

NAME	MUHAMMAD RAHEEL MOHYUDDIN
FATHER'S NAME	GHULAM MOHYUDDIN
ADDRESS	Professor UGMI, An affiliated University of UK IIUI, IQRA University Islamabad
CONTACT	390, St 07, G-10/1, Islamabad Phone: (92) 051 8736410 Pakistan Mobile: (92) 03355957733  E-mail: m_raheel@yahoo.com  Muhammad.r.mohyuddin Raheelmohyuddin 
MARITAL STATUS	Married
N.I.C.	61101-1760061-3 (Pakistan) 103136425 (Oman)
EOBI	4600 E 160276
DATE OF BIRTH	09 April 1974
PASSPORT	AC0140612-613 (5 April 2016 – 3 April 2026)
PRIZES/AWARDS	9
PUBLICATIONS	54 Papers, 1 Book, 1 Monograph Impact Factor publications: 24, International: 50, National: 3, Conference: 4
DOMICILE	Islamabad
RESEARCH	12 Years: (9 -QAU Islamabad; 1-GCISC Islamabad; 1-International Islamic University Kuala Lumpur; International Centre for Theoretical Physics; IASBS)
PROJECTS	7 (3 Fluid Mechanics, 2 Traffic Flow, 2 Education)
EXPERIENCE	Professor: 12, Associate Professor: 2.3, Assistant Professor: 4.3 ASSISTANT/ASSOCIATE PROFESSOR: 17 (PhD, 2006) International online teaching: 1.6 RESEARCH & TEACHING: 26 years
CITATIONS	485
IMPACT FACTOR	42.242

EDUCATION

Ph.D. (Fluid Mechanics)	Quaid-i-Azam University, Islamabad, Pakistan, 28-08-2006
Title:	<i>On solutions of non-linear equations arising in Rivlin-Ericksen fluids</i>
M. Phil. (Fluid Mechanics)	Quaid-i-Azam University, Islamabad, Pakistan, 19-10 -1998
Title:	<i>Study of Non- Newtonian fluids</i>
M.Sc. (Mathematics)	Quaid-i-Azam University, Islamabad, Pakistan, 31-03-1996
B.Sc. (Mathematics & Statistics)	Punjab University, Lahore, Pakistan, 15-01-1994
F. Sc. (Pre-Engineering)	Islamabad College for Boys, Islamabad, Pakistan, 28-12-1991
Matriculation (Science)	F.G. Boys School, G-6/4, Islamabad, Pakistan, 27-06-1989

JOB EXPERIENCE

- **Professor**, Visiting, University of Greater Manchester, Islamabad, 4-02-2025 to-date
- **Professor**, Visiting, Iqra University, Islamabad, 10-08-2023 to-date
- **Professor**, FAST University Islamabad Pakistan 22-08-2022 to 25-06-2023
- **Professor**, Riphah International University, Islamabad, Pakistan 01-10-2020 to 08-01-2021
- **Professor**, Visiting, IIU, Islamabad 10-8-2019 to 30-09-2020
- **Professor & Head, NCBAE**, Gujrat, Pakistan 27-08-2017 to 29-03-2020
- **(UK Scale) Senior Lecturer**, Caledonian College of Engineering, Oman, 20-08-2015 to 19-07-2017
- **Professor (Visiting), FAST**, Islamabad, Pakistan. 19-8-2013 to 12-8-2015
- **Professor, NCBA & E**, Gujrat, 10-8-2013 to 15-8-2015.
- International online teaching 2013-2014.
- **Associate Professor**, International Islamic, Islamabad, Pakistan, 4-2-2013 to 30-6-2013.
- **Associate Professor**, COMSATS Institute of Information technology, Islamabad, Pakistan, 25-08-2011 to 19-12-2012.
- **Associate Professor**, Foundation University Institute of Engineering & Management Sciences, Rawalpindi, Pakistan, 15 December 2010 to 20 Jun 2011.
- **Assistant Professor**, Foundation University Institute of Engineering & Management Sciences, Rawalpindi, Pakistan, from 29-01-2009 to 14 December 2010.
- **Assistant Professor**, Department of Science in Engineering, Kulliyah of Engineering, International Islamic University Malaysia, Kuala Lumpur 19-03-2007 to July 2008.
- Lecturer, Co-curricular Activity Centre, International Islamic University Malaysia, Kuala Lumpur December 2007 to June 2008.
- **Assistant Professor, Air University**, Department of Mathematics, E-9, Islamabad, 01 Nov 2006 to 09 March 2007.
- **Section Head**, Global Change Impact Studies Centre (**GCISC**), Saudi-Pak Tower, Islamabad, 05 Dec 2005 to 31 Oct 2006.
- **Visiting Lecturer**, Foundation of Advancement for Science and Technology (**FAST**), Islamabad, Jan-Jul 2003.
- **Lecturer, University education project**, Department of Electronics, Quaid-i-Azam University, Islamabad, 1998-2000.

