

PUBLICATIONS (International Journals)

A. Alsaberey, M. Yazdi, A.A. Altawallbeh, and I. Hashim, 2018. **Effects of nonhomogeneous nanofluid model on convective heat transfer in partially heated square cavity with conducting solid block.** *Journal of Thermal Analysis and Calorimetry*. (Springer, I.F: 2.209). (Accepted for Publication 2018).

A.A. Altawallbeh, I. Hashim, A.A. Tawalbeh, 2018. **Thermal Nonequilibrium Double Diffusive Convection in a Maxwell Fluid with Internal Heat Source.** *Journal of Physics: Conference Series (JPCS)*. IOP Conference Proceedings. (Accepted for Publication 2018).

A.A. Altawallbeh, B.S. Bhadauria, I. Hashim. 2018. **Linear and Nonlinear of Double-diffusive Convection in a Fluid Saturated Porous Layer with Soret Effect Using Thermal Nonequilibrium Model,** *Journal of Porous Media*.(accepted for publication), (Begell House, inc., Impact Factor 0.707, ISI, JCR Impact Factor 1.035).

A.A. Altawallbeh, I. Hashim, B.S. Bhadauria, 2017. **On the Linear Stability of Double-diffusive Convection in a Viscoelastic Fluid Saturated Porous Layer with Cross Diffusion Effects and Internal Heat Source.** AIP Conference Proceedings **1830**, 020008 (2017); doi: 10.1063/1.4980871.

A.A. Altawallbeh, B.S. Bhadauria, I. Hashim. 2013. **Linear and nonlinear double-diffusive convection in anisotropic porous layer with Soret effect and internal heat source.** *International Journal of heat and Mass Transfer* 59: 103-111. (Elsevier, 2013 Impact Factor: 2.4, ISI, JCR).

A.A. Altawallbeh, N.H. Saeid, I. Hashim, 2013. **Magnetic field effect on natural convection in a porous cavity heating from below and salting from side.** *Advances in Mechanical Engineering*, Volume 2013, Article ID 183079, 13 pages. doi:10.1155/2013/183079. (Hindawi Publishing Corporation, Impact Factor: 1.062, ISI, JCR).

A.A. Altawallbeh, N.H. Saeid, I. Hashim, 2013. **Numerical solution of double-diffusive natural convection in a porous cavity partially-heated from below and partially-salted from side.** *Journal of Porous Media*, 16(10): 903-919. (Begell House, inc., Impact Factor 0.707, ISI, JCR).

A.A. Altawallbeh, N.H. Saeid, I. Hashim, 2013, **Numerical Simulation of Magnetic Field Effect on Natural Convection in a Porous Cavity Heating from below and Salting From Side.** *World Applied Sciences Journal 21 (Mathematical Applications in Engineering)*: 01-05. (IDOSI Publications).

PROCEEDINGS (International Conferences)

A.A. Altawallbeh, I. Hashim, B.S. Bhadauria, 2018. Magneto-Double Diffusive Convection in a Viscoelastic Fluid Saturated Porous Layer with Internal Heat Source.

16th International Conference on Numerical Analysis and Applied Mathematics (ICNAAM 2018), 13-18 Sep 2018, Rhodes, Greece. *The conference proceedings published by the American Institute of Physics (AIP) in AIP Conference Proceedings.*

A.A. Altawallbeh, I. Hashim, A.A. Tawalbeh, 2018. Thermal Non-equilibrium Double Diffusive Convection in a Maxwell Fluid with Internal Heat Source. **International conf. on mathematical sciences and statistics (ICMSS2018) 6-8 Feb. 2018, Putrajaya, Malaysia.**

A.A. Altawallbeh, 2017. Thermal Non-equilibrium Double Diffusive Convection

in a Couple Stress Fluid Saturated Porous Layer. **International Conference on Applied Analysis and Mathematical Modeling (ICAAMM 2017). 03-07 July 2017, Istanbul, Turkey.**

A.A. Altawallbeh, I. Hashim, B.S. Bhadauria, 2016. **On the Linear Stability of Double-diffusive Convection in a Viscoelastic Fluid Saturated Porous Layer with Cross Diffusion Effects and Internal Heat Source.** **The 4th International Conference on Mathematical Sciences (ICMS4) 15-17 November 2016, Malaysia.** *The ICMS4 proceedings published by the American Institute of Physics (AIP) in AIP Conference Proceedings series, and indexed by ISI and Scopus.*

A.A. Altawallbeh, B.S. Bhadauria, I. Hashim. 2013. **On the stability of double-diffusive convection in a porous layer with throughflow and internal heat source.** International Conference on Mathematical Modeling and Numerical Simulation, July 01-03, 2013, Department of Applied Mathematics, Babasaheb Bhimrao Ambedkar University, Lucknow, India.

A.A. Altawallbeh, N.H. Saeid, I. Hashim, 2013. **Numerical simulation of magnetic field effect on natural convection in a porous cavity heating from below and salting from side.** *Proceedings of the 2nd International Conference on Mathematical Applications in Engineering (ICMAE2012), 3-5 July 2012, Kuala Lumpur, Malaysia.* ISI.

A.A. Altawallbeh, B.S. Bhadauria, I. Hashim. 2013. **On the stability of double-diffusive natural convection in anisotropic porous layer with Soret effect and internal heat source.** 12th postgraduate colloquium, 4-5 July 2012, Faculty of Science and Technology, University Kebangsaan Malaysia (UKM), Malaysia

A.A. Altawallbeh, I. Hashim. 2011. **Viscous dissipation effect on natural convection in a square cavity filled with a porous medium.** *Proceedings of Universiti Malaysia Terengganu 10th International Annual Symposium 2011 (UMTAS2011).*

CONFERENCES (Attended)

20th National Symposium in Mathematical Sciences

18-20 December 2012, Palm Garden Hotel, Putrajaya, Malaysia.

7th International Congress on Industrial & Applied Mathematics (ICIAM2011)

18 – 22 July 2011, Vancouver, British Columbia, Canada.

10th International Annual Symposium (UMTAS 2011), Universiti Malaysia

Terengganu, 11-13 July 2011, Permai Hotel, Kuala Terengganu, Malaysia.

CIMPA-UNESCO-SYRIA

"Theoretical and applied aspects of some PDEs coming from geometry or physics"

15/05/2004 – 27/05/2004, Damascus University, Damascus, Syria