

## C.V



**Name: Dr.Ahmad M.Abdul hadi**

**Date of Birth: 1961**

**Specialization: Applied mathematics-Fluid Mechanics**

**Position: Head of department of mathematics**

**Scientific Degree: Prof**

**Work Address: Baghdad University-College of Science-Mathematic  
Dept.**

**Work Phone:**

**Mobile: 07702904040**

**E-mail: ahm6161@yahoo.com**

**Scientific Certification:**

Degree science	University	College	Date
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<b>B.Sc.</b>	Baghdad	Science	1983-1984
<b>M.Sc.</b>	Baghdad	Science	1990
<b>Ph.D.</b>	Poona-India	Science	2001
<b>Any other</b>			

 **Career:**

<b>No.</b>	<b>Career</b>	<b>Workplace</b>	<b>From -To</b>
1	Ass.Teacher	Baghdad University/College of science	1988-1995
2	Teacher(PhD)	Baghdad University/College of science	2001-2006
3	Ass.Prof	Baghdad University/College of science	2006-2010
4	Prof	Baghdad University/College of science	2012-



**University Teaching.**

No.	University	The (Institute / College)	From -To
1	Baghdad	College of science	1992-2018

**Courses Which You Teach:**

No.	Department	Courses
1	Mathematics	Mathematical analysis
2	Physics	Complex analysis
3	Geology	Calculus-Advance calculus
4	Mathematic	Advance calculus
5	Mathematic	Numerical analysis
6	Mathematic	Differential equations
7	Mathematic	Calculus of variation-Fluid Mech.-Partial differential equations
8	Mathematic	Numerical solution of integral equations
9	Mathematic	Numerical solution of partial differential equations

**البحوث المنشوره (Papers published)**

- 1- Ahmad M.Abdul Hadi,S.A.Fat'hy,Two dimensional steady state  
potensial flow analysis by the BIE method, Iraqi journal of

- science, Vol.36(4),1995,P.1239.
- 2- Ahmad M. Abdul Hadi, Morad M.A , Unsteady flow of Non-Newtonian fluid in a curved pipe with rectangular cross-section, Iraqi journal of science, Vol.48(1),2007,P.182.
  - 3- Ahmad M. Abdul Hadi, Fathi S.A., Zainy A., Flow of Non-Newtonian fluid in a curved duct with varying aspect ratio, Iraqi journal of science, Vol. 46(1),2005,P.238
  - 4- Ahmad M. Abdul Hadi, Steady and unsteady flow of non-Newtonian fluid in curved pipe with triangular cross-section, Um-Salama Science Journal, Vol.3(3),2006,P.470.
  - 5- Ahmed Jameel Kadhim, Ahmad M. Abdul Hadi, Steady and unsteady flow in a side heated free convection loop placed in magnetic field, Al-Nahrain University Journal For Science, Vol.14(2),2011,P.160.
  - 6- Ahmad M. Abdul Hadi, Mohammed Sabah, On Newtonian fluid flow problem in two dimension solving by MAC algorithm, The first Iraqi-French math. conference (Sala hddin Uni), (2009).
  - 7- Ahmad M. Abdul Hadi, Mohammed Sabah , On Newtonian fluid flow problem in two dimension solving by SIMPLE algorithm, Iraqi journal of science, Vol.51(4),2011,P.663.
  - 8- Ahmad M. Abdul Hadi, Dhefaf Raisan Faaisal, Unsteady pressure drop and heat transfer of magneto hydrodynamic annular two-phase in rectangular, Iraqi journal of science, Vol.52(3),2011,P.350.
  - 9- Sundus Bader, Ahmed M. Abdul Hadi, Unsteady two-phase flow and heat transfer of MHD of third grade fluid in rectangular channel, مجلة كلية التربية Vol.2(3),2011,P.230.
  - 10- Ahmad M. Abdul Hadi, Wala'a Abdul Majied., Flow analysis of third order fluid in helical pipe with circular cross-section, JMAC, Vol4(1),2012,P.88.

