## Prof. Dr. Sohail Nadeem

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www.mendeley.com/profiles/sohail-nadeem/?dgcid=Mendeley\_Desktop\_Profile

Publons:

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## Education

### Post-Doc 2011

*Mathematics*

Yonsei University South Korea 2011.

### PhD 2001-2004

*Mathematics*

Department of Mathematics Quaid-i-Azam University, Islamabad.

### MPhil 1998-2000

*Mathematics*

Department of Mathematics Quaid-i-Azam University, Islamabad.

### MSc 1996-1998

*Mathematics*

Department of Mathematics Quaid-i-Azam University, Islamabad.

## Awards and Honors

1. Obada Prize as Distinguished Scientist by NSP for the year 2022.
2. Elected, Fellow Pakistan Academy of sciences in 2019.
3. Adjunct Professor at Ton Duc Thang University Vietnam from October 2019-2020.
4. Awarded **Best university teacher award** for the year 2015 in 2016 by Higher education commission of Pakistan.
5. Awarded PAS gold medal in Mathematics for the year 2016 by Pakistan academy of sciences.
6. Third Top Mathematician of Pakistan for the year 2017, according to PCST award list.
7. Productive scientist Award for A Category by PCST for the year 2015 and is on 4th position in Pakistan among all the scientists.
8. According to PCST ranking declared top third Mathematician of Pakistan for the year 2014, and top Eleven Scientist of (all categories) Pakistan.
9. Awarded the letter of outstanding author of Applied mathematics and Mechanics (English Edition) for the year 2014.
10. Ambassador of ICM 2014 which will be held in Korea in this summer.
11. Productive scientist Awards by PCST for the years 2012-2013 A category.
12. Recipient of Best young researcher scholar award for the year 2011 awarded by HEC in 2013.
13. Productive scientist Award for A Category by PCST for the year 2012.
14. Recipient of Salam prize for Mathematics for the year 2012 by Third World Academy of Sciences ICTP, Italy.
15. Selected Member Pakistan Academy of Sciences from 2012 by Pakistan Academy of Sciences.
16. Received two appreciation letters from Communications in Nonlinear Science and Numerical Simulation for top cited articles of 2007-2011.
17. Productive scientist Award for A Category by PCST for the year 2011.
18. Awarded Tamgha-i-Imtiaz by government Pakistan for the year 2012.
19. Successfully completed a research project of more than one million awarded by HEC for the years 2010-2012.
20. Young fellow TWAS by third world Academy of Sciences, Italy, for the years 2011-2016.
21. Visiting Fellow at Yonsei University Seoul Korea for summer 2011.
22. Awarded Research project of more than one Million by higher education commission of Pakistan for the years 2010-2012, which is completed.
23. Successfully supervised 20 Ph.D. Students and more than 70 M. Phil students.
24. Reviewer of more than 100 international journals with high impact factor.
25. Awarded Razi-ud-Din Gold medal by Pakistan Academy of Sciences for the year 2008.
26. Recipient of productivity allowance from Pakistan council for science and technology every year from 2006 to 2010.
27. Razi-ud-Din Scholarship during Ph.D.
28. 3rd Position in MPhil in Mathematics.
29. University merit Fellowship during M.Phil.

## Academic Appointments

* Chairman Department of Mathematics, Quaid-i-Azam University Islamabad, Jan.2019 to 2022.
* Professor at Quaid-i-Azam University Islamabad from August. 2015 to date.
* Associate Professor at Quaid-i-Azam University Islamabad from Feb. 2011 to 25 August 2015.
* Assistant Professor at Quaid-i-Azam University Islamabad from December 2005 to Feb. 2011.
* Assistant Professor at COMSATS Institute of Information Technology Abbottabad from April 2003 to Feb. 2005.
* Lecturer at COMSATS Institute of Information Technology Abbottabad from May 2002 to April 2003.
* Two years research experience as junior research assistant at Mathematics department Quaid-i-Azam University from 1998 to 2000.
* Senior research assistant department of Mathematics, Quaid-i-Azam University Islamabad from 2000 to 2004.