- **Assistant**, Muhammad Ali Jinnah University (**MAJU**), Islamabad, Pakistan, 6-1-1999 to 9-8-1999.
- **Assistant**, National University of Sciences & Technology (**NUST**), Rawalpindi, Pakistan, 1997
- Online teaching 2023

JOBs Offered

Senior Lecturer, Caledonian College of Engineering, Oman, 10-07-2017

USD 4500

Assistant Professor, King Abdul Aziz University, Saudi Arab 2008

ADMINISTRATIVE

1. Member: Board of Study (COMSATS Islamabad 2012)
2. Member: Board of Study (FUI, Islamabad 2010)
3. Charge of Exams & Interviews for MS, M Phil, PhD: COMSATS, 2011-2012
4. Director, PRIME, 2010-2015
5. Administrative work, Caledonian College of Engineering, Oman, 2016-2017
 - i. Module Leader-Technical Mathematics
 - ii. Organizer-Quiz Competition
 - iii. Staff in-charge-Mathematics Learning Support Centre
 - iv. Board Member, Foundation Program Board & Assessment
 - v. Member, Scrutiny of Exam
 - vi. Online Lecture

RESEARCH EXPERIENCE

- TWAS-UNESCO Associate-ship 2008-2011, **Institute for Advanced Studies in Basic Sciences**, Zanjan 45195, Iran, 2009.
- Visiting Scholar, **International Centre for Theoretical Physics** (ICTP), Trieste, Italy, Sandwich Educational Training Programme (STEP), *International Atomic Energy Agency IAEA/ICTP*, 19 Oct 2003 to 19 Jan 2004.
- **Junior Research Assistant**, Quaid-i-Azam University, Islamabad, Pakistan (1996-1998).
- **Senior Research Assistant**, Quaid-i-Azam University, Islamabad, Pakistan (1999-2006).
- Mathematical Modeling Simulation in Engineering Research Group, International Islamic University Malaysia, Kuala Lumpur (2007- 2008).
- Research Group, Fluid Mechanics in Engineering, Caledonian College of Engineering, Oman 2017.

AWARDS/MEDALS

1. TWAS-UNESCO Associate-ship 2008-2011, **TWAS**, Trieste, Italy 20-05-2008.
2. **Gold Medal & Bronze Medals**, Kulliyah of Engineering Research & Innovation Exhibition 12-13/12/2007, International Islamic University Malaysia, Kuala Lumpur.
3. **Star Laureate 2006**, *South Asia Publications*, Pakistan, 19th Aug 2007.
4. **Star Laureate 2011**, *South Asia Publications*, Pakistan, 5-10-2012.
5. **Best Teacher 2006**, Pakistan Education Forum, Pakistan.

6. **Dr. Raziuddin Siddiqi Gold Medal Prize 2005 in the field of Mathematics**, Pakistan Academy of Sciences, Islamabad, Pakistan, 24th December 2005.
7. PUBLONS. New Zealand
 - i. Peer Reviewer for Mathematics, 2016
 - ii. Peer Reviewer for Multidisciplinary, 2017
 - iii. Academy Mentor, 2021, 2022, 2023
 - iv. Papers Reviewed 161 (International Journals) 2024

DISTINCTIONS/SCHOLARSHIPS

Dr. Raziuddin Siddiqi Research Fellowship, NCP, Quaid-i-Azam University, Islamabad, January 2005 to December 2005.

Research Honorarium for the year 2004, National University of Sciences and Technology (NUST), Rawalpindi.

Ph.D. **Merit Scholarship**, Quaid-i-Azam University, Islamabad, July 1999 to Dec 2003.

Approved PhD Supervisor, Higher Education, Islamabad, Pakistan, 2006

Productive Scientist of Pakistan 2011, 2005, PCST, Islamabad

Research Productivity Allowance: 2007, 2008, 2011, 2012; PCST, Islamabad, Pakistan.