- 11- Ahmad M.Abdul Hadi,Nhdal M.Abdal Ameer, Unsteady MHD oscillating flow of third order fluid with central free stream velocity, Journal of Baghdad for science Vol.9(4),2012,P.728.
- 12-Mohammed S.Hussein, Ahmed M.Abdul Hadi, Analytical solution for unsteady MHD flow of a third grade fluid with constant viscosity, Iraqi journal of science, Vol 51(4),2010,P.663.
- 13- Ahmad M.Abdul Hadi,Amaal Mohi Nassief, The effect of MHD on flow field with Oldroyd-B fluid model, Iraqi journal of science, Vol 54(2),2013,P.427.
- 14- Ahmad M.Abdul Hadi,Hanann Farouk,Unsteady heat transfer analysis on the MHD flow of a second grade fluid in a channel with porous, Iraqi journal of science, Vol.2(54)2013.
- 15- Ahmad M.Abdul Hadi Hind Shaker,Effect of MHD on accelerated flows of a viscoelastic fluid with with the fractional Burger's model, Iraqi journal of science, Vol.2(54),2013.
- 16- Ahmad M.Abdul Hadi, Adel Rashied,Unsteady energy equation of electrically conducting fluid of Second grade over a stretching sheet subject to a transfer magnetic field., Conference in Thikar university,2013.
- 17- Ahmad M.Abdul Hadi,Unsteady MHD flow of a viscoelastic fluid with the fractional Burgers' model, Iraqi journal of science, Vol.53(1),2012,P.170.
- 18- Ahmad M.Abdul Hadi,Marwan A.Ahmed, Influence of MHD for Newtonian fluid and heat transfer in microchannels between two parallel plates using HAM ,Iraqi journal of science, Vol.55(2A),2014,537.
- 19- Ahmad M.Abdul Hadi,Kalied Ibraheem,Influence of MHD on steady Newtonian fluid flow in a vertical channel with porous wall using

- HAM ,Iraqi journal of science,Vol.3(55),2014.
- 20- Ahmad M.Abdul Hadi,Takreed Kaseem Ibraheem. Effect of Magnetichydrodynamic on unsteady flow and heat transfer upon stretching sheet with non-uniform heat ,Iraqi journal of science,Vol.1(56),2015.
- 21- Ahmad M.Abdul Hadi,Lika Hummady, Influence of MHD on peristaltic of couple-stress fluid through a porous medium with slip effect ,Advance in physics theories and applications,Vol.30,2014,P.34.
- 22- Ahmad M.Abdul Hadi, Albert Elya Yousif,Enas Yehea Abdullah ,The effect of surface Roughness on the aqueeze film characteristics with couple stress fluids in hip joint. Advance in Physics Theories and applications,Vol.36,p.37,2014.
- 23- Ahmad M.Abdul Hadi,Albert Elya Yousif,Enas Yehea Abdullah,The effect of permeability on the squeeze film lubrication with a couple stress fluid in Human synovial hip joint. IJERA , Vol.4(6) , 2015,P.919.
- 24- Ahmad M.Abdul Hadi, Ayaa Hadi,Effect of Rotation and MHD on the Nonlinear Peristaltic Flow of a Jeffery Fluid in an Asymmetric Channel Through a porous Medium .Iraqi J.for Science, Vol. 57,No. 1, 2016.
- 25- Ahmad M.Abdul Hadi, Ghada H.Ibraheem ,Pressure Gradient Influence on MHD Flow for Generalized Burgers' Fluid with Slip Condition,IJERA,Vol.4(7),2014.IJERA , Vol.4 ,(7) , 2014 ,P19.
- 26- Ahmad M.Abdul Hadi,Ghada H.Ibraheem,Exact Solution for MHD Flow of a viscoelastic fluid with the fractional Burgers' Model in an Annular Pipe.IJMER , Vol. 4(8) ,2014.P.2249
- 27- Ahmad M.Abdul Hadi,Dheia G.Salih Al.Hhafajy , Magnetohydrodynamic Peristaltic flow of a couple stress