## Administrative Experience

1. Chairman Department of Mathematics, Quaid-i-Azam University, Islamabad Jan.2019-to Jan 2022.
2. Chairman Auction Committee Quaid-i-Azam University Islamabad 2015 to date
3. Member of Various committees of Quaid-i-Azam university and other universities in Pakistan.
4. Member HEC MPhil/Ph.D. review Committee.
5. Worked as Resident Officer Quaid-i-Azam University 2017.
6. In charge VFH Houses Quaid-i-Azam University Islamabad 2015-2019.
7. In charge Departmental Computer Lab.
8. Member DTC, Statistics Department Quaid-i-Azam University Islamabad.
9. Member DTRC, Gujrat University.
10. Member DTRC, Government college University Faisalabad.
11. Member DTRC, Abbottabad University.
12. Member DTRC, Benazir Bhutto Women university Peshawar.
13. Running research Lab where Dr. Sohail Nadeem Has successfully supervised More than 100 Research scholars including 30 Ph.D.’s and more than 100 M. Phil Graduates.

## Completed PhD Theses

1. Anwar Husain (2010) Stagnation flows of non-Newtonian fluids towards a shrinking sheet.
2. Safia Akram (2011) Peristaltic flows of non-Newtonian fluids in an asymmetric channel.
3. Noreen Sher Akbar (2012) Peristaltic flows in cylindrical geometries.
4. Sadaf Ashiq (2013) Peristaltic Flows of non-Newtonian fluids in a diverging tube.
5. Majid Hussain (2013) Heat transfer analysis in two-dimensional flows.
6. Abdul Rehman (2014) Stagnation flows of Newtonian and non-Newtonian fluids.
7. Ehnber Naheed (2014) Mathematical study of Peristaltic flows of non-Newtonian fluids in tubes with different geometrical shapes.
8. Arshad Riaz (2014) Study of Peristaltic Flows of non-Newtonian Fluids.
9. Shafiq-Ur-Rehman (2014) Blood flow of non-Newtonian fluids
10. Salman Saleem (2015) Time dependent flow problems induced by a rotating cone.
11. Rizwan-Ul-Haq, (2015) Development and analysis of stretched flows with nanoparticles.
12. Rashid Mahmood, (2015) non-Orthogonal stagnation point flows with rheological characteristics.
13. Syed Tayyab Husain Shah, (2015) Analysis of steady flows over a continuous moving surface.
14. Hina Sadaf (2016) Theoretical Investigation of Peristaltic and Ciliary Transport.
15. Shagufta Ijaz (2016) Theoretical Analysis of Blood Flow through Arteries.
16. Aziz Ur Rehman (2017) Speculative Study of Rotating Nanofluids Over a Stretching Surface.
17. Aqeela Shaheen (2017) Peristaltic flows of non-Newtonian fluids.
18. Muhammad Ashfaq (2018) Biomathematical study of some linear and nonlinear blood flow problems.
19. Iqra Shahzadi (2018) Peristaltic transport of nanofluids in tubes and channels.
20. Arif Ullah Khan, (2019) Investigation of Unsteady Stagnation point flow of nanofluids.
21. Tanzila Hayat (2019) Heat transfer analysis for the flows of nanofluids over a stretching surface.
22. Noor Muhammad (2020) Mathematical analysis of Ferro-magnetic fluids.
23. Nuzhat Irshad (2020) Mathematical Observations of Peristaltic flows of nanofluids in an endoscope.
24. Zahid Ahmed (2020) Numerical study of stretching/shrinking problems.
25. Maryam Subhani (2020) Boundary layer flow of micropolar fluid by an exponentially stretching surface.
26. Madiha Rashid (2021) Flow in a Corrugated Walls with EMHD
27. Nadeem Abbas (2021) Theoretical analysis of hybrid nanofluid flow at various stretching surfaces
28. Shafiq Ahmad (2021) CNTs based nanofluids over a stretchable surface
29. Naveed Ahmad Khan (2021) Mathematical Analysis of non–Newtonian Fluid Flows Over a Stretchable Surface
30. Rizwana (2021) Oblique Stagnation point flows
31. Naeem Ullah (2022) Flows of Nanofluids inside Cavities: Finite element method

## Current PhD Theses

1. Shahbaz Ali (work in progress).
2. Bushra Ishtiaq (work in progress).
3. Inayat Ullah (work in progress).
4. Tousif Iqra (work in progress).
5. Salman Akhtar (work in progress).