Research Productivity Award 2011, COMSATS, Islamabad, Pakistan

PUBLICATIONS

1. Involvement of Students in E-Learning
Imanager Journal of Education Technology 14(3), 32-39 (2017)
Marwa Al Yah, Sheikha A Aziz, Muhammad Raheel Mohyuddin, N Blushi
2. Involvement of Students in E-Learning
International Under-graduate Conference, Egypt (2017) 23-27 July 2017
Marwa Al Yah, Sheikha A Aziz, Muhammad Raheel Mohyuddin
3. Implementation of teaching Methods in Engineering College
International Under-graduate Conference, Egypt (2017)
Hassan Sajid, Hana Tariq, Muhammad Raheel Mohyuddin
4. Unsteady flow of grade 3 fluid
International Journal of Advances in Engineering Mathematics & Fluid Mechanics, 1(2), 6-8 (2017)
Muhammad Raheel Mohyuddin
5. Mathematical and Simulink Model for Paint Industry Effluent
doi:10.18831/djchem.org/2016021001
Journal of Engineering Chemistry and Fuel, 1(2) 1-8 (2016)
Muhammad Raheel Mohyuddin, Jamshaid ul Rahman, Syed Zahoor, SV, Amira
6. Modelling of two Interconnected Spring Carts and Minimization of Energy
doi:10.18831/djmaths.org/2016011002
Journal of Engineering and Applied Mathematics, 2(1) 7-11 (2016)
Muhammad Raheel Mohyuddin, Jamshaid ul Rahman, Naveed Anjum, Rehan
7. Perturbation Unsteady Flows of 1-D Fluid

doi:10.18831/djcivil.org/2015011002

Journal of Advances in Civil Engineering, 1 (1), 8-11 (2015)

Muhammad Raheel Mohyuddin, Samra, Syed Mohammad Rizwan

8. Mathematical Modeling & Simulation of Mixing of Salt in 3- Interconnected Tanks
doi:10.18831/djcivil.org/2015011001
Journal of Advances in Civil Engineering, 1 (1), 1-7 (2015)
Muhammad Raheel Mohyuddin, Jamshaid ul Rahman, Syed Zahoor, Naveed Anjum
9. Similarity having perturbation in Newtonian fluid
i-managers Journal on Mathematics, 4, 22-27 (2015)
Samra, Muhammad Raheel Mohyuddin, Syed Mohammad Rizwan
10. Dynamics of Drainage of Power law Liquid into a Deformable Porous Material
Open Journal of Fluid Dynamics, 4, 403-414 (2014)
J. I. Siddique, A. Landis, Muhammad R Mohyuddin
11. Exact flows of viscous flow
Journal of Porous Media, 14 (9) 827-831 (2011)
Impact Factor: 1.782
A.M. Siddiqui, Tahira Haroon, Waqar,
Muhammad R. Mohyuddin
12. Viscous flow in porous media
Journal of Porous Media, 14 (8) 735-742 (2011)
Impact Factor: 1.782
A.M. Siddiqui,
Tahira Haroon, Muhammad Kahshan, Muhammad R. Mohyuddin
13. Grade-II MHD fluid flow in porous media
Journal of Porous Media, 13 (11) 1033-1037 (2010)
Impact Factor: 1.782
Muhammad R. Mohyuddin, S. Islam, A. Hussain, & A.M. Siddiqui
14. Unsteady flow of Jeffery fluid
WASJ, 10 (1), 19-22 (2010)
S. Islam, Saqib, Zaman, Muhammad R. Mohyuddin
15. Flows of 3-grade fluid
Journal of Mathematics & Computer Science, 1 (2), 106-121 (2010)
Muhammad R. Mohyuddin, Muhammad A. Sadiq, A.M. Siddiqui
Impact Factor 0.181
16. Few Exact Solutions of the Non-Newtonian Fluid in Porous Medium with Hall Effects
Journal of Porous Media, 11, 669-680 (2008)
Impact Factor: 1.782
S. Islam, Muhammad R. Mohyuddin, C. Y. Zhou
<http://www.begellhouse.com/journals/49dcde6d4c0809db.5b1e04c83aac8518.html>
17. Exact Solutions of time-dependent Navier-Stokes equations by Hodograph-Legendre transformation method
Tamsui Oxford Journal of Mathematical Sciences, 24(3), 257-268 (2008)
Muhammad R. Mohyuddin, A.M. Siddiqui, Hayat, J. Siddiqui, S. Asghar
<http://www.mcs.au.edu.tw/vol-24-3.htm>