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- 28- Ahmad M.Abdul Hadi, Lika Z.Hummady ,Effect of heat transfer on the peristaltic transport of MHD with couple-stress fluid through a porous medium with slip effect. *Mathematical Theory and Modeling* , Vol.4 , No.7 , 2014,P.1.
- 29- Ahmad M.Abdul Hadi,Lika Z.Hummady,A Numerical Study of peristaltic Flow Generalized Maxwell Viscoelastic Fluids Through a Porous medium in an Inclined Channel,. *Advances in Life Science and Technology* , Vol.32 , p 59 , 2015.
- 30- Ahmad M.Abdul Hadi, Mohammed Ali Murad,Effect of General Non-slip condition and MHD on Accelerated Flow of a Viscoelastic Fluid With the Fractional Burgers' Model .*Diyala J.for Pure Science*, Vol.10 , No.2,pp: 160-173,2014.
- 31- Ahmad M.Abdul Hadi, Ghusoon G.Mhammad,Effect of couple stress fluid on MHD peristaltic motion and heat transfer with partial slip in an inclined asymmetric channel . *Mathematical Theory and Modeling* , Vol.4 , No.8 ,pp: 64-77, 2014.
- 32- Ahmad M.Abdul Hadi,Ghusoon G. Mhammad, Effect of couple stress fluid on MHD peristaltic motion and heat transfer with partial slip.*Advances in Physics Theories and applications*,Vol.31 , pp:31-42 , 2014.
- 33- Ahmad M.Abdul Hadi, Sundos Bader, Effect of MHD on the Unsteady Rotating Flow of a Generalized Maxwell Fluid with Oscillating Gradient Between Coaxial Cylinders . *Mathematical Theory and Modeling* , Vol.5 , No.9 ,pp: 91-107, 2015.
- 34- Ahmad M.Abdul Hadi,Ayaa Hadi, Slip Effect on the Peristaltic

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- 36- Ahmad M.Abdul Hadi,Ali Abraheem,Peristaltic Transport of a Viscoelastic Fluid with Fractional Maxwell Model in an Inclined Channel . Iraqi J.of Science,Vol. 55,No. 4B, 2014.
- 37- Ahmad M.Abdul Hadi,Ghada H. Ibraheem, Flow through an Oscillating Rectangular duct for Generalized Oldroyd-B Fluid with Fractional Derivatives .IOSR Journals , Vol.10(5),2014,P.69.
- 38- Ahmad M.Abdul Hadi,Wala'a Abdul Majied,Analysis flow of second order fluid in a vertical channel with porous media,JMAC,Vol.7(2), 2015.
- 39- Ahmad M.Abdul Hadi, Dheia G. Salih Al-Khafajy ,Influence of MHD and wall properties on the peristaltic transport of a Williamson fluid through porous medium .IJARSET , Vol.2 , Issue 11 ,p: 970, 2015.
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- 42 - Ahmad M.Abdul Hadi, K.C. Sharma, Flow of Non-Newtonian fluid



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- 46- Ahmad M.Abdul Hadi, Alaa Waleed Saleh, Effect of couple stress and porous media on transient magneto peristaltic flow, Mathematical theory and Modeling, Vol.6(3), 2016, P.1.

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- 48- Ahmad M. Abdul Hadi, Sundos Bader Effects of MHD on the unsteady thin flow of non-Newtonian Oldroyd fluid over an oscillating inclined belt through a porous medium. IOSR Journal of mathematics , Vol 12, Issue 4 Ver. V (Jul-Aug 2016), pp.28-40.
- 49- Ahmad M. Abdul Hadi, Alaa Waleed Saleh, Effect of couple stress and porous media on transient magneto flow under the action of heat transfer, IOSR Journal of mathematics , Vol 12, Issue 4 Ver. V (Jul-Aug 2016) pp.71-83.
- 50- Ahmad M. Abdul Hadi, Ali M. Kama, Influence of an inclined magnetic field on peristaltic transport of Pseudo plastic nanofluid through a porous space in an inclined tapered asymmetric channel with convective conditions., American journal of mechanics and applications 2016;3(5) pp.42-55.
- 51- Ahmad M. Abdul Hadi, Tamara S. Ahmed, Effect of magnetic field on peristaltic flow of Walters-B fluid through a porous medium in a tapered asymmetric channel, Journal of advances in mathematics, Vol 12 No.12 , PP;6889-6893.
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- 54- Ahmad M. Abdul Hadi, Khalid Al-Qaissy, Influence of an inclined magnetic field of Williamson fluid in an inclined channel. Journal of research in applied mathematics, Vol 3, Issue 6 (2017), pp;17-27.
- 55- Ahmad M. Abdul Hadi, Mohammed Salim, Influence of an inclined magnetic

