



CURRICULUM VITAE

Ishak Hashim

March 17, 2012

1 PERSONAL DATA

Name : ISHAK HASHIM
Date of Birth : 16 November 1969
Sex : Male
Title of Position Held : Lecturer (1998–April 2003)
Assoc. Prof. (April 2003–July 2008)
Prof. (Aug 2008–present)

2 ACADEMIC QUALIFICATIONS

Doctor of Philosophy : University of Strathclyde, Glasgow, UK, March 1998.
Industrial Mathematics (Theoretical Analysis of the Onset of Bénard-Marangoni Convection)
Master of Science : Heriot-Watt University, Edinburgh, UK, Sept. 1994.
Mathematics of Nonlinear Models
Bachelor of Science : Ohio State University, Columbus, USA, June 1992.
Mathematics
Associate of General Studies : Indiana University, Indiana, USA, December 1989.

3 JOURNALS

4 PUBLICATIONS

4.1 Journals

(accepted)

1. M. Sheikholeslami, G. Domairry, H.R. Ashorynejad, I. Hashim*. Flow and heat transfer of Cu-water nanofluid between a stretching sheet and a porous surface in a rotating system. *J. Appl. Math.* (Hindawi, ISSN 1110-757X, 2010 Impact Factor: 0.630), **ISI**, Q3 (accepted) 15/3/12.
2. M.S.H. Chowdhury, I. Hashim, S. Momani*, S.M. Momani, M.M. Rahman. Application of multistage homotopy perturbation method to the chaotic Genesio system. *Abstract Appl. Anal.* (Hindawi, ISSN 1085-3375, 2010 Impact Factor: 1.442), **ISI**, **Q1** (accepted) 8/3/12.
3. Mohammad Maleki*, Ishak Hashim, Saeid Abbasbandy. Analysis of IVPs and BVPs on semi-infinite domains via collocation methods. *J. Appl. Math.* (Hindawi, ISSN 1110-757X, 2010 Impact Factor: 0.630), **ISI**, Q3 (accepted) 28/2/12.

4. M.S. Selamat*, I. Hashim, M.K. Hasan. Transient natural convection in porous square cavity heated and cooled on adjacent walls. *Mathl. Probl. Eng.* (Hindawi, ISSN 1024-123X, 2010 Impact Factor: 0.689), **ISI**, Q3 (accepted) 31/1/12.
5. S. Abbasbandy*, S. Hashemi, I. Hashim. On convergence of homotopy analysis method and its application to fractional integro-differential equations. *Quaest. Math.* (Taylor & Francis, ISSN 1607-3606, 2010 Impact Factor: 0.412), **ISI**, Q4 (accepted) 31/12/11.
6. H. Saleh, Z. Mustafa, I. Hashim*, R. Roslan. 2012. Feedback control of flows in a porous square enclosure having non-uniform internal heating. *J. Porous Media* (Begell House, ISSN 1091-028X, 2010 Impact Factor: 0.707), **ISI**, Q2 (accepted) 23/2/11.

2012

7. N.F.M. Noor, S. Abbasbandy, I. Hashim*. 2012. Heat and mass transfer of thermophoretic MHD flow over an inclined radiate isothermal permeable surface in the presence of heat source/sink. *Int. J. Heat Mass Transfer* 55: 2122–2128. (Elsevier, ISSN 0017-9310, 2010 Impact Factor: 1.898), **ISI**, **Q1**
8. K. Moaddy, A.G. Radwan*, K.N. Salama, S. Momani, I. Hashim. 2012. The fractional-order modeling and synchronization of electrically coupled neuron systems. *Comput. Math. Appl.* (Elsevier, ISSN 0898-1221, 2010 Impact Factor: 1.472), **ISI**, **Q1**
9. Mohammad Hossein Yazdi*, Shahrir Abdullah, Ishak Hashim, Kamaruzzaman Sopian. 2012. Entropy generation analysis of open parallel microchannels embedded within permeable stretching surface: Application to magnetohydrodynamics (MHD). *Entropy* 14: 1–23. (MDPI, ISSN 1099-4300, 2010 Impact Factor: 1.109), **ISI**, Q2
10. K. Moaddy, I. Hashim*, H. Saleh. 2012. A nonstandard finite difference scheme for convection in a porous cavity. *J. Difference Equ. Appl.* DOI: 10.1080/10236198.2010.510138 (Taylor & Francis, ISSN 1023-6198, 2010 Impact Factor: 0.951), **ISI**, Q2
11. R.C. Aziz, I. Hashim*, S. Abbasbandy. 2012. Effects of thermocapillarity and thermal radiation on flow and heat transfer in a thin liquid film on an unsteady stretching sheet. *Mathl. Probl. Eng.* Volume 2012, Article ID 127320, 14 pages (Hindawi, ISSN 1024-123X, 2010 Impact Factor: 0.689), **ISI**, Q3

