



# SUFIAN MUNAWAR

ASSISTANT PROFESSOR

## Personal Data

Nationality | Pakistani

Department | Quantitative Methods

Official IAU Email | [smunawar@iau.edu.sa](mailto:smunawar@iau.edu.sa)

## Language Proficiency

Language	Read	Write	Speak
Arabic	✓		
English	✓	✓	✓

## Academic Qualifications

Date	Academic Degree	Place of Issue	Address
2013	PhD	Quaid-i-Azam University Islamabad	Pakistan
2009	Masters	Quaid-i-Azam University Islamabad	Pakistan

## PhD, Master or Fellowship Research Title:

PhD	<i>Magnetohydrodynamic flows in pipe and boundary-layers with heat transfer</i>
Masters	<i>Steady flow and heat transfer of a Sisko fluid in annular pipe</i>

## Professional Record (Beginning with the most recent):

Job Rank	Place and Address of Work			Date
Assistant Professor	Department of Quantitative Methods	Imam Abdulrahman Bin Faisal University	Dammam Saudi Arabia	09/14-Present
Assistant Professor	Department of Informatics and System	University of Management and Technology	Lahore, Pakistan	11/13-08/14
Lecturer	Department of Informatics and System	University of Management and Technology	Lahore, Pakistan	02/12-11/13



Scientific Achievements: **Published Refereed Scientific Researches**

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	A. Mehmood, M. S. Iqbal, S. Khan, S. Munawar	Entropy analysis in moving wavy surface boundary layer	Thermal Science Vol.23 (1)
2	S. Ijaz, M. Mushtaq, N. Saleem, S. Munawar	Entropy generation minimisation in a moving porous pipe under magnetic field effect	International Journal of Exergy, Vol. 26 (4), pp. 418-434
3	S Munawar	Swirling flow in a permeable tube at slowly expanding and contracting wall	Mathematical Problems in Engineering Article ID 6904161, pp.8
4	S. Ijaz, N. Saleem, S Munawar	Slip effect on the magnetohydrodynamic channel flow in the presence of across mass transfer phenomenon	Journal of Applied Mechanics and Technical Physics, Vol. 58 (1), pp. 54-62.
5	M Nasir, A Ali, S Munawar	Effect of shear stress jump condition at porous/clear interface region on the MHD flow over a permeable cylinder	Journal of Porous Media Vol. 20 (7), pp. 665-670.
6	N Saleem, S Munawar	A mathematical analysis of MHD blood flow of Eyring-Powell fluid through a constricted artery	International Journal of Biomathematics, Vol. 9 (2) Article ID. 1650027 pp. 12
7	S. Munawar, N Saleem, K Aboura	Second-law analysis in the peristaltic flow of variable viscosity fluid	International Journal of Exergy, Vol 20 (2), pp. 170-185.
8	S. Munawar, N Saleem, A Mehmood	Entropy production in the flow over a swirling stretchable cylinder	Thermodynamics and Aeromechanics Vol. 23(3), pp. 435-444.
9	S Munawar, A Mehmood, N Saleem, A. Ali	Unsteady boundary-layer flow over jerked plate moving in free stream of viscoelastic fluid	Scientific World Journal Vol. 2014 Article ID 601950 pp. 7
10	S Munawar, A. Ali, N. Saleem, Abdul Naqeeb	Swirling flow over an oscillatory stretching disk	Journal of Mechanics Vol. 30 (4) (2014) pp. 339-347.
11	A. Mehmood, S Munawar, A. Ali	Cooling of a hot stretching surface in the presence of across mass transfer phenomenon in a channel flow	Zeitschrift Fur Naturforschung Section A-A Journal of Physical Sciences Vol. 69a, pp. 34-42
12	S Munawar, A. Mehmood, A. Ali	Time-dependent stagnation-point flow over rotating disk impinging the oncoming flow	Applied Mathematics and Mechanics-English Edition Vol. 34 (1) pp. 85-96
13	A. S. Butt, S. Munawar, A. Ali	Slip effects on entropy generation in MHD flow over a stretching surface in the presence of thermal radiation.	International Journal of Exergy, Vol. 13(1) pp. 1-20
14	Muhammad Nasir, S. Munawar, A. Ali	Time-Dependent Flow in a Composite Channel with Heat Transfer.	Journal of Porous Media Vol. 16 (8) pp. 749-756
15	S. Munawar, A. Mehmood, A. Ali	Unsteady flow of viscous fluid over the vacillate stretching cylinder.	International Journal for Numerical Methods in Fluids, Vol. 70(6) pp. 671-681
16	A.S. Butt, S. Munawar, A. Mehmood, A. Ali	Entropy generation in the Blasius flow in the presence of thermal radiation.	Physica Scripta Vol. 85 Article ID 035008 (6 pages)
17	S. Munawar, A. Mehmood, A. Ali	Three-dimensional squeezing flow in a rotating channel of lower stretching porous wall.	Computers & Mathematics with Applications Vol. 64 pp. 1575-1586