- filed on peristaltic flow through a porous medium with partial slip in an inclined tapered channel, Global journal of engineering science and researches,4(3):July 2017.
- 56- Ahmad M.Abdul Hadi, Mohammed Salim, Heat transfer on magneto hydrodynamic peristaltic flow in a porous medium with partial slip, IOSR journal of mechanical and civil engineering ,Vol 14, issue 2 Ver I PP:14-23,2017.
- 57- Ahmad M.Abdul Hadi,Tamara S.Ahmed "Peristaltic transport of MHD flow and heat transfer in a tapered asymmetric channel through porous medium:effect of variable viscosity ,velocity, non-slip and temperature jump" International journal of advance scientific and technical research, Issue (7) Vol:2,PP:53-69,2017.
- 58- Ahmad M.Abdul Hadi,Mohammed R.Salman "Soret and Dufour effects in MHD peristaltic of Pseudoplastic nano fluid with porous medium in tapered channel" IJSR Issue (12),Vol 6,PP:1634-1651 December 2017.
- 59- Ahmad M.Abdul Hadi, Hanaa Abdulhussian" Peristaltic transport of couple stress fluid through an inclined asymmetric and non-uniform channel with porous medium" IJSR Issue 2,Vol 7, pp:7-16 February 2018.
- 60- Ahmad M.Abdul Hadi, Hanaa Abdulhussian" Peristaltic transport of couple stress fluid through asymmetric non-uniform channel with porous medium" IJSR Issue 1,Vol 7, pp:7-16 January 2018.
- 61- Ahmad M.Abdul Hadi,Hayat Ali "Influence of magnetic field on peristaltic transport for Eyring-powell fluid in asymmetric channel during a porous medium' Mathematical theory and modeling No.9,Vol 7 PP:9-22,2017.
- 62- Ahmad M.Abdul Hadi,Hayat Ali" The peristaltic transport of MHD powell-Eyring fluid through porous medium in asymmetric channel with slip condition" IJSR, Issue 12, Vol.6,PP:1509-1516 December 2017.
- 63- Ahmad M.Abdul Hadi,Hayat Ali " Analysis of heat transfer on peristaltic

transport of Powell- Eyring fluid in an inclined tapered symmetric channel with hall and Ohm's heating influence" Journal of Al-Qadisiyah for computer science and mathematics, No.2,Vol.10 PP:26-41 2018.

64- Ahmad M.Abdul,Mohammed R.Salman "Effect of MHD on peristaltic transport and heat transfer with variable viscosity in porous medium IJSR,Issue 2 Vol 7 February 2018.

65- Ahmad M.Abdul Hadi,Tamara S.Ahmed"Effect of magnetic field on peristaltic flow of Williamson fluid through a porous medium in an inclined tapered asymmetric channel" mathematical theory and modeling Vol.7, No.5, PP 49-65,2017.

66- Ahmad M.Abdul Hadi,Tamara S.Ahmed,"Effect of magnetic field on peristaltic flow of Jeffery fluid through porous medium in a tapered asymmetric channel"Clobal Journal of mathematics,Vol.9, No.2,605-617,2017.

67- Ahmad M.Abdul,Mohammed R.Salman"Influence of heat and mass transfer on inclined (MHD) peristaltic of pseudoplastic nanofluid through the porous medium with couple stress in an inclined asymmetric channel"The Sixth Scientific Conference "Renewable energy and its applications,IOP Cof.Series :Journal of physics Conf.series 1032, 012043, (2018).

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69- Ahmad M.Abdul Hadi,Hayat Ali "The peristaltic transport of MHD Eyring-Powell fluid through porous medium in a three dimensional rectangular duct", International journal of pure and applied mathematics,Vol 119,No.18 PP:273-286,(2018).

70- Ahmad M.Abdul Hadi, Farah Alaa Adnan" Effect of Magnetic Field on Peristaltic Transport of Bingham plastic Fluid" Jour of Adv Research in Dynamical & Control Systems, Vol. 10, 10-Special Issue, 2018.

