



DR. MUHAMMAD QASIM

Assistant Professor

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 COMSATS Insitute of Information Technology,
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Permanent Address

House No. 78-B, Street No. 20, Sector G-6/2,
 Islamabad-Pakistan

Date of Birth

September 12, 1984

Gender

Male

Nationality

Pakistani

Martial Status

Un-Married

EDUCATION/ACADEMIC DEGREES

Ph.D (2011):

Department of Mathematics
 Quaid-i-Azam University, Islamabad, Pakistan
 Major Field: Mathematics (Fluid Mechanics)
 Thesis Title: Two and three dimensional flows in
 Non-Newtonian fluids

M.Sc (2007):

Department of Mathematics
 International Islamic University, Pakistan
 Major Field: Mathematics Applied Mathematics

B.Sc (2004):

Government Colledge for Men, Islamabad
 Major Subjects: Mathematics (A+B) & Statistics

RESEARCH AREA(S)

- Fluid Mechanics, Newtonian and non-Newtonian fluids
- Heat and Mass Transfer Analysis
- Solutions of Non-Linear Differential Equations
- Biofluid Mechanics (Peristaltic Flows)
- Mathematical Modeling and Simulation

AWARDS/SCHOLARSHIPS/HONORS

- Research Productivity Award (RPA) 2011-2012 by Pakistan Council for Science and Technology (PCST)
- Research Productivity Award (RPA) 2011 by COMSATS Institute of Information Technology, Islamabad-Pakistan.
- Research Grant from the Research Productivity Allowance of Dr. Tasawar Hayat by PCST for the year 2008-2009.
- Merit scholarship during M.Sc by International Islamic University Grants, Islamabad, Pakistan.
- Merit scholarship during M.Phil/Ph.D by Quaid-i-Azam University Grants, Islamabad, Pakistan.
- Annual scholarship from Social welfare organization from class six to Msc.
- Reviewer of **21** International journals.
- Editorial Board member of **01** journal.
- Having **25** publications, **102** citations, **27.104** impact factor and h-index **07** in **03** years.

PROFESSIONAL EXPERIENCE

- Working as an Assistant Professor in Mathematics Department at COMSATS Institute of Information Technology, Islamabad, Pakistan from Aug. 2011 to date.
- Worked as Senior Research Assistant at Quaid-i-Azam University from Sep. 2008-March 2011
- Worked as a Visting Assistant Professor in Physics Department at International Islamic University from Sep. 2010 to May. 2011
- Worked as Visiting lecturer in Federal Urdu University of Science and Technology from March 2011-July2011
- Worked as a Visting lecturer in COMWAVE Institute of Science and Information Technology Islamabad from July. 2007 to May. 2010.

SEMINARS DELIVERED

1. Steady flow of an Powell-Erying fluid with convective boundary conditions, International workshop on Mathematical Sciences and its applications, at COMSTECH 23-25, May 2011.
2. “Three dimensional flow of an elástico-viscous fluid with mass transfer ” at Department of Mathematics, 2010

3. “Radiation and mass transfer effects on the magnetohydrodynamic unsteady flow induced by a stretching sheet” at Department of Mathematics, 2009.

CONFERENCES ATTENDED

1. International Conference on Recent Developments in Fluid Mechanics, July 02-04, 2007, Quaid-i-Azam University, Islamabad-Pakistan.
2. Second international conference on “Recent Developments in Fluid Mechanics”, August 11-13, 2008, Quaid-i-Azam University, Islamabad-Pakistan
3. Third international conference on “Recent Developments in Fluid Mechanics”, July-01, August 2009, Quaid-i-Azam University, Islamabad-Pakistan.
4. International Scientific Spring 2010, March 1-6 2010 at National Center for Physics (NCP) Islamabad, Pakistan
5. All Pakistan Mathematics Conference to be held from July 22-23, 2010 at National Center for Physics (NCP) Islamabad, Pakistan
6. Fourth International conference on “Recent Developments in Fluid Mechanics”, August, 1-3, 2010, Quaid-i-Azam University, Islamabad-Pakistan
7. International workshop on "Mathematical Sciences and their Applications" 23-25 May 2011, COMSTECH Islamabad, Pakistan.

REVIEWER of INTERNATIONAL JOURNALS

1. Communications in Non-Linear Sciences and Numerical Simulation
2. Zeitschrift Fur Naturforschung A (ZNA)
3. Candian Journal of Chemical Engineering
4. Asia Pacific Journal of Chemical Engineering
5. International Journal for Numerical Methods in Fluids
6. Journal of Mechanical Science and Technology
7. Scientica Iranica (Iran)
8. International Journal of the Physical Sciences
9. The Walailak Journal of Science and Technology (WJST)
10. Thermal Sciences (The Republic of Serbia)
11. Nonlinear Analysis: Modelling and Control
12. ASME Journal of Heat Transfer
13. The World Scientific and Engineering Academy and Society (WSEAS)
14. ASME Journal of Fluid Engineering
15. World Applied Sciences Journal
16. Chemical Engineering Communications
17. Journal of Porous Media
18. Journal of Mechanics (Tiawan)
19. Ain Shams Engineering Journal
20. International Journal of Latest Trends in Mathematics
21. MAEJO International Journal of Science and Technology

EDITORIAL BOARD MEMBER

- Mathematical Modelling and Applied Computing (MMAC)

PEER-REVIEWED JOURNAL PUBLICATIONS

(From 2010 to date)

Published

2010

1. Radiation and mass transfer effects on the magnetohydrodynamic unsteady flow induced by a stretching sheet
Zeitschrift Fur Naturforschung A, 65, 231-239 (2010) **Germany**,
Authors: T. Hayat, **M. Qasim** and Z. Abbas
Impact Factor: **0.940**, Citations: **24**
2. Homotopy solutions for the unsteady three dimensional MHD flow and mass transfer in a porous media
Communications in Non-Linear Science and Numerical Simulation, 15(9), 2375-2387 (2010) **U.K**
Authors: T. Hayat, **M. Qasim** and Z. Abbas
Impact Factor: **2.806**, Citations: **13**
3. Influence of thermal radiation and Joule heating on Magnetohydrodynamic flow of a Maxwell fluid in the presence of thermophoresis.
International Journal of Heat Mass Transfer, 53, 4780-4788 (2010), **U. S. A**
Authors: T. Hayat and **M. Qasim**
Impact factor: **2.407**, Citations: **05**
4. Magnetohydrodynamic flow and mass transfer of a Jeffery fluid over a nonlinear stretching surface
Zeitschrift Fur Naturforschung A, 65a, 1111-1120 (2010), **Germany**
Authors: T. Hayat, **M. Qasim**, Z. Abbas and Awatif A. Hendi
Impact Factor: **0.940**, Citations: **00**
5. Effects of Thermal Radiation on Unsteady Magnetohydrodynamic Flow of a Micropolar Fluid with Heat and Mass Transfer
Zeitschrift Fur Naturforschung A, 65 (2010) 950-960 **Germany**,
Author(s): T. Hayat and **M. Qasim**
Impact Factor: **0.940**, Citations: **00**

2011

6. MHD flow and heat transfer over permeable stretching sheet with slip condition
International Journal for Numerical Methods in Fluids, 66 (2011) 963-975, **U.S.A**
Authors: T. Hayat, **M. Qasim** and S. Mesloub
Impact Factor: **1.176**, Citations: **09**
7. Effects of mass transfer on the stagnation point flow of an upper-convected Maxwell (UCM) fluid
International Journal of Heat and Mass Transfer 54 (2011) 3777-3782, **U. S. A**
Authors: T. Hayat, M. Awais, **M. Qasim** and A. A. Hendi
Impact Factor: **2.407**, Citations: **04**
8. Mixed convection flow of a micropolar fluid with radiation and chemical reaction
International Journal for Numerical Methods in Fluids, 66, (2011), 950-960, **U.S.A**
Authors: **T. Hayat**, S. A. Shehzad and M. Qasim
Impact Factor: **1.176**, Citations: **01**
9. Three dimensional flow of an elasto-viscous fluid with mass transfer
International Journal for Numerical Methods in Fluids, 66 (2011), 194-211, **U.S.A**
Authors: T. Hayat, **M. Qasim** and Z. Abbas
Impact Factor: **1.176**, Citations: **08**
10. Steady flow of a Maxwell fluid with convective boundary conditions
Zeitschrift Fur Naturforschung A, 66 (2011), 417-422, **Germany**
Authors: T. Hayat, S. A. Shehzad, **M. Qasim** and S. Obaidat
Impact Factor: **0.940**, Citations: **00**
11. Radiation and magnetic field effects on the unsteady mixed convection flow of a second grade fluid over a vertical stretching sheet
International Journal for Numerical Methods in Fluids, 66 (2011) 963-975, **U.S.A**
Authors: T. Hayat and **M. Qasim**
Impact Factor: **1.176**, Citations: **06**
12. Thermal Radiation Effects on the Mixed Convection Stagnation-Point Flow in a Jeffery Fluid
Zeitschrift Fur Naturforschung A, 66, 606 – 614 (2011), **Germany**
Authors: T. Hayat, S. A. Shehzad, **M. Qasim** and S. Obaidat
Impact Factor: **0.940**, Citations: **00**
13. Heat and mass transfer flow in an electrically conducting fluid over a permeable stretching sheet with ohmic dissipation
Journal of Porous Media, **U.S.A**
Authors: T. Hayat, **M. Qasim** and Z. Abbas
Impact Factor: **0.516**, Citations: **00**

14. Effects of slip conditions on stretching flow with ohmic dissipation and thermal radiation
Heat Transfer: Asian Research
Authors: **M. Qasim**, T. Hayat and A. A. Hendi
Impact Factor: **0.000**, Citations: **00**
15. Flow of a Second grade fluid with convective boundary conditions
Thermal Science, 15(2), 253-261 (2011), **Serbia**
Authors: T. Hayat, S. A. Shehzad, **M. Qasim** and S. Obaidat
Impact Factor: **0.779**, Citations: **00**

2012

16. Radiative flow of Jeffery fluid in a porous medium with power law heat flux and heat source
Nuclear Engineering and Design, 243 (2012) 15-19, **U.K**
Authors: **T. Hayat**, S. A. Shehzad, M. Qasim and S. Obaidat
Impact Factor: **0.765**, Citations: **00**
17. Steady flow of an Eyring Powell fluid over a moving surface with convective boundary conditions.
International Journal of Heat and Mass Transfer, 55 (2012) 1817-1822, **U. S. A**
Authors: T. Hayat, Z. Iqbal, **M. Qasim** and S. Obaidat.
Impact factor: **2.407**, Citations: **00**
18. Steady flow of a Williamson fluid past a porous plate
Asia Pacific Journal of Chemical Engineering, 7 (2012), 302-306, **Australia**
Authors: T. Hayat, Umbreen Khalid and **M. Qasim**
Impact Factor: **0.758**, Citations: **00**
19. Radiative flow with variable thermal conductivity and porous medium
T. Hayat, S. A. Shehzad, **M. Qasim** and Awatif A. Hendi
Zeitschrift Fur Naturforschung A, 67 (2012), 153-159, **Germany**
Impact Factor: **0.940**, Citations: **00**
20. Radiation effect on the viscoelastic flow along an inclined stretching sheet
Zeitschrift Fur Naturforschung A, 67 (2012) 195-202, **Germany**
Authors: **M. Qasim**, T. Hayat and S. Obaidat
Impact Factor: **0.940**, Citations: **00**
21. Heat transfer in a Couple stress fluid over a continuously moving surface with internal heat generation and convective boundary conditions
Zeitschrift Fur Naturforschung A, 67 (2012) 217-224, **Germany**
Authors: T. Hayat, Z. Iqbal, **M. Qasim** and S. Obaidat

Impact Factor: **0.940**, Citations: **00**

In press

22. Boundary layer flow of Maxwell fluid with power law heat flux and heat source, International Journal for Numerical methods in Heat and Fluid Flow, Authors: T. Hayat, S. A. Shehzad, **M. Qasim** and Awatif A. Hendi, Impact Factor: **0.752**, Citations: **00**
23. On mixed convection stagnation point flow of Maxwell fluid with thermal radiation and source/sink. International Journal of Heat and Mass Transfer, **U. S. A** Authors: T. Hayat, Ansa Rafique, **M. Qasim** and S. Obaidat. Impact factor: **2.407**, Citations: **00**
24. Flow of a Jeffrey fluid with convective boundary conditions International Journal for Numerical Methods in Fluids, **U.S.A** Authors: T. Hayat, S. Asad and **M. Qasim** Impact Factor: **1.176**, Citations: **00**
25. Effects of mass transfer on MHD flow of Casson fluid with chemical reaction and suction. Brazilian Journal of Chemical Engineering Authors: T. Hayat, S. A. Shehzad, **M. Qasim** and Awatif A. Hendi, Impact Factor: **0.637**, Citations:

Total Publications	25
International Publications	25
ISI Publications	24
National Publications	00
Impact Factor	27.134
(Up to 25 papers)	
Citations	106
h-index	07