2011

12. S. Abbasbandy*, E. Shivanian, I. Hashim. 2011. Exact analytical solution of forced convection in a porous-saturated duct. *Commun. Nonlinear Sci. Numer. Simulat.* 16: 3981–3989. (Elsevier, ISSN: 1007-5704, 2010 Impact Factor: 2.697), **ISI**, **Q1** **TOP 5%** TST2011872
13. H. Saleh, R. Roslan, I. Hashim*. 2011. Natural convection heat transfer in a nanofluid-filled trapezoidal enclosure. *Int. J. Heat Mass Transfer* 54: 194–201. (Elsevier, ISSN 0017-9310, 2010 Impact Factor: 1.898), **ISI**, **Q1** T152011149
14. R. Roslan, N.M. Mahmud, I. Hashim*. 2011. Effects of feedback control on chaotic convection in fluid-saturated porous media. *Int. J. Heat Mass Transfer* 54: 404–412. (Elsevier, ISSN 0017-9310, 2010 Impact Factor: 1.898), **ISI**, **Q1** T152011107
15. K. Moaddy, I. Hashim, S. Momani*. 2011. Non-standard finite difference schemes for solving fractional-order Rössler chaotic and hyperchaotic systems. *Comput. Math. Appl.* 62(3): 1068–1074. (Elsevier, ISSN 0898-1221, 2010 Impact Factor: 1.472), **ISI**, **Q1** T152011818

16. K. Moaddy, S. Momani*, I. Hashim. 2011. The non-standard finite difference scheme for linear fractional PDEs in fluid mechanics. *Comput. Math. Appl.* 61(4): 1209–1216. (Elsevier, ISSN 0898-1221, 2010 Impact Factor: 1.472), **ISI**, **Q1** TST2011875
17. N.M. Mahmud, I. Hashim*. 2011. Effects of a magnetic field on chaotic convection in fluid layer heated from below. *Int. Commun. Heat Mass Transfer* 38(4): 481–486. (Elsevier, ISSN 0735-1933, 2010 Impact Factor: 1.609), **ISI**, **Q1** T152011178
18. M.H. Yazdi*, S. Abdullah, I. Hashim, K. Sopian. 2011. Slip MHD liquid flow and heat transfer over nonlinear permeable stretching surface with chemical reaction. *Int. J. Heat Mass Transfer* 54(15-16): 3214–3225. (Elsevier, ISSN 0017-9310, 2010 Impact Factor: 1.898), **ISI**, **Q1** TTK2011695
19. R. Roslan, H. Saleh, I. Hashim*. 2011. Buoyancy-driven heat transfer in nanofluid-filled trapezoidal enclosure with variable thermal conductivity and viscosity. *Numer. Heat Transfer, Part A: Appl.* 60(10): 867–882. (Taylor & Francis, ISSN 1040-7782, 2010 Impact Factor: 1.183), **ISI**, **Q2** TST20111217
20. A.K. Alomari*, I. Hashim. 2011. Analysis of fully developed flow and heat transfer in a vertical channel with prescribed wall heat fluxes by the homotopy analysis method. *Int. J. Numer. Meth. Fluids* 67(7): 805–819. (John Wiley & Sons, ISSN 0271-2091, 2010 Impact Factor: 1.058), **ISI**, **Q2** TST20111218
21. N.M. Mahmud, I. Hashim*. 2011. Small and moderate Vadasz number chaotic convection in porous media in the presence of non-Boussinesq effects and feedback control. *Phys. Lett. A* 375(24): 2382–2393. (Elsevier, ISSN 0375-9601, 2010 Impact Factor: 1.963), **ISI**, **Q2** TST2011877
22. H. Saleh, R. Roslan, I. Hashim*. 2011. Natural convection in a porous trapezoidal enclosure with an inclined magnetic field. *Computers & Fluids* 47(1): 155–164. (Elsevier, ISSN 0045-7930, 2010 Impact Factor: 1.433), **ISI**, **Q2** TST2011876
23. H. Saleh, N. Saeid, I. Hashim*, Z. Mustafa. 2011. Effect of conduction in bottom wall on Darcy–Bénard convection in a porous enclosure. *Transp. Porous Med.* 88: 357–368. (Springer, ISSN 0169-3913, 2010 Impact Factor: 1.168), **ISI**, **Q2** TST2011874
24. R. Idris, I. Hashim*. 2011. On the effects of cubic temperature profile on oscillatory Rayleigh–Bénard convection in a viscoelastic fluid-filled high-porosity medium. *J. Porous Media* 14(5): 437–447. (Begell House, ISSN 1091-028X, 2010 Impact Factor: 0.707), **ISI**, **Q2** TST2011873
25. M.H. Yazdi*, S. Abdullah, I. Hashim, K. Sopian. 2011. Effects of viscous dissipation on the slip MHD flow and heat transfer past a permeable surface with convective boundary condition. *Energies* 4: 2273–2294. (MDPI, ISSN 1996-1073, 2010 Impact Factor: 1.130), **ISI**, **Q3** TTK20111486
26. R.C. Aziz, I. Hashim*, A.K. Alomari. 2011. Thin film flow and heat transfer on an unsteady stretching sheet with internal heating. *Meccanica* 46(2): 349–357. (Springer, ISSN 0025-6455, 2010 Impact Factor: 1.056), **ISI**, **Q3** TST2011730
27. K. Moaddy, I. Hashim*, A.K. Alomari, S. Momani. 2011. A new hybrid non–standard finite difference–Adomian scheme for solution of nonlinear equations. *Sains Malaysiana* 40(5): 515–519. (UKM, ISSN 0126-6039, 2010 Impact Factor: 0.152), **ISI**, **Q4** TST2011871