## الرسائل والاطاريح واسماء الطلبة الذين اشرفت عليهم

### The students whom worked under my supervision(Thesis)

- 1-Flow of Non-Newtonian fluid in a curved duct with different aspect ratio,(2003),Ahmad Zainy,M.Sc.
- 2-Unsteady flow of Non-Newtonian fluid in a curved pipe with rectangular cross-section,(2004)Mohammad Ali Murad,M.Sc.
- 3- Steady and unsteady flow of Newtonian fluid in curved annulus pipe,(2005),Fathil Ahmad Abdula,M.Sc.
- 4- On a Newtonian fluid flow problem in two dimension solving by MAC and SIMPLE,(2006),Mohammed Sabah,M.Sc.
- 5- Numerical study of Newtonian fluid in rotating pipes in three dimension,(2007),Ndal M.AbdulAmeer,M.Sc.
- 6- Steady and unsteady flow in a side heated free convection loop placed in magnetic field,(2008),Ahmad Jameel,M.Sc.
- 7- Unsteady pressure drop and heat transfer of magneto hydrodynamic annular two-phase in rectangular channel,(2009),Dhefaf Raisan,M.Sc.
- 8- Flow analysis of third order fluid in helical pipe with circular cross-section,(2010),Wala'a A.Majeed,M.Sc.
- 9- Analytical solution for unsteady MHD flow of a third grade fluid with constant viscosity,(2011).Mohammed Alaa,M.Sc.
- 10- The effect of MHD on unsteady flow of a second grade fluid film over an unsteady stretching sheet,(2012),Hanan Frauq,M.Sc.
- 11- The effect of MHD on flow field with Oldroyd-B fluid model,(2012),Amaal Mohi,M.Sc.
- 12- Unsteady heat transfer analysis on the MHD flow of a second grade

- fluid in a channel with porous media,(2012),Safa Shadh,M.Sc.
- 13- Effect of MHD on accelerated flows of a viscoelastic fluid with the fractional Burger's model,(2013),Hind Shakir,M.Sc.
- 14- Flow analysis for some generalized Burger's and Oldroyd-B fluids with fractional derivstive.(2015) Ghada Hussian Ibraheem,Ph.D.
- 15- Effect of rotation and MHD on peristaltic flow with constant and variable viscosity (2015) Aya Hadi, M.Sc.
- 16- Influence of MHD on Newtonian fluid and heat transfer in microchannel between two parallel plates using HAM.(2013),Marwan Abdul alsatar Ahmed, M.Sc.
- 17- Effect of couple stress on magnaticohydro dynamic peristaltic transport and heat transfer on horizontal and inclined symmetric channel.(2014), Ghusoon Ghazi Mhammad, M.Sc.
- 18- The hydrodynamic squeeze film lubrication of the human hip joint (2015), Enas Yahya Abdullah,Ph.D.
- 19- Flow analysis of some non-Newtonian peristaltic transport problems.(2015),Lika Zaki Hummady.Ph.D.
- 20- Peristaltic transport for fractional Maxwell model and generalized Burger's fluids in an inclined channel.(2014), ALi Ibraheem Abdul hussian, M.Sc.
- 21- Study the effect of magnaticohydrodynamic on unsteady flow and heat transfer upon stretching sheet with non-uniform heat .(2013),Tagreed Kasim Ibraheem , M.Sc.
- 22- The influence of magnaticohydrodynamic on Newtonian fluid in veritical channel with porous wall Using HAM.(2013),Khalied Ibraheem Jabar, M.Sc.
- 23-Flow analysis for peristaltic transport of a Jeffrey and Carreau fluids,(2015),Dheia Gaze.

24- Peristaltic flow for some Non-Newtonian fluid through curved and an inclined planer channel,(2016) Ali Mohammed Kmal.

25- Effect of wall tapered an MHD peristaltic in porous medium with partial slip. (2017), Mohammed Salim Ramadhan

26- Effect of wall tapered on inclined magnetic field on peristaltic flow of Williason fluid,(2017), Khalid Khalifa Jassim.

27- Effect of couple stress and heat transfer magnato peristaltic transport for Newtonian fluid in Porous medium,(2016),Alaa Walied

**Note:** Now under my supervision three(3) Ph.D and two(2) Ms.C

**students.**

