

Mahmoud Hassan

Curriculum Vitae



Personal Data

Full Name **Mahmoud Hassan Shehata Aly**
Nationality Egyptian
Address Mathematics Department, Faculty of Science, Sohag University, Sohag, Egypt
Date of Birth 1 Aug. 1959
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Major specialization **Applied Mathematics**
Current position **professor**
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Research Interest

Fluid Dynamics

Scopus Information

Scopus ID	No. of articles in Scopus	Citations in Scopus	h-index in Scopus
7005664294	4	10	2

Teaching (Undergraduate Courses)

Calculus (1,2) , Analytic Geometry , Statics 1 , Statics 2 , Differential Equations , Dynamics 1 , Dynamics 2 , Analytical mechanics , Fluid Dynamics , Elasticity Theory

Master Thesis

Title *Non- Linear Rayleigh- Taylor Stability Of Fluids With and Without Magnetic Field*
Prof. H.A.El-Khabiry

Ph. D. Thesis

Title *Boundary Value Problems With Moving Boundaries In Fluid Dynamics* Prof. M.A. Khidr

Publications

1. The Melting Process With Moving Boundary For Mixture Consisting Of Two Fluids.
2. Coordinate Transformation and Implicit Time Discretization For Diffusion In Glassy Polymers.
3. Establishment Of Steady-State Flow In Mixture Non-Electrically Conducting Fluids In Porous Pipes.
4. The Numerical Solution For Reaction-Diffusion Combustion With Fuel Consumption.
5. New Approach of MHD Boundary Layer Flow Towards A Porous Stretching Sheet Via Symmetry Analysis and the Generalized Exp-Function Method.

Languages

Arabic Native
English Good

Computer Skills

Expert ICDDL.