2010

28. J.M. Jawdat, I. Hashim*. 2010. Low Prandtl number chaotic convection in porous media with uniform internal heat generation. *Int. Commun. Heat Mass Transfer* 37: 629–636. (Elsevier, ISSN 0735-1933, 2010 Impact Factor: 1.609), **ISI**, **Q1**
29. R.C. Aziz, I. Hashim*. 2010. Liquid film on unsteady stretching sheet with general surface temperature and viscous dissipation. *Chin. Phys. Lett.* 27(11): 110202 (8 pages) (IOP, ISSN: 0256-307X, 2010 Impact Factor: 1.077), **ISI**, **Q2**
30. H. Saleh, I. Hashim*, N. Saeid. 2010. Effect of time periodic boundary conditions on convective flows in a porous square enclosure with non-uniform internal heating. *Transp. Porous Med.* 85: 885–903. (Springer, ISSN 0169-3913, 2010 Impact Factor: 1.168), **ISI**, **Q2**
31. H. Saleh, I. Hashim*. 2010. Flow reversal of fully-developed mixed MHD convection in vertical channels. *Chin. Phys. Lett.* 27(2): Article no. 024401. (IOP, ISSN: 0256-307X, 2010 Impact Factor: 1.077), **ISI**, **Q2**
32. M.N. Mahmud, Z. Mustafa, I. Hashim*. 2010. Effects of control on the onset of Bénard-Marangoni convection in a micropolar fluid. *Int. Commun. Heat Mass Transfer* 37: 1335–1339. (Elsevier, ISSN 0735-1933, 2010 Impact Factor: 1.609), **ISI**, **Q1**
33. M.N. Mahmud, I. Hashim*. 2010. Small and moderate Prandtl number chaotic convection in porous media in the presence of feedback control. *Transp. Porous Med.* 84(2): 421–440. (Springer, ISSN 0169-3913, 2010 Impact Factor: 1.168), **ISI**, **Q2**
34. R. Idris, I. Hashim*. 2010. Effects of a magnetic field on weak turbulence and chaos for low Prandtl number convection in porous media. *Nonlin. Dyn.* 62: 905–917. (Springer, ISSN 0924-090X, 2009 Impact Factor: 1.658), **ISI**, **Q1**
35. R. Idris, I. Hashim*. 2010. Effects of controller and cubic temperature profile on onset of Bénard-Marangoni convection in ferrofluid. *Int. Commun. Heat Mass Transfer* 37: 624–628. (Elsevier, ISSN 0735-1933, 2010 Impact Factor: 1.609), **ISI**, **Q1**
36. S.M. Goh*, M.M. Al-Sawalha, M.S.M. Noorani, I. Hashim. 2010. Enhanced variational iteration method using Adomian polynomials for solving the chaotic Lorenz system. *Int. J. Nonlinear Sci. Numer. Simul.* 11(9): 689–700. (Freund Publishing House Ltd., ISSN 1565-1339, 2010 Impact Factor: 3.100), **ISI**, **Q1**
37. S.M. Goh*, M.S.M. Noorani, I. Hashim. 2010. Introducing variational iteration method to a biochemical reaction model. *Nonlin. Anal.: Real World Appl.* 11: 2264–2272. (Elsevier, ISSN 1468-1218, 2009 Impact Factor: 2.381), **ISI**, **Q1**
38. S.M. Goh*, M.S.M. Noorani, I. Hashim. 2010. On solving the chaotic Chen system: A new time marching design for the hybrid variational-Adomian method. *Numer. Algor.* 54(2): 245–260. (Springer, ISSN 1017-1398, 2010 Impact Factor: 0.784), **ISI**, **Q2**
39. O. Abdulaziz, A. Sami Bataineh, I. Hashim*. 2010. On convergence of homotopy analysis method and its modification for fractional modified KdV equations. *J. Appl. Math. Comput.* 33: 61–81. (Springer, ISSN 1598-5865, SCOPUS), **H9**
40. Muhaimin, Ramasamy Kandasamy*, Ishak Hashim. 2010. Scaling transformation for the effects of chemical reaction on free convective heat and mass transfer in the presence of variable stream conditions. *Chem. Eng. Res. Des.* 88(10): 1320–1328. (Elsevier, ISSN 0263-8762, 2010 Impact Factor: 1.519), **ISI**, **Q2**