18	A. S. Butt, S. Munawar, A. Mehmood, A. Ali	Effect of viscoelasticity on entropy generation in a porous medium over a stretching plate.	World Applied Sciences Journal Vol. 17(4) pp. 516-523.
19	Adnan S. Butt, S. Munawar, A. Ali, A. Mehmood	Entropy analysis of mixed convective magnetohydrodynamic flow of viscoelastic fluid over a stretching sheet.	Zeitschrift Fur Naturforschung Section A-A Journal of Physical Sciences Vol. 67a, pp. 451-459.
20	A. S. Butt, S. Munawar, A. Mehmood, A. Ali	Entropy generation in hydrodynamic slip flow over vertical plate with convective boundary.	Journal of Mechanical Science and Technology Vol. 26(9) pp.2977-2984.
21	S. Munawar, A. Mehmood, A. Ali	Time-dependent flow and heat transfer over a stretching cylinder.	Chinese Journal of Physics Vol. 50 (5) pp. 828-848.
22	S. Munawar, A. Mehmood, A. Ali	Thermal analysis of the flow over an oscillatory stretching cylinder.	Physica Scripta Vol. 86 (6) Article ID 065401 pp. 11
23	M. Nasir, S. Munawar, A. Mehmood, A. Ali	Unsteady flow and heat transfer in a composite porous annulus with time-dependent injection.	Zeitschrift Fur Naturforschung Section A-A Journal Of Physical Sciences Vol. 67a pp. 657-664.
24	S. Munawar, A. Mehmood, A. Ali	Comment on "Analysing flow and heat transfer of a viscoelastic fluid over a semi-infinite horizontal moving flat plate, IJNLM, 43 (2008) 772"	International Journal of Non-linear Mechanics, Vol. 46 (9) pp. 1280-1282.
25	S. Munawar, A. Mehmood, A. Ali	Effects of slip on flow between two stretchable disks using optimal homotopy analysis method.	Canadian Journal of Applied Sciences, Vol. 1 (2) pp. 50-68
26	S. Munawar, A. Mehmood, A. Ali	Unsteady local non-similar boundary-layer flow over a long slim cylinder.	International Journal of Physical Sciences, Vol. 6(34) pp. 7709-7716.
27	S. Munawar, Masood Khan, Saeed Abbasbandy	Steady flow and heat transfer of a Sisko fluid in annular pipe.	International Journal of Heat and Mass Transfer, Vol. 53 pp. 1290-97.
28	S. Munawar, A. Mehmood, A. Ali	Comments to: "Homotopy analysis method for solving the MHD flow over a non-linear stretching sheet (Commun. Nonlinear Sci. Numer. Simul. 14 (2009) 2653-2663)".	Communications in Nonlinear Science and Numerical Simulation, Vol. 15 pp. 4233-4240.
29	S. Munawar, N. Saleem	Thermal analysis of an Eyring-Powell fluid flow through a constricted channel	Thermal Science (Accepted)
30	Ahmer Mehmood, Sajid Khan, MS Iqbal, Sufian Munawar	Impact of surface texture on entropy generation in nanofluid	Thermal Science (Accepted)
31	S. Munawar, N. Saleem	Entropy analysis in cilia driven pumping flow of hyperbolic tangent fluid with magnetic field effects	Fluid Dynamics Research (Accepted)