18. Few Exact Solution of the Stokes' Problem with Slip at the Wall in Case of Suction/blowing,
***Journal of Mechanical Science and Technology*, 21, 829-836 (2007) Impact Factor: 1.810**
Muhammad R Mohyuddin
19. Hydromagnetic unsteady Rivlin-Ericksen third grade flow for Stokes second problem
***Chemical Engineering Communications*, 194(9), 1201-1214 (2007)**
Impact Factor: 2.586
Muhammad R. Mohyuddin, A.M. Siddiqui, Azhar
20. **Corrigendum to:** "Inverse solutions for a second-grade fluid for porous medium channel and Hall current effects" ***Proceedings of Indian Academy of Sciences*, 117(2), 283-285 (2007). Impact Factor: 0.626**
Muhammad R. Mohyuddin, A. Ahmad
21. Unsteady MHD flow due to eccentric rotating disks for suction & blowing
***Turkish Journal of Physics* 31, 123-135 (2007)**
Muhammad R. Mohyuddin
Impact Factor 0.173
22. MHD Flow and heat transfer for second grade fluid in a porous medium with modified Darcy's law, ***International Journal of Fluid Mechanics Research*, 34(5), 462-474 (2007)**
Muhammad R. Mohyuddin
<http://www.begellhouse.com/journals/71cb29ca5b40f8f8,2359a68b21060788.html>
Impact Factor 0.32
23. A note on unsteady viscous flow with general free stream velocity
***Tamsui Oxford Journal of Mathematical Sciences*, 23(4), 473-478 (2007)**
<http://www.mcs.au.edu.tw/vol-23-4.htm>
Muhammad R. Mohyuddin
24. Magneto-hydro-dynamic unsteady second-grade fluid flow for Stokes' problem
***International Journal of Applied Mechanics & Engineering* 12(4) 1061-1072 (2007)**
Muhammad R. Mohyuddin, A. M., Siddiqui, Azhar
25. Few Exact Solutions of the Navier-Stokes' Equations
***Arab Journal of Mathematics & Mathematical Sciences* 1(2) 2007**
Muhammad R. Mohyuddin, A. M. Siddiqui
<http://www.ripublication.com/Volume/ajmmsv1n2.htm>
26. Few Exact Solutions for Unsteady Viscous Flow
***International Journal of Theoretical & Applied Mechanics* 2(1-2), 29-37 (2007)**
Muhammad R. Mohyuddin, Ahmed Faris Ismail, M. Azram
<http://www.ripublication.com/Volume/ijtamv2n1.htm>
27. Unsteady Magnetohydrodynamics fluid & heat flow
***International Journal of Dynamics of Fluids* 3(2), 175-186 (2007)**
Muhammad R. Mohyuddin, K. Fakhar, Ali Ahmed
<http://www.ripublication.com/Volume/ijdfvol3n2.htm>
28. ***On solutions of non-linear equations arising in Rivlin-Ericksen fluids Thesis*, 1-174 (2006)**
Muhammad R. Mohyuddin
29. Stokes' problem for an oscillating plate in a porous medium with Hall effects
***Journal of Porous Media*, 9(3), 195-205 (2006) Impact Factor: 1.782**
Muhammad R. Mohyuddin

Publisher: Begell House.

<http://www.begellhouse.com/journals/49dcde6d4c0809db.html>

30. On Stokes problem for a non-Newtonian fluid due to a variable shear stress:
***Canadian Journal of Physics*, 84(11) 945-958 (2006)**
Impact Factor: 1.358
Asghar, S., Muhammad R. Mohyuddin, P. D., T. Hayat
31. On inverse solutions of unsteady Riabouchinsky flows of second grade fluid
***Tamsui Oxford Journal of Mathematical Sciences*, 22(2) 221-229 (2006)**
http://www.mcs.au.edu.tw/in-jms.htm#Vol_22_2_2006
Asghar, S., Muhammad R. Mohyuddin, T. Hayat, Siddiqui
32. On semi-inverse solutions for the time-dependent flows of a second grade fluid
***MPE*, 2006, 1-22 (2006), 54295 Impact Factor: 1.430**
Muhammad R. Mohyuddin,
Asghar, S., Hayat, Siddiqui.
33. Resonance and Viscoelastic Poiseuille Flow in a Porous Medium
***Journal of Porous Media*, 9(8), 799-806 (2006) Impact Factor: 1.782**
<http://www.begellhouse.com/journals/49dcde6d4c0809db,24b8ff443c895893.html>
Muhammad R. Mohyuddin
34. Unsteady MHD oscillating flow with general free stream velocity
***Journal of Prime Research in Mathematics* 2, 131-140 (2006)**
http://www.sms.edu.pk/JPRM4_2.pdf
Muhammad R. Mohyuddin
35. Inverse unsteady flows of a viscous fluid
***International Journal of Theoretical & Applied Mechanics*, 1(2), (2006)**
Muhammad R. Mohyuddin
Asghar, S. & Hayat
<http://www.ripublication.com/Volume/ijtamv1n2.htm>
36. Effects of Hall current & heat transfer on flow due to a pull of eccentric rotating disks
***International Journal of Heat and Mass Transfer*, 48, 599-607 (2005)**
Impact Factor: 5.431
Asghar, S., Muhammad R. Mohyuddin, Hayat
37. Some inverse solutions for unsteady fluid
***Tamsui Oxford Journal of Mathematical Sciences* 21(1), 1-20, (2005)**
T. Hayat, S. Asghar
Muhammad R. Mohyuddin
38. New solutions of the Stokes problem for an oscillating plate using Laplace transform
***Journal of Applied Sciences & Environmental Management*, 9(1), 51-55 (2005)**
E.E. Ashraf, Muhammad R. Mohyuddin
39. Stokes' problem for a third-grade fluid
***Engineering Journal of the University of Qatar* 18, 177-186, (2005)**
E.E. Ashraf, M. Ayub,
Muhammad R. Mohyuddin
40. Note on non-Newtonian flow due to a variable shear stress
***Far East Journal of Applied Mathematics*, 18(3), 313-321 (2005)**