## Completed MPhil Theses

1. Itrat Rubab (2007) Three-dimensional flow of a non-Newtonian fluid with Heat Transfer.
2. Tauseef Aslam (2007) Slip Flow on a stretching surface in a rotating Frame.
3. Muhammad Awais (2007) Analytic solution for thin film flow of a fourth-grade fluid.
4. Muhammad Ali (2007) Flow of a third-Grade fluid with variable viscosity.
5. Muhammad Naseer (2007) Unsteady flows of non-Newtonian fluid with Heat transfer.
6. Mahvish Naz (2008) Boundary Layer Flow Due to Stretching Sheet.
7. Noreen Sher Akbar (2008) The effects of variable fluid properties in a uniform tube with peristalsis.
8. Sajida Bano (2008) An oscillatory hydromagnetic third grade fluid in a rotating system.
9. Saeed Ahmad Rajput (2008) Flow and heat transfer due to an exponential stretching sheet.
10. Ansa Rafique (2008) Influence of heat transfer on thin film flow of a third-grade fluid with variable viscosity.
11. Iffat Zehra (2008) Effects of Heat transfer on MHD flow of an Oldroyd-B fluid between eccentric rotating disks with variable viscosity.
12. Majid Hussain (2009) Stagnation point flow of a Micropolar fluid towards a stretching sheet: an analytic solution.
13. Tabinda Naz (2009) Closed form solution to a second order boundary value problem and its applications in peristalsis.
14. Naheeda Bibi (2009) Influence of heat transfer on peristaltic flow of a non-Newtonian fluid in a vertical annulus.
15. Ziafat Mehmood (2009) Stagnation flow towards a shrinking sheet.
16. Naeem Faraz (2009) Flow of a non-Newtonian fluid film on a stretching surface.
17. Shela Zaheer (2010) Boundary layer flow of a non-Newtonian fluid over an exponentially stretching surface.
18. Bushra Tahir (2010) Stagnation point flow of a non-Newtonian fluid.
19. Haleema Sadia (2010) Flow of a non-Newtonian fluid with Reynolds and Vogel’s models of viscosity.
20. Aziz-ur-Rehman (2010) Study of stokes first and second problem.
21. Sajjad Shaukat (2010) Solution of differential equation by variational method.
22. Abdul Rehman (2010) Annular axisymmetric stagnation flow of a non-Newtonian fluid on moving cylinder.
23. Salman Saleem (2010) Mixed convection flow of a non-Newtonian fluid on a rotating cone.
24. Asif Shahzad (2010) The Falkner Skan flow with variable viscosity.
25. Uzma Batool (2011) Peristaltic flow in a rectangular duct.
26. Rizwan Ul Haq (2011) MHD flow due to shrinking sheet: An analytical solution.
27. Farhan Ahmad (2011) Mixed convection flow near the stagnation point on a vertical surface.
28. Sadaf Moin (2011) Peristaltic flow of six constant Jeffrey fluid in an asymmetric channel.
29. Syed Tayyab Hussain Shah (2012) Flow of two-dimensional Williamson fluid.
30. Farhan Yousaf (2012) Stagnation flow in a circular cylinder.
31. Syed Waqar Hussain Shah (2012) The study of non-Newtonian fluid in a slowly deforming channel.
32. Sehrish Abbas (2012) Peristaltic flow of non-Newtonian fluid through porous boundaries.
33. Sidra-tul-Muntha (2012) The study of peristaltic flow in a rectangular duct.
34. Aqeela Shaheen (2012) Peristaltic flow of non-Newtonian fluid with variable viscosity.
35. Shagufta Ijaz (2012) Blood flow in tapered arteries.
36. Hina Sadaf (2012) Peristaltic flow in vertical annulus.
37. Taimoor Salahudin (2012) Study of Peristaltic flows of non-Newtonian Fluids.
38. Samina Tasleem (2013) Mathematical study of arterial blood flow.
39. Nuzhat Irshad (2013) Theoretical study of peristaltic flow in an annulus.
40. Wajeeha Sundas (2013) Steady flow of natural convection due to stretching cylinder.
41. Fauzia Bibi (2013) Unsteady flow over a rotating stretchable Disk
42. Bushra Sarfraz (2013) Boundary Layer flow of mixed convection heat transfer over a stretching wedge.
43. Shazia Parveen (2013) Blood flow through a tapered overlapping stenosed artery.
44. Misbah Ijaz (2013) Flows of couple stress fluid.
45. Aashibah Ghazal (2014) Blood flow of non-Newtonian fluid through catheterized arteries.
46. Syeda Anum Fatima (2014) Electroosmotic flow of non-Newtonian fluid.
47. Amna Munim (2014) Flow of non-Newtonian fluid due to ciliary motion.
48. Iqra Shahzadi (2014) Mathematical Analysis for peristaltic flow in a curved channel
49. Fiaz Ur Rehman (2014) Theoretical study of exponentially stretching problem.
50. Tanzila Hayat, (2014) Stagnation flow and heat transfer towards a convectively heated stretching surface.
51. Sadia Akbar (2014) Study of nano liquid film over a stretching surface.
52. Sadaf Masood (2015) Study of rotating nanofluid.
53. Samia Maqbool (2015) Mathematical study of cilia.
54. Arif Ullah Khan (2015) Analysis of unsteady stagnation point flow.
55. Zahid Ahmed (2015) Study of Ag-water and Cu-water nanofluids.
56. Sumaira Mehboob (2015) Heat transfer Analysis of Williamson Fluid.
57. Noor Muhammad (2015) Boundary Layer Flow over a vertical plate with new Roseland thermal radiation.
58. Maryam Subhani (2015) Unsteady Flow and heat transfer over an exponentially stretching surface.
59. Komal Ansar (2015) Effects of induced magnetic field for peristaltic flow of Williamson fluid in a curved channel.
60. Aroosa Naseer (2016) Non-Newtonian Fluid through Channel with Corrugated Walls.
61. Madihal Rashid (2016) Thermo-Solutal Nanofluid Flow by Exponential Streching Sheet with Thermal Radiation.
62. Iram Rashid (2016) Study of Blood Flow through Tapered Elastic Artery.
63. Uzma Bano (2016) Effects of induced Magnetic Field on the Boundary Layer Flow Due to a Moving Wedge.
64. Iram Naz (2016) Series Solution for Three-Dimensional Stagnation Point Flow.
65. Fouzia Rehman (2016) Analysis of Three Dimensional Hydromagnetic Flow with Heat Transfer.
66. Naseem Ullah Khan (2017) Stagnation Region of an Impulsively Rotating Sphere.
67. Arsalan Hayyat (2017) Flow over an Exponentially Stretching Surface with Cattaneo-Christove Heat Flux.
68. Shafiq Ahmad (2017) Computational Study of Falkner-Scan Problem For a Static and Moving Wedge.
69. Nadeem Abbas (2017) Theoretical Study of Steady Three-Dimensional Stagnation Point Flow of Micropolar Nanofluid Past a Cylinder.
70. Sanam Iftar (2017) Trapping Study of Nanofluids with Cilia.
71. Sadia Waheed (2017) Streamline Topologies of two-dimensional peristaltic flow with nanofluid and mixed convection.
72. Iram Raishad (2017) MHD flow of SWCNTs- Nanofluid under slip conditions.
73. Maryam Hussain (2017) Study of MHD Jeffrey Fluid Flow over a stretching surface.
74. Naeem Ullah (2017) MHD study three-dimensional stagnation point flow of a nanofluid past a circular cylinder.
75. Naveed Ahsan (2018) Streamlines topologies of peristaltic flow of non-Newtonian fluid and their bifurcations.
76. Muhammad Naveed Khan (2018) Theoretical investigations of unsteady forced convection slip flow of exponentially stretching sheet.
77. Usama (2018) Boundary Layer flow of nanofluid over a curved stretching surface.
78. Khadija Ali Shah (2018) Influence of heat transfer on peristaltic flow of Bingham fluid.
79. Muzammil Ayub (2018) Blood flow through curved artery with Stenosis.
80. Sana Suleman (2018) Flow of Nano fluid through bifurcated artery.
81. Muhammad Riaz Khan (2019) Oblique Stagnation Point Flow of Viscous nanofluid over a stretching surface.
82. Saba Safdar Keyani (2019) Study of Ciliary flow in a curved channel
83. Naseer Muhammad Khan Numerical Solutions of Maxwell Fluid with double slip
84. Ayesha Saddiqa (2019) Peristaltic flow of Compressible Fluid.
85. Wajiha sabih (2019) Fluid flow past a deformable cone.
86. Muhammad Israr-Ur-Rahman (2020) Analysis of an isotropic slip-on three-dimensional flow of nano fluids.
87. Mishal Nayab kiani (2020) Theoretical investigation of microvascular non-Newtonian blood flow.
88. Aleesha Qaiser (2020) Cilia induced compressible flow in a microfluidic channel.
89. Asma Amin (2020) Influence of Partial Slip on the stagnation point flow of micropolar nano fluid.
90. Farrah Sajid (2020) Effects of SWCNT and MWCNT on the flow of micropolar hybrid nano fluid over a curved stretching surface with induced magnetic field.
91. Inayat Ullah (2020) Theoretical investigation of rotational stagnation point flow of nanofluid over a stretching/shrinking disk.
92. Bushra Ishtiaq (2021) Numerical solution for three-dimensional axisymmetric stagnation point flow of second grade nanofluid towards a Riga plate.
93. Umme-E-Haleema (2021) Computations for boundary layer flow of Casson nano fluid over a vertical needle.
94. Maryam Tamreen (2021) MHD 3D non-Newtonian nanofluid flow through slandering stretching sheet: Numerical simulation.
95. Maryam Nawaz Malik (2021) Study of Micropolar non-Newtonian nanofluid over a stretching surface with partial slip.
96. Amna Yasin (2021) Numerical Study for MHD mixed convective flow inside an enclosure.
97. Ambreen Sial (2021) Numerical Analysis of generalized Fouriers and Fick’s Lawas for Micropolar Casson fluid flow over a vertical variable stretching riga sheet.
98. Shahbaz Ali (2022) Numerical analysis for the effects of heat transfer in modified square duct with heated obstacle inside it.
99. Usman Nasrullah (2022) Effects of Reynold number and Grashof numbers on Mixed Convection in a rectangular cavity with heated obstacles.
100. Rehan Akber (2022) Numerical study on mixed convection in cavities with different boundary conditions.
101. Hiba Waqar (2022) Peristaltic flow of nanofluid in a sinusoidal rectangular duct.
102. Sabahat Qadeer (2022)
103. Sumera (2022) Numerical computations for MHD two-dimensional flow in buoyancy driven cavity.
104. Aqsa Rehman (2022) Heat and mass transfer insight for mixed convection flow in a cavity.
105. Ayesha Siddiqua (2022) Flow of SWCNT and MWCNT based hybrid nanofluid in a semicircular enclosure: Finite element method.
106. Bisma Akram (2022) Modeling and simulations for MHD mixed convection in chamfered enclosures.
107. Aysha Bibi (2022)
108. Warda Waheed (2022)

## Conferences Attended

1. 25th International Nathiagali Summer College 2000 at Muree Bhurban Pakistan.
2. International Conference on “Application of Group Theoretic Methods” at Math. Department of Quaid-I-Azam University Islamabad Pakistan.
3. 26th International Nathiagali Summer College 2001 at Muree Bhurban Pakistan.
4. Introductory workshop on mathematical modeling and its application to development issues. Arranged by GCISC from 29th Oct. to 2 Nov. at Islamabad Pakistan.
5. International conference on “Models and Methods in Fluid Mechanics”. Arranged by Mathematics Department COMSTAS on 23rd June, to 27th June 2003 held at COMSATS Abbottabad Pakistan.
6. 2nd International conference on “Models and Methods in Fluid Mechanics”. Arranged by Mathematics Department COMSTAS Islamabad 2005.
7. 3rd International conference on “Models and Methods in Fluid Mechanics”. Arranged by Mathematics Department COMSTAS Islamabad 2006.
8. First international conference on “Recent Developments in Fluids” arranged by Fluid Mechanics Group department of Mathematics Quaid-i-Azam University Islamabad, Pakistan.
9. 4th International conference on “Models and Methods in Fluid Mechanics”. Arranged by Mathematics Department COMSTAS Islamabad 2007.
10. Second international conference on “Recent Developments in Fluids” arranged by Fluid Mechanics Group department of Mathematics Quaid-i-Azam University Islamabad, Pakistan.
11. 4th International conference on “Models and Methods in Fluid Mechanics”. Arranged by Mathematics Department COMSTAS Islamabad 2007.Second international conference on “Recent Developments in Fluids” arranged by Fluid Mechanics Group department of Mathematics Quaid-i-Azam University Islamabad, Pakistan.
12. Third international conference on “Recent Developments in Fluids” arranged by Fluid Mechanics Group department of Mathematics Quaid-i-Azam University Islamabad, Pakistan
13. Peristaltic flows in a rectangular duct” presented in Computational sciences and engineering department Yonsei University Seoul, South