

**1. Name: Sarhan Y. Atwa**, Associate Professor, Department Engineering Physics and Mathematics, Higher Institute of Engineering

**2. Degrees:**

- B.S. (Mathematics) Faculty of Science, Zagazig University, Egypt 1996
- M.S (Mathematics) Faculty of Science, Banha University, Egypt 2005
- Ph.D. (Mathematics) Faculty of Science, Zagazig University, Egypt 2009

**3. Years of Service on Faculty: 15**

- 9/2022 - Present Associate Professor
- 9/2009 - 9/2022 Assistant Professor

**4. Other Experience:**

Non

**5. Consulting Activities (selected)**

Non

**6. States in which registered:**

- Cairo, Egypt.

**7. Principal publications of last 5 years (selected):**

- Sarhan Y. Atwa, Nantu Sarkar, Memory-dependent magneto–thermoelasticity for perfectly conducting two-dimensional elastic solids with thermal shock, *Journal of Ocean Engineering and Science* 4 (2019) 289–298
- Nantu Sarkar and Sarhan Y. Atwa, Two-temperature problem of a fiberreinforced thermoelastic medium with a Mode-I crack under Green–Naghdi theory. *Microsystem Technologies* Vol (23) No( 1) (2) *Microsystem Technologies* (2018) 25:1357–1367.
- Sarhan Y. Atwa, Eman , I., Two Temperature Effect on a Rotational Thermoelastic Medium with Diffusion due to Three-Phase-Lag Model, *Journal of Nanotechnology & Advanced Materials An International Journal, J. Nano. Adv. Mat.* 7, No. 1, 1-15 (2019).
- M.I.A. Othman, Sarhan Y. Atwa, Effect of pulsed laser heating on 3-D problem of thermoelastic medium with diffusion under Green-Lindsay theory. *Steel and Composite Structures*, Vol. 36, No. 3 (2020) 249-259.
- Mohamed I.A. Othman, Sarhan.Y. Atwa , E. E. M. Eraki, M. F. Ismail A thermoelastic micro-elongated layer under the effect of gravity in the context of the dual-phase lag model . Acceptance in *Zeitschrift für Angewandte Mathematik und Mechanik*
- Mohamed I.A. Othman, Sarhan.Y. Atwa , E. E. M. Eraki, M. F. Ismail The initial stress effect on a thermoelastic micro-elongated solid under the dual-phase-lag model. *Applied Physics A* (2021) 127:697.
- Mohamed I.A. Othman, Sarhan.Y. Atwa , E. E. M. Eraki, M. F. Ismail Dual-phase-lag model on microelongated thermoelastic rotating medium *Journal of Engineering and Thermal Sciences*, Vol. 2, Issue 1, 2022, p.13-26.

- Othman, M. I., Atwa, S. Y., Eraki, E. E. M., & Ismail, M. F. (2023). The Effect of Rotation on Thermoelastic Microelongated Medium under DPL Model. *Applied Mathematics and Computation*, 7(1), 1-14.
- Othman, M. I., Atwa, S. Y., Eraki, E. E. M., & Ismail, M. F. (2023). 2D Analysis of Piezoelectric Layer Over a Rotating Micro-elongated Thermoelastic Medium with DPL Mode, *Journal of Materials Science & Nanotechnology*, 10(1).
- Othman, M., Eraki, E., Atwa, S., & Ismail, M. (2023). Thermoelastic micro-stretch solid immersed in an infinite inviscid fluid and subject to a rotation under two theories. *Engineering Solid Mechanics*, 11(3), 299-310.
- Othman, M. I., Atwa, S. Y., Eraki, E. E., & Ismail, M. F. (2023). Thermoelastic micro-stretch solid immersed in an infinite inviscid fluid and subject to gravity under three-phase-lag model. *Multidiscipline Modeling in Materials and Structures*, 19(1), 21-37.
- Othman, M. I., Atwa, S. Y., Eraki, E. E., & Ismail, M. F. (2023). Effect of Initial Stress on Micro-stretch Thermoelastic Medium Immersed in an Infinite Inviscid Fluid with Two Models, *Journal of Mechanics of Materials and Structures*.
- Othman, M. I., Atwa, S. Y., Eraki, E. E., & Ismail, M. F. (2022). Plane Waves of Thermoelastic Micro-elongated Rotating Plane Loaded with a Fluid Layer under the Dual-phase-lag Model *Bulletin of Faculty of Science Zagazig University*.
- Othman, M. I., Atwa, S. Y., Eraki, E. E., & Ismail, M. F. (2023). Electro-magnetic field effect on elastic thermo-micro-stretch porous media immersed in an infinite inviscid liquid with three-phase-lag model *Journal of Vibration Engineering & Technologies*.
- Othman, M. I., Eraki, E. E., Atwa, S. Y., & Ismail, M. F. (2023). A Model of Thermo-Microstretch Rotating Poroelastic Medium Immersed in an Infinite Inviscid Fluid with Memory-Dependent Derivative. *Journal of Engineering Mechanics*, 149(12), 04023104.

**8. Scientific and professional societies of which a member**

- Egyptian Mathematical Society

**9. Honors and awards:**

Non

**10. Institutional & professional service in last 5 years:**

Non

**11. Professional Development Activities in the last 5 years:**

- Exams' Management and Students' Evaluation. National Authority for Quality Assurance and Accreditation of Education. 23 / 2 / 2021.