T. Hayat, S. Asghar
Muhammad R. Mohyuddin
<http://www.pphmj.com>

41. Lie group analysis of viscoelastic MHD aligned flow and heat transfer
***Acta Mechanica Sinica*, 21(4), 342-345 (2005) Impact Factor: 2.910**
Asif Ali, Ahmer Mehmood, Muhammad R. Mohyuddin
<https://link.springer.com/article/10.1007/s10409-005-0055-5>
Publisher: Springer
42. Resonance behavior of viscoelastic fluid in Poiseuille flow in the presence of a transversal magnetic field
***International Journal for numerical methods in fluids*, 49(8), 837-847. (2005).**
Impact Factor: 1.847
Muhammad R. Mohyuddin, T. Gotz
Publisher: Wiley
43. Effects of Hall's current for Stokes' problem for third-grade fluid in the case of suction
Iranian Journal of Science & Technology, Transactions of Mechanical Engineering, **29, B6, 549-558 (2005) Impact Factor: 1.530**
Springer
E.E. Ashraf, Muhammad R. Mohyuddin
44. The flow of a viscoelastic fluid on an oscillating plate
***ZAMM*, 84(1), 1-6 (2004). Impact Factor: 1.759**
T. Hayat, S. Asghar, Siddiqui
Muhammad R. Mohyuddin
Publisher: Wiley, 10.1002/zamm.200420089
45. Inverse solutions for a second-grade fluid for porous medium channel and Hall current effects
***Proceedings of Indian Academy of Sciences*, 113(1), 1-18 (2004) Impact Factor: 0.626**
Muhammad R. Mohyuddin, Ehsan
<http://www.ias.ac.in/mathsci/>
46. On solutions of some non-linear equations arising in Newtonian & non-Newtonian fluids
***Nonlinear dynamics* 35 (3), 229-248 (2004)**
Impact Factor: 5.741
Muhammad R. Mohyuddin, T. Hayat, F.M. Mahomed, S. Asghar, Siddiqui
47. Effects of Hall Current on the Pulsating Flow of Third Grade Fluid
***Applied Sciences (APPS)* 7, 1-9 (2004)**
E.E. Ashraf, Muhammad R Mohyuddin
Publisher: Geometry Balkan Press <http://www.mathem.pub.ro/apps/v7/a7.htm>
48. Flow of a non-Newtonian flow induced to the oscillations of the porous plate
***Mathematical Problems in Engineering*, 2, 133-143, (2004)**
Impact Factor: 1.430
Asghar, S., Muhammad R. Mohyuddin, T. Hayat, Siddiqui
49. On Stokes' problem for a third-grade fluid for generalized fractional model
***ScienceVision*, 9, 141-145 (2004)**
Muhammad R. Mohyuddin, Ehsan
50. Unsteady flow of third-grade fluid in the case of suction

Mathematical & Computer Modeling, 38(1-2), 201-208, (2003)

Impact Factor: 1.286

Asghar, S., Muhammad R. Mohyuddin, T. Hayat

51. Some more inverse solutions for steady flows of a second-grade fluid

Archives of Mechanics, 55(4), 373-387, (2003)