### Scientific Achievements: Completed Research Projects

#	Name of Investigator(s)	Research Title	Report Date
1	Sufian Munawar, Najma Saleem, Khalid Aboura	Entropy analysis of peristaltic flows with different waveforms in symmetric and asymmetric channels. <b>Funding Body:</b> Deanship of Scientific Research, University of Dammam, Saudi Arabia	2016
2	Sufian Munawar, Najma Saleem	Entropy generation minimization analysis of the flow inside constricted channels <b>Funding Body:</b> Deanship of Research and Graduate Studies, Prince Mohammad Bin Fahd University Al-Khobar, Saudi Arabia	2017
3	Sufian Munawar, Najma Saleem, Ahmer Mehmood	Heat transfer enhancement in non-similar flows <b>Funding Body:</b> Deanship of Scientific Research, Imam Abdulrahman Bin Faisal University, Dammam, Saudi Arabia	2017

### Honors and Awards DELETE THIS TABLE IF NOT APPLICABLE

Date	Honors and awards
2013	<b>Research Productivity Award 2013-14, by Pakistan Council for Science &amp; Technology (PCST) Islamabad Pakistan</b>
2013	<b>Productive Scientists of Pakistan of the year 2013, by Pakistan Council for Science and Technology (PCST) Islamabad Pakistan</b>

### Teaching Activities

#	Course/Rotation Title	No./Code
1	Principles of Business Mathematics	Math 207
2	Statistics for Business	Math 302
3	Quantitative Methods in Business	Math 308

### Committee Membership

#	From	To	Position	Organization
1	2016	Present	Member	Equivalence Committee
2	2018	Present	Member	Academic Advisory Committee
3	2018	Present	Member	Mathematics Course Representator from the college in Academic Track Development Committee
4	2019	Present	Coordinator	Quantitative Methods Department



## Membership of Scientific and Professional Societies and Organizations

### Reviewer of International Journals

- *Abstract and Applied Analysis, Hindawi Publisher, USA*
- *African Journal of Mathematics and Computer Science Research*
- *Applied Bionics and Biomechanics, IOS press, Netherlands*
- *Applied Mathematics and Computation, Elsevier, USA*
- *Applied Mathematics and Mechanics, Springer, China*
- *Alexandria Engineering Journal, Elsevier, Egypt*
- *Ain Shams Engineering Journal, Elsevier, Egypt*
- *British J. of Applied Science & Technology, Science Domain International, UK*
- *Chemical Engineering Communications, Taylor & Francis Inc. USA*
- *Computational Thermal Sciences, Begell House, Inc. USA*
- *Journal of Molecular Liquids, Elsevier, England*
- *Computer Methods in Biomechanics & Biomedical Engineering, Taylor & Francis UK*
- *Entropy, MDPI Publishing, Switzerland*
- *Heat and Mass Transfer, Springer, Germany*
- *International Journal of Computer Mathematics, Taylor & Francis, England*
- *International Journal of Engineering Mathematics, Hindawi Publisher*
- *International Journal of Thermal Sciences, Elsevier, France*
- *Journal of Porous Media, Begell House, Inc. UK*
- *Propulsion and Power Research, Elsevier, England*
- *Physica Scripta, IOP Publishing, Sweden*
- *Physical Review & Research International, Science Domain International, UK*
- *Turkish J. of Physics, The Scientific & Technological Research Council of Turkey*
- *World Applied Science Journal, UAE*

**Last Update: 01/02/2020**