41. Muhaimin*, Kandasamy, R., Hashim, I., Khamis, A.B. 2010. Local nonsimilarity solution on MHD convective heat transfer flow past a porous wedge in the presence of suction/injection. *J. Porous Media* 13(5): 487-495. (Begell House, ISSN 1091-028X, 2010 Impact Factor: 0.707), **ISI**, Q2
42. Muhaimin, Kandasamy, R.*, Hashim, I. 2010. Effect of chemical reaction, heat and mass transfer on nonlinear boundary layer past a porous shrinking sheet in the presence of suction. *Nucl. Eng. Des.* 240: 933–939. (Elsevier, ISSN 0029-5493, 2009 Impact Factor: 0.785), **ISI**, Q2
43. M.S.H. Chowdhury, I. Hashim*. 2010. Analytical solution for Cauchy reaction-diffusion problems. *Sains Malaysiana* 39(3): 495–504. (UKM, ISSN 0126-6039, 2010 Impact Factor: 0.152), **ISI**, Q4
44. M.S.H. Chowdhury, I. Hashim*. 2010. Direct solutions of n th-order initial value problems by homotopy-perturbation method. *Int. J. Comput. Math.* 87(4): 756–762. (Taylor & Francis, ISSN 0020-7160, 2009 Impact Factor: 0.478), **ISI**, Q4
45. N.F.M. Noor, I. Muhaimin, I. Hashim*. 2010. Heat transfer analysis of MHD flow due to a permeable shrinking sheet embedded in a porous medium with internal heat generation. *J. Porous Media* 13(9): 847–854. (Begell House, ISSN 1091-028X, 2010 Impact Factor: 0.707), **ISI**, Q2
46. N.F.M. Noor, O. Abdulaziz, I. Hashim*. 2010. MHD flow and heat transfer in a thin liquid film on an unsteady stretching sheet by the homotopy analysis method. *Int. J. Numer. Meth. Fluids* 63(3): 357–373. (John Wiley & Sons, ISSN 0271-2091, 2010 Impact Factor: 1.058), **ISI**, Q2
47. N.F.M. Noor, I. Hashim*. 2010. MHD viscous flow over a linearly stretching sheet embedded in a non-Darcian porous medium. *J. Porous Media* 13(4): 349–355. (Begell House, ISSN 1091-028X, 2010 Impact Factor: 0.707), **ISI**, Q2
48. N.F.M. Noor, I. Hashim*. 2010. Thermocapillarity and magnetic field effects in a thin liquid film on an unsteady stretching surface. *Int. J. Heat Mass Transfer* 53(9-10): 2044–2051. (Elsevier, ISSN 0017-9310, 2010 Impact Factor: 1.898), **ISI**, **Q1**
49. N.F.M. Noor, S. Awang Kechil, I. Hashim*. 2010. Simple non-perturbative solution for MHD viscous flow due to a shrinking sheet. *Commun. Nonlinear Sci. Numer. Simulat.* 15: 144–148. (Elsevier, ISSN: 1007-5704, 2010 Impact Factor: 2.697), **ISI**, **Q1**
50. Mohd Haniff Osman*, Choong-Yeun Liong, and Ishak Hashim. 2010. Hybrid learning algorithm in neural network system for enzyme classification. *International Journal of Advances in Soft Computing and Its Applications* 2(2): 209–220. (ISSN: 2074-8523, Google Scholar)

2009

51. M.N. Mahmud, R. Idris, I. Hashim*. 2009. Effects of magnetic field and nonlinear temperature profile on Marangoni convection in micropolar fluid. *Diff. Eqn. Nonlin. Mech.* 2009: Article ID 748794 (11 pages) doi:10.1155/2009/748794 (ISSN 1687-4099, SCOPUS), H3
52. I. Hashim*, S. Awang Kechil. 2009. Active control of Marangoni instability in a fluid layer with temperature-dependent viscosity in microgravity environment. *Fluid Dyn. Res.* 41(4): Article no. 045504 (15pp) (IOP, ISSN 0169-5983, 2008 Impact Factor: 1.012), **ISI**, Q3
53. I. Hashim*, Z. Siri. 2009. Feedback control of thermocapillary convection in a rotating fluid layer with free-slip bottom. *Sains Malaysiana* 38(1): 119–124. (UKM, ISSN 0126-6039, 2010 Impact Factor: 0.152), **ISI**, Q4

