dusty plasma containing hybrid Cairns-Tsallis distributed electrons and variable size dust grains.**
Chinese Journal of Physics, [Volume 58](#), April 2019, Pages 151-158
Wael El-Taibany, N.M. El-Siragy, E.E. Behery, A.A. Elbendary, Ragab Mostafa

- 4- **Landau damping of acoustic waves at the effect of variable dust size and charge of plasma dust grains**
Arab J. Nucl. Sci. Appl., Vol. 52, 3, 86-89 (2019)
A. A. Elbendary

- 5- **The effects of variable dust size and charge on dust acoustic waves propagating in a hybrid Cairns–Tsallis complex plasma**
Indian Journal of Physics, May 2018, Volume 92, [Issue 5](#), pp 661–668
W. F. El-Taibany, N. M. El-Siragy, E. E. Behery, A. A. Elbendary, R. M. Taha

- 6- **KP Equation in a three-dimensional unmagnetized warm dusty plasma with variable dust charge**
Journal of Astrophysics and Astronomy, 38, 4, 69, 2017
By Kh. H. El-Shorbagy, Hania Mahassen and A. A. EL-Bendary

- 7- **Instability of Collision Electron-Ion Warm Nonmagnetized Plasma**
Quant. Phys. Lett. 6, No. 1, 1-5 (2017)
By Atef EL-Bendary

- 8- **Generation of Rogue Waves by Interaction of Relativistic Electron Beam with Unmagnetized Dusty Plasma**
Quant. Phys. Lett. 5, No. 3, 1-5 (2016)
*By Nabil El-siragy and Atef Elbendary**

- 9- **Effect of the waves comes from cellular phone towers on human body (accepted to present at THE 3rd INTERNATIONAL ENVIRONMENTAL FORUM 12-14 JULY 2016 And appeared at abstract book pag 78, N.M.Elsiragy, R.A.Gasy and A.A.Elbandary**

- 10- **Second harmonic generation in warm collision plasma by inhomogeneous electron beam.**
Journal of basic and applied research international, Vol.16 No.3 :211-216, 2016
By KH.H.EL-SHORBAGY, N.M.EL-SIRAGY, A.EL-BENDARY AND Y.SWILEM

- 11- **The Health Effects of Electrostatic Charge in the Biosphere at Al-Sulyil City, KSA**

Academic Research International Vol. 5(2), pp52-56, March 2014

By Asma Mohammed Elbashir, Abdullah Alfalih , Atef Elbendary , Shafi Mohamed

12- Cherenkov radiation waves in inhomogeneous dusty plasma

By A. A. EL-bendary, W. F. El-Taibany, and Kh. H. El-Shorbagy

Physics of Wave Phenomena, 2013, Vol. 21, No. 3, pp. 226–230., 2013.

13- Absolute Parametric Instability In A Nonuniform Plane Plasma Wave Guide

By Kh. H. El-Shorbagy, A. A. EL-Bendary and Sh. J. Monaquel

PRAMANA Journal of Physics, Mar. 2013, pp 9829.

14- Studying the Amount of Electrostatic Charge in the Biosphere at Al-Sulyil City, KSA.

by Atef Elbendary, Abdullah Elfalih

International Review of Physics(IREPHY) April 2013 Vol. 7. n. 2, pp. 219-222

15- Excitation of Ion Cyclotron Instability in Inhomogeneous Rotating Dusty Plasma

By Atef A.EL-bendary

Adv. Studies Theor. Phys., 2012, Vol. 6, no. 18, 863 – 868.

16- Dust Acoustic Surface Waves on a Dusty Magnetized Plasma

By N. M. EL-Siragy, A. A. EL-Bendary, Kh. H. El-Shorbagy, B. M. Dakhel

International Review of PHYSICS, Oct. 2010, Vol. 4. n. 5, pp. 281-284.

17- Instability of Acoustic Surface Waves on Warm Dusty Plasma

By N. M. EL-Siragy, A. A. EL-Bendary , Kh. H. El-Shorbagy, B. M. Dakhel

Adv. Studies Theor. Phys., 2011, Vol. 5, no. 12, 585 – 593.

18- Space Charge Limited Current in a Coaxial Diode of Magnetron

By Atef EL-Bendary

International Review of PHYSICS, Dec. 2010 , Vol. 4. n. 6, pp. 298-300.

19- Z-Pinches with Multi-Dust-Acoustic Plasma Species: Ion Separation and Stability

By Kh. H. El-Shorbagy , Hania Mahassen, A. A. EL-Bendary

International Review of PHYSICS, Dec. 2009, Vol. 3. n. 6, pp. 309-313.