Impact Factor: 1.180

A.M. Siddiqui, Muhammad R. Mohyuddin, Hayat, S. Asghar

<https://am.ippt.pan.pl/am/article/view/v55p373>

52. Pulsating flow of 3-grade fluid

Proceedings of Pakistan Academy of Sciences, 40 (2), 173-178 (2003)

E.E. Ashraf, Muhammad R Mohyuddin

Publisher: Pakistan Academy of Sciences

Conference Proceedings

53. Muhammad R. Mohyuddin, Iftikhar Ahmed, G. Murtaza, Ahmad Faris Ismail, M. Azram, MHD Flow and heat transfer for third grade fluid in porous medium, Proceedings of Regional Seminar on Mathematical Science in Engineering, Kuala Lumpur, 27-28 November 2007.

54. Muhammad R. Mohyuddin, Few Exact Solutions of the Flow Models by inverse Method, Proceedings of Regional Conference in Mathematics, Statistics and Applications, Kuala Lumpur, Malaysia, December 2007, 285-295

MONOGRAPHS

- Muhammad Raheel MOHYUDDIN, On solutions of non-linear equations arising in Rivlin-Ericksen fluids (electronic: www.mathem.pub.ro/apps/mono/ra-vol.pdf, APPS monographs #5, Geometry Balkan Press 2007.

BOOKS

1. **Introduction to Fluid Mechanics**, Research Management Centre (RMC), International Islamic University Malaysia, Kuala Lumpur
Waleed Faris, Muhammad Raheel Mohyuddin, Ahmad Faris Ismail
ISBN: 978-983-3855-88-9
2. **Spoken English**
Muhammad Raheel Mohyuddin, Qurat-ul-Ain, Sheikh Ismail, Ghulam Mohyuddin, Perveen Sheikh

PROJECTS

- **Few Exact Solutions of the Flow Models by Inverse Method** (01-May 2007 to 31-July 2007, International Islamic University, Kuala Lumpur, IIUM/504/RES/G/14/3/07/EDW A07-70.)
- **Non-Newtonian Magneto-hydro-dynamics Rivlin-Ericksen Fluids; Exact & Numerical Solutions** (01-Aug 2007 to 31-July 2008, International Islamic University, Kuala Lumpur, IIUM/504/RES/G/14/3/07/EDW B0701-02.)
- **Unsteady MHD & heat transfer on oscillating boundary**, (12-May 2007 to 31-July 2008, International Islamic University, Kuala Lumpur, IIUM/504/RES/G/14/3/07/EDW A07-87.)

- **The modeling: linear stability analysis of the nth-next-neighbor-interaction**, (15-04-2008 to July 2008, International Islamic University, Kuala Lumpur, IIUM/504/RES/G/14/3/1/5/EDW A08-189.)
- **Traffic flow** (2004, ICTP, Trieste, Italy)
- **Quaid-i-Azam University education project**, 1999-2003, Department of Electronics, Quaid-i-Azam University, Islamabad, Pakistan.

External Examiner

- CSS, Islamabad, 2013 to-date.
- PhD, School of Computational Mathematics, South Africa, 13-11-2009
- COMSATS, Islamabad, 06-07-2008-09. (MS & BS Students)
- COMSATS, Abbottabad, 2020, 2009-2010. (MS Students)
- Riphah International University, Islamabad (MS & PhD), November 2013
- Quaid-i-Azam University, Islamabad, 12-06-2012
- NUST, Islamabad 2012 (PhD)
- AJ & K, Kashmir 2006, 2010, 2011, 2012, 2013, 2014, 2015. (M Sc Students, M Phil)
- International Islamic University, Islamabad 2014 (M Phil)
- AWKUM, 2014
- External Examiner, SRMV College of Arts and Science, India 10 Nov 2016

Editorial Board

Editor-in-Chief

International Journal of Advances in Engineering Mathematics & Fluid Mechanics, 2016
DJ Civil 2016 to-date

Editor

AD Publications, 2017
WSEAS Transactions on Fluid mechanics, 2016
WYNO Academic Journal 2015
International Conference on Advances in Applied Mathematics 2016-01

Associate

International Journal of Applied Mathematics & Fluid Mechanics, 2020
International Journal of Mathematics, 2012

Editorial Board Member/Technical Committee

- WSEAS 2021,2022
- **International Journal of Dynamics of Fluids**
- **Republication.com, 8 Journals, 2012**
- **Engineering Letters**, International Association of Engineers, 2010
- **IJEST 2015**
- **AD Publications 2017**
- **International Journal of Engineering Mathematics & Computer Science 2014**
- **TJEAS 2014**
- **GBS-Publishers: 4 Journals 2014**
- **Journal of Engineering & Appl Mathematics 2015**
- **Advances in Mechanical Engineering 2015**
- **2022 IJFM & TS**
- **International Conference on Diversified Education and Social Development 2022**

- ***New Trends in Information & Telecommunication 2021***
- IEEE International Conference on Computer, Electronics & Electrical Engineering 2023

Referee/Reviewer

- **Physics of Fluids** 2022, 2024 AIP
- **Imanager Journal on Mathematics**, 2024
- ***Chemical Engineering Communications***, California, USA.
- ***Journal of Porous Media***, Begell House, USA.
- ***Science Vision***, COMSATS Islamabad, Pakistan.
- ***Journal of Applied Mathematical Analysis***
- ***International Journal of Modern Mathematics***, Alabama State University, USA.
- ***Mathematical and computational applications***, Turkey.
- ***Asian-African Journal of Mathematics and Mathematical Sciences***, South Africa.
- ***Turkish Journal of Physics***, Turkey.
- ***International Journal for Numerical Methods in Fluids***, UK.
- ***Journal of Applied Fluid Mechanics***, Italy.
- ***International Journal of Computational Methods***.
- ***World Applied Scientific Journal***.
- ***IJET***
- ***Applied & Computational Mathematics***
- ***IEEE 2018***

Supervised M. Phil /PhD Scholars

- Usman, M Phil, NCBAE, Feb 2019.
- Samra (M Phil), NCBAE, 12-12-2015.
- Iftikhar Ahmed (M. Phil), GC University, Lahore (2006).
- Ahmed (M Phil), Riphah International University, Islamabad, 2014.
- Faisal (M Phil), Riphah International University, Islamabad, 2014.
- Junaid (M Phil), Riphah International University, Islamabad, 2014.
- Khuram (M Phil), Riphah International University, Islamabad, 2014.
- Qurat-ul-Ain (M. Phil), NCBAE, 2016
- Samra M, (M. Phil), NCBAE, 2016

SEMINARS

- Teachers Professional Seminar (Training), IMS, 2026
- Fluid Mechanics, Staff Development Workshop, Department of Mathematics & Statistics, Caledonian College of Engineering, Oman 2016
- Fluid Mechanics, National College for Business & Economics, Gujrat, 1-11-2014
- Newtonian fluid mechanics, Riphah International University, Islamabad 17-05-14.
- Introduction to Newtonian & non-Newtonian Fluid Mechanics, IASBS, 45195, 15-09-2009.
- Newtonian & non-Newtonian Fluids; CAMP, NUST 11-03-2009.
- MHD flow and heat transfer for a third grade fluid in porous media, Alpha Building, International Islamic University, Kuala Lumpur, 14-03-2008.
- MHD flow and heat transfer for a third grade fluid in porous media, Regional Seminar on Mathematical Science in Engineering, **Kuala Lumpur**, 27-28 Nov 2007.
- ***On solutions of nonlinear equations arising in Newtonian & non-Newtonian fluids***, Recent Developments in Fluid Mechanics, Islamabad, Pakistan, 02-04 July, 2007.
- ***Few exact solutions of the Navier-Stokes equations***, 7th International Pure Mathematics Conference, Islamabad, 07 Aug 2006.
- ***On Stokes' problem for a non-Newtonian fluid due to a variable shear stress***, International conference on Mathematical Models and Methods, Pakistan Academy of Sciences, Islamabad, 19 July 2006.

- **On solutions of nonlinear equations arising in Rivlin-Ericksen fluids**, Department of Mathematics, **Quaid-i-Azam University**, Islamabad, 12 June 2006.
- **Viscoelastic fluid vs. Second-order fluid**, Department of Mathematics, **Quaid-i-Azam University**, Islamabad, 08 Mar 2005.
- **Fene-P Model**, **Department of Condensed Matter Physics**, ICTP, Italy, 12-11- 2003.
- **Viscoelastic Fluids**, **Department of Condensed Matter Physics**, ICTP, Trieste, Italy, 17 Dec 2003.
- **Unsteady flow of a third-grade fluid in the case of suction**, Department of Mathematics, **Quaid-i-Azam University**, Islamabad, 02 Apr 2002.
- **The flow of third-grade fluid on an oscillating plate**, Department of Mathematics, **Quaid-i-Azam University**, Islamabad.

CONFERENCES / TRAININGS/ WORKSHOPS

- Symposium on Oman Qualification Framework, OAAA, Oman, 23-24 May 2017
- International Mathematics Conference, COMSATS, Islamabad, Pakistan, 11-10-2012.
- Mathematics conference, NUST, Rawalpindi, 8-6-2011.
- Seminar on Mathematical Science in Engineering, **Kuala Lumpur**, 27-28 Nov 2007.
- International Youth Workshop on Science, Technology and Innovation: Towards a Prosperous and Secure Islamic World, **Kuala Lumpur**, 6-7 Aug 2007.
- Recent Developments in Fluid Mechanics, Quaid-i-Azam University, Islamabad, Pakistan, 02-04 July, 2007.
- Vehicle Dynamic Workshop, International Islamic University, **Kuala Lumpur**, 12th June 2007.
- 3rd-7th International Pure Mathematics Conferences, Pakistan Mathematical Society, Islamabad, Pakistan 2002-2006.
- International conference on Mathematical Models and Methods, **Pakistan Academy of Sciences**, Islamabad, 17-19 July 2006.
- 1st Meeting with Pakistani Students/Young Scholars, Islamabad, (27-31)-03-2006.
- International Seminar on Physics in Developing Countries: Past, Present and Future, Jul 27-28, 2005, **Holiday Inn**, Islamabad.
- International Conference on Mathematical Models and Methods in Fluid Mechanics, Jul 4-6, 2005, **Best Western**, Islamabad.
- International Nathiagali Conference on Computational Fluid Dynamics (CFD), Jun 7-9, 2004, PC, **Bhurban**, Murree.
- Workshop on Modeling in Life and Material Sciences in Technology, March 08-April 02, 2004, International Centre for Theoretical Physics (**ICTP**), Trieste, Italy.
- International Conference on Models and Methods in Fluid Mechanics, **COMSATS** Institute of Information Technology, June 23-27, 2003, Abbottabad.
- Mathematical Modeling and related issues, Oct. 29-Nov. 2, 2002, **COMSATS** Headquarters, G-5, Islamabad.
- Two days workshop on Mathematics, July 29-30, 2002, **Holiday Inn**, Islamabad.
- Drug Abuse Prevention Training Workshop For **NGO's Rawalpindi**, Oct. 20-21, 1993.
- NCC, Islamabad College for Boys, G-6/3, Islamabad, 1991

SPORTS

- **Champion** of **Table Tennis** Inter-Department Competition at Quaid-i-Azam University, Islamabad, 2004 and 2005.
- **Winner** of 1998 and **Runners-up** of 1999 and 2000 **Table Tennis** Inter-Department Competition at Quaid-i-Azam University, Islamabad.
- **Winner** of **Cricket** Tournament, Quaid-i-Azam University, Islamabad, 1996
- Federal Board **Table Tennis Champion** at School and College level for three years, 1990-1993.
- **College Color Holder**, Islamabad College for Boys, G-6/3, Islamabad, 1991

TECHNICAL QUALIFICATION

- **Systems:** Dos, Windows, Linux, Macintosh.
- **Internet Applications:** e-business, e-commerce, web designing.
- **Packages:** Scientific Workplace, Mathematica, LaTeX, Matlab, Maple
- **Office Automation:** Micro-Soft office.
- **Language:** FORTRAN 90/95.

Extra-Curricular Activities

- Participation, Quran competitions, Islamabad, 1985-1990
- Member, DHS (e-business, e-commerce), 2000 to 2008
- Member, International Association of Engineers 2014, 2023
- Member, Overseas Pakistan Foundation, 2016-17
- IAENG Society of Mechanical Engineering, 2017, 2023
- Senior Member: International Engineering & Technology Institute 2015
- Executive Member, SMC G-10/1, Islamabad 2022, 2023
- President, SMC, IMSB, Islamabad 2024
- Member: AMS, 2006
- Member: National Academy of Young Scientists 2013
- Member: Europe Mathematical Society
- Member, Pakistan Education Forum, Islamabad.
- Hobbies: Books

Affiliations

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- **F.M. Mahomed:** Director, School of Computational & Applied Mathematics, South Africa.
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Universities

1. UGMI, UK
2. FAST University Islamabad Pakistan
3. Glasgow Caledonian University, United Kingdom
4. Riphah International University, Islamabad, Pakistan
5. NCBA & E, Gujrat, Pakistan
6. International Centre for Theoretical Physics, Italy
7. Government College University, Lahore, Pakistan
8. International Islamic University Kuala Lumpur
9. TWAS, Italy
10. Caledonian College of Engineering, Oman