54. I. Hashim*, H. Othman, S. Awang Kechil. 2009. Stabilization of thermocapillary instability in a fluid layer with internal heat source. *Int. Commun. Heat Mass Transfer* 36: 161–165. (Elsevier, ISSN 0735-1933, 2010 Impact Factor: 1.609), [ISI](#), [Q1](#)
55. I. Hashim*, O. Abdulaziz, S. Momani. 2009. Homotopy analysis method for fractional IVPs. *Commun. Nonlinear Sci. Numer. Simulat.* 14: 674–684. (Elsevier, ISSN: 1007-5704, 2010 Impact Factor: 2.697), [ISI](#), [Q1](#)
56. Z. Siri, Z. Mustafa, I. Hashim*. 2009. Effects of rotation and feedback control on Bénard-Marangoni convection. *Int. J. Heat Mass Transfer* 52: 5770–5775. (Elsevier, ISSN 0017-9310, 2010 Impact Factor: 1.898), [ISI](#), [Q1](#)
57. N.F.M. Noor, I. Hashim*. 2009. MHD flow and heat transfer adjacent to a shrinking sheet embedded in a porous medium. *Sains Malaysiana* 38(4): 559–565. (UKM, ISSN 0126-6039, 2010 Impact Factor: 0.152), [ISI](#), Q4
58. R. Idris, H. Othman, I. Hashim*. 2009. On effect of non-uniform basic temperature gradient on Bénard-Marangoni convection in micropolar fluid. *Int. Commun. Heat Mass Transfer* 36: 255–258. (Elsevier, ISSN 0735-1933, 2010 Impact Factor: 1.609), [ISI](#), [Q1](#)
59. S. Awang Kechil, I. Hashim*. 2009. Flow and diffusion of chemically reactive species over a nonlinearly stretching sheet immersed in a porous medium. *J. Porous Media* 12(11): 1053–1063. (Begell House, ISSN 1091-028X, 2010 Impact Factor: 0.707), [ISI](#), Q2
60. S. Awang Kechil, I. Hashim*. 2009. Oscillatory Marangoni convection in variable-viscosity fluid layer: The effect of thermal feedback control. *Int. J. Thermal Sci.* 48: 1102–1107. (Elsevier, ISSN 1290-0729, 2010 Impact Factor: 1.667), [ISI](#), [Q1](#)
61. S. Awang Kechil, I. Hashim*. 2009. Approximate analytical solution for MHD stagnation-point flow in porous media. *Commun. Nonlinear Sci. Numer. Simulat.* 14: 1346–1354. (Elsevier, ISSN: 1007-5704, 2010 Impact Factor: 2.697), [ISI](#), [Q1](#)
62. O. Abdulaziz, M.S.H. Chowdhury, I. Hashim*, S. Momani. 2009. Direct solution of second-order BVPs by homotopy-perturbation method. *Sains Malaysiana* 38(5): 717–721. (UKM, ISSN 0126-6039, 2010 Impact Factor: 0.152), [ISI](#), Q4
63. O. Abdulaziz, N.F.M. Noor, I. Hashim*. 2009. Homotopy analysis method for fully developed MHD micropolar fluid flow between vertical porous plates. *Int. J. Numer. Meth. Engng.* 78(7): 817–827. (John Wiley & Sons, ISSN 0029-5981, 2010 Impact Factor: 1.925), [ISI](#), [Q1](#)
64. O. Abdulaziz, I. Hashim*. 2009. Fully developed free convection heat and mass transfer of a micropolar fluid between porous vertical plates. *Numer. Heat Transfer, Part A: Appl.* 55: 270–288. (Taylor & Francis, ISSN 1040-7782, 2010 Impact Factor: 1.183), [ISI](#), Q2
65. O. Abdulaziz, I. Hashim*, E.S. Ismail. 2009. Approximate analytical solution to fractional modified KdV equations. *Mathl. Comput. Model.* 49: 136–145. (Elsevier, ISSN 0895-7177, 2010 Impact Factor: 1.066), [ISI](#), Q2 (**TOP25** Hottest Articles, Mathematics, Mathematical and Computer Modelling, October–December 2008; **TOP10** : Most downloaded Tue May 19 05:38:19 BST 2009)
66. M.S.H. Chowdhury, I. Hashim, S. Momani*. 2009. The multistage homotopy-perturbation method: A powerful scheme for handling the Lorenz system. *Chaos Solitons Fractals* 40: 1929–1937. (Elsevier, ISSN 0960-0779, 2009 Impact Factor: 3.315), [ISI](#), [Q1](#)

67. M.S.H. Chowdhury, I. Hashim*, S. Mawa. 2009. Solution of prey-predator problem by numeric-analytic technique. *Commun. Nonlinear Sci. Numer. Simulat.* 14: 1008–1012. (Elsevier, ISSN: 1007-5704, 2010 Impact Factor: 2.697), [ISI](#), [Q1](#)
68. M.S.H. Chowdhury, I. Hashim*. 2009. Application of homotopy-perturbation method to sine-Gordon and Klein-Gordon equations. *Chaos Solitons Fractals* 39: 1928–1935. (Elsevier, ISSN 0960-0779, 2009 Impact Factor: 3.315), [ISI](#), [Q1](#)
69. M.S.H. Chowdhury, I. Hashim*. 2009. Solutions of Emden-Fowler equations by homotopy-perturbation method. *Nonlin. Analy.: Real World Appl.* 10: 104–115. (Elsevier, ISSN 1468-1218, 2009 Impact Factor: 2.381), [ISI](#), [Q1](#)
70. M.S.H. Chowdhury, I. Hashim*, O. Abdulaziz. 2009. Comparison of homotopy analysis method and homotopy-perturbation method for purely nonlinear fin-type problems. *Commun. Nonlinear Sci. Numer. Simulat.* 14: 371–378. (Elsevier, ISSN: 1007-5704, 2010 Impact Factor: 2.697), [ISI](#), [Q1](#)
71. M.S.H. Chowdhury*, I. Hashim. 2009. Application of multistage homotopy-perturbation method for the solutions of the Chen system. *Nonlin. Analy.: Real World Appl.* 10: 381–391. (Elsevier, ISSN 1468-1218, 2009 Impact Factor: 2.381), [ISI](#), [Q1](#)
72. Ismoen Muhaimin, Ramasamy Kandasamy*, I. Hashim. 2009. Thermophoresis and chemical reaction effects on non-Darcy MHD mixed convective heat and mass transfer past a porous wedge in the presence of variable stream condition. *Chem. Eng. Res. Des.* 87(11): 1527–1535. (Elsevier, ISSN 0263-8762, 2010 Impact Factor: 1.519), [ISI](#), Q2
73. Ismoen Muhaimin*, Ramasamy Kandasamy, Ishak Hashim. 2009. Thermophoresis and chemical reaction effects on MHD mixed convective heat and mass transfer past a porous wedge with variable viscosity in the presence of viscous dissipation. *Int. J. Comput. Meth. Engi. Sci. Mech.* 10: 231–240. (Taylor & Francis, ISSN 1550-2287, SCOPUS)
74. S.M. Goh*, M.S.M. Noorani, I. Hashim. 2009. A new application of variational iteration method for the chaotic Rössler system. *Chaos Solitons Fractals* 42(3): 1604–1610. (Elsevier, ISSN 0960-0779, 2009 Impact Factor: 3.315), [ISI](#), [Q1](#)
75. S.M. Goh*, M.S.M. Noorani, I. Hashim, M. Mossa Al-Sawalha. 2009. Variational iteration method as a reliable treatment for the hyperchaotic Rössler system. *Int. J. Nonlinear Sci. Numer. Simul.* 10(3): 363–371. (Freund Publishing House Ltd., ISSN 1565-1339, 2010 Impact Factor: 3.100), [ISI](#), [Q1](#)
76. S.M. Goh*, A.I.M. Ismail, M.S.M. Noorani, I. Hashim. 2009. Dynamics of the Hantavirus infection through variational iteration method. *Nonlin. Analy.: Real World Appl.* 10: 2171–2176. (Elsevier, ISSN 1468-1218, 2009 Impact Factor: 2.381), [ISI](#), [Q1](#)
77. S.M. Goh*, M.S.M. Noorani, I. Hashim. 2009. Efficacy of variational iteration method for chaotic Genesio system—Classical and multistage approach. *Chaos Solitons Fractals* 40: 2152–2159. (Elsevier, ISSN 0960-0779, 2009 Impact Factor: 3.315), [ISI](#), [Q1](#)
78. A. Sami Bataineh, M.S.M. Noorani, I. Hashim*. 2009. Direct solution of n th-order IVPs by homotopy analysis method. *Diff. Eqn. Nonlin. Mech.* vol. 2009, Article ID 842094, 15 pages. (ISSN 1687-4099, SCOPUS), H3
79. A. Sami Bataineh, M.S.M. Noorani, I. Hashim*. 2009. Solution of fully developed free convection of a micropolar fluid in a vertical channel by homotopy analysis method. *Int. J. Numer. Meth. Fluids* 60: 779–789. (John Wiley & Sons, ISSN 0271-2091, 2010 Impact Factor: 1.058), [ISI](#), Q2

80. A. Sami Bataineh, M.S.M. Noorani, I. Hashim*. 2009. Analytical treatment of generalized Burgers-Huxley equation by homotopy analysis method. *Bull. Malays. Math. Sci. Soc.* 32(2): 233–243. (Malaysian Mathematical Sciences Society and Universiti Sains Malaysia, ISSN 0126-6705, SCOPUS, [ISI](#), SCI, Math Rev, Zentralblatt MATH.)
81. A.S. Bataineh, A.K. Alomari, M.S.M. Noorani, I. Hashim*, R. Nazar. 2009. Series solutions of systems of nonlinear fractional differential equations. *Acta Appl. Math.* 105: 189–198. (Springer, ISSN 0167-8019, 2009 Impact Factor: [0.523](#)), [ISI](#), Q4
82. A.S. Bataineh*, M.S.M. Noorani, I. Hashim. 2009. Homotopy analysis method for singular IVPs of Emden-Fowler type. *Commun. Nonlinear Sci. Numer. Simulat.* 14: 1121–1131. (Elsevier, ISSN: 1007-5704, 2010 Impact Factor: [2.697](#)), [ISI](#), [Q1](#)
83. A. Sami Bataineh, M.S.M. Noorani*, I. Hashim. 2009. On a new reliable modification of homotopy analysis method. *Commun. Nonlinear Sci. Numer. Simulat.* 14: 409–423. (Elsevier, ISSN: 1007-5704, 2010 Impact Factor: [2.697](#)), [ISI](#), [Q1](#)
84. A. Sami Bataineh, M.S.M. Noorani*, I. Hashim. 2009. Modified homotopy analysis method for solving systems of second-order BVPs. *Commun. Nonlinear Sci. Numer. Simulat.* 14: 430–442. (Elsevier, ISSN: 1007-5704, 2010 Impact Factor: [2.697](#)), [ISI](#), [Q1](#)
85. R. Yulita Molliq*, M.S.M. Noorani, I. Hashim. 2009. Approximate solutions of fractional Zakharov–Kuznetsov equations by VIM. *J. Comput. Appl. Math.* 233: 103–108. (Elsevier, ISSN 0377-0427, 2010 Impact Factor: [1.029](#)), [ISI](#), Q2
86. Yulita Molliq R.*, M.S.M. Noorani, I. Hashim. 2009. Variational iteration method for fractional heat- and wave-like equations. *Nonlin. Analy.: Real World Appl.* 10(3): 1854–1869. (Elsevier, ISSN 1468-1218, 2009 Impact Factor: [2.381](#)), [ISI](#), [Q1](#) ([TOP25](#) Hottest Articles, Mathematics, Nonlinear Analysis: Real World Applications, April–June 2008, Jan–Mac 2009, Jul–Sep 2009)
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4.2 Contributions in Journal Articles

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5 INVITED PRESENTATIONS

1. Invited Reviewer: 2nd Regional Conference on Applied and Engineering Mathematics (RCAEM-II), 30–31 May 2012.
2. Invited Speaker: International Conference at BNM Institute of Technology, Bangalore, India. July 20–22, 2011. (International)
3. Invited Speaker: Workshop on “Mathematical Science and Their Applications” from 23–25 May 2011, Islamabad, Pakistan. (International)
4. Invited Speaker: “Conjugate convection in a porous enclosure”, The 6th East Asia SIAM (EASIAM) Conference in conjunction with the Applied Mathematics International Conference (AMIC2010), June 22–24, 2010. Kuala Lumpur. (International)
5. Invited Speaker: “Some analytical methods for the solution of fractional differential equations (FDEs)”, USM Math Seminar, Feb 26–27, 2009. (National)
6. Invited Speaker: “Control of thermal convection in fluid layers”, Int. Conf. on “Recent Developments in Fluid Mechanics”, July 2–4, 2007. Islamabad, Pakistan. (International)
7. Invited Speaker: “Ongoing fundamental and future applied fluid dynamics research projects at UKM”, Seminar UI-UKM. Universitas Indonesia, Jakarta. 19–20 June 2007. (International)
8. Invited Speaker: “Application of Maple in Research”, Maple Day 2006 (Malaysia). Maplesoft/IMath Sdn Bhd. UKM. 27 Nov 2006. (National)
9. Invited Speaker: “Numerical computation of solutions to fourth-order IVPs in decomposition series”, Bengkel Pendedahan PERSAMA Siri I: Kaedah Berangka Bagi Persamaan Pembeza Biasa (PPB). Institut Penyelidikan Matematik (INSPERM), UPM. 29 Jun 2006. (National)
10. Invited Speaker: “Oscillatory surface-tension-driven convection in a rotating fluid layer”, Seminar Sehari Institut Penyelidikan Matematik (INSPERM), UPM. 1 April 2004. (National)
11. Invited Speaker: “Fluid Dynamics in Industry”, One Day Seminar on Industrial Mathematics I. UPM. 10 November 2001. (National)
12. Invited Speaker: “Panduan mengisi atau menyediakan maklumat borang permohonan bantuan IRPA”, Bengkel Kaedah Penyelidikan FPP. Fakulti Pengurusan Perniagaan, UKM. 18 Mac 2004. (UKM)

6 EXTERNAL EXAMINER

1. External Examiner–PhD, UMS. *A study of weighted mean iterative methods for solving Fredholm integral equations*. Jun 2011.
2. External Examiner–PhD, Andhra University, India. *ADI iteration for solution of PDE and numerical solution of nonlinear equations*. Jan 2011.
3. External Reviewer–PhD (Proposal defence), FTSM, UKM. 17 Dec 2010.
4. External examiner–PhD, Anna University Chennai, India. *Thermophoresis particle deposition and chemical reaction effects on non linear boundary layer flow with variable stream conditions*. May 2010.
5. External examiner–PhD, UTM. *Numerical modelling and simulation of blood flow through a multi-irregular stenosed artery*. Jan 2009.
6. External examiner–PhD, USM. *A study on Tsunami and storm surge in the Indian Ocean*. Jul. 2008.
7. External examiner–PhD, UTM. *Numerical solution of the interior Riemann-Hilbert problem via boundary integral equation with corners*. 2007.
8. External examiner–PhD, UMS. *Natural convection in boundary layer subject to oscillating temperatures*. 2004.
9. External examiner–MSc, UMS. *Oscillatory free convection about a sphere in a porous medium*. 2011.
10. External examiner–MSc, USM. *Numerical model for Tsunami propagation due to a time dependent source along Peninsular Malaysia and Southern Thailand*. Mac 2010.
11. External examiner–MSc, USM. *Simulation of generation, propagation and runup due to the 26 December 2004 Andaman tsunami*. Nov. 2008.
12. External examiner–MSc, USM. *Tsunami and storm surge modeling in Bay of Bengal*. 2007.
13. External examiner–MSc, UPM. *Necessary and sufficient condition for extension of convolution semigroup*. 2007.
14. External examiner–MSc, UTM. *Laminar free convection over vertical cylinders in viscous fluids*. 2002.

7 INTERNATIONAL REFEREE/REVIEWER

Acta Appl. Math. (Springer), *Adv. Eng. Soft.* (Elsevier), *Appl. Math. Lett.* (Elsevier), *Appl. Math. Mech.* (Springer), *Bull. Malays. Math. Sci. Soc.* (PERSAMA), *Comput. Fluids* (Elsevier), *Chem. Eng. Commun.* (Taylor & Francis), *Central Euro. J. Phys.* (Versita & Springer Verlag), *Comput. Math. Appl.* (Elsevier), *Commun. Nonlinear Sci. Numer. Simulat.* (Elsevier), *Comp. Phys. Commun.* (Elsevier) *Int. J. Comput. Math.* (Taylor & Francis), *Int. J. Heat Mass Transfer* (Elsevier), *Int. J. Numer. Meth. Engng.* (John Wiley & Sons), *Int. J. Numer. Meth. Fluids* (John Wiley & Sons), *Int. J. Numer. Meth. Heat Fluid Flow* (Emerald), *Int. J. Thermal Sci.* (Elsevier), *J. Appl. Math. Comput.* (Springer), *J. Comput. Appl. Math.* (Elsevier) *J. Franklin Inst.* (Elsevier), *J. Fluid Mech.* (CUP), *J. Porous Media* (Begell), *Mathl. Comput. Model.* (Elsevier), *Mathl. Probl. Eng.* (Hindawi), *Mod. Phys. Lett. B* (World Scientific), *Numer. Heat Transfer, Part A: Appl.* (Taylor & Francis), *Nonlin. Analy.: Real World Appl.*

(Elsevier), *Phys. Lett. A* (Elsevier), *Phys. Scr.* (IoP), *Sains Malaysiana* (UKM Press), *Transp. Porous Med.* (Springer), *Z. Naturforsch. A* (Zeitschrift für Naturforschung), *Adv. Water Res.*, *ASME Journal of Applied Mechanics*, *Computing* (Springer), *Energy Conversion and Management*, *J. Phys. A: Math. Theor.*, *Journal of Mechanics in Medicine and Biology*, *Mathematical Reviews Meccanica* (Springer), *World J. Model. Simulat.* (World Academic Press),