



Curriculum Vitae

1. Personal Data:

- **Name:** Dr SARHAN YOUSEF YOUSEF ATWA
- **Position:** Assistant Professor
- **Department:** Physics and Mathematics

2. Contact:

- **Academic E-Mail :** sarhan.atwa@sha.edu.eg
- **Internal Tel.:** 148
- **Room:** (109 D)

3. Specialization:

- **General Specialization:** Applied Mathematics
- **Specific Field** : Thermoelasticity

4. Academic Qualifications:

-B.Sc. Mathematics, 1992-May 1996, Faculty of Science, Zagazig University,

-M. Sc. 2000-October 2005, Faculty of Science, Banha University.

**Title of M.Sc. : " LINEAR AND NONLINEAR STABILITY OF TWO PERPOSED
MAGNETIC FLUIDS"**

-PHD 2007-October 2009, Faculty of Science, Zagazig University, EGYPT

**Title of PHD: " PROBLEMS ON GENERALIZED THERMOELASTICITY UNDER
GREEN NAGHDI THEORY"**

5. Teaching Experience:

- **Mathematics and mechanics**

6. Research Interests:

- **Normal Mode Method**
- **Fluid mechanics**
- **Magneto-thermoelasticity**
- **Thermoelastic diffusion**
- **Fiber-reinforced**
- **Thermo-viscoelasticity**
- **Heat and mass transfer**
- **Fiber-reinforced**
- **Thermo-viscoelasticity**
- **Voids**
- **Micropolar**
- **Microstretch**
- **Piezothermoelastic**
- **Microtemperature**

7. Publications (The five most important researches):

- 1- **M. I. A. Othman, Sarhan Y. Atwa, 2-D Problem of Anisotropic Rotating Thermoelastic Half-Space Under Green-Naghdi Theory, J. Comput. Theor. Nanosci. 12, No. 10, pp. 3263-3270 (2015).**
- 2- **Sarhan Y. Atwa, Generalized magneto-thermoelasticity with Two temperature and initial stress under Green-Naghdi theory. accepted in applied mathematical modeling on line (2014).**
- 3- **M.I.A Othman, S.Y. Atwa, Ahmed W. Elwan, Two and Three Dimensions of Generalized Thermoelastic Medium without Energy Dissipation under the Effect of Rotation, Applied Mathematics, vol. 6, (2015) pp. 793-805**
- 4- **Othman. M. I. A., Sarhan Y. Atwa, and Sarkar. N. , the effect of hydrostatic initial stress on the plane waves in a fiber-reinforced magneto-thermoelastic medium with fractional derivative heat transfer. International Applied Mechanics, 2016, Vol. 52, No. 2.**
- 5- **- Mohamed I.A. Othman, S.Y. Atwa, A.W. Elwan, Effect of Thermal Loading due to Laser Pulse on 3-D Problem of Micropolar Thermoelastic Solid, Mechanics and Mechanical Engineering, Accepted in 2/2/2017 .**

Reviewer for the following International Journals

- 1- Journal of Vibration and Control.**
- 2- Meccanica.**
- 3-Canadian Journal of Physics**
- 4- International Journal of Heat and Fluid Flow**
- 5- Applied Mathematics Letters**
- 6- International Journal of physical sciences**
- 7- Mechanics of Advanced Materials and Structure**
- 8- International Journal of Mechanical Sciences**
- 9- Applied Mathematics & Information Sciences**
- 10- Applied Mathematics and Computation**
- 11- Computers and Mathematics with Applications**
- 12- Journal of Sandwich Structures and Materials**
- 13- Multidiscipline Modeling in Materials and Structures**
- 14- International Journal of Thermophysics**
- 15- International Journal of Solids and Structures (IJSS).**
- 16-Mathematics Subject Classification.**
- 17-International Journal of Computational Methods.**
- 18-Ain Shams Engineering Journal.**
- 19-Applied Mathematics and Computation.**
- 20- AFRICAN JOURNAL OF MATHEMATICS AND COMPUTER SCIENCE RESEARC**
- 21- Applied Mathematics & Information Sciences (AMIS).**
- 22-Zeitschrift f. Naturforschung, Postfach 2645, 72016 Tübingen.**
- 23- Journal of Mechanical Science and Technology.**
- 24- Journal of Sandwich Structures and Materials.**
- 25- INTERNATIONAL JOURNAL OF THE PHYSICAL SCIENCES .**
- 26- QScience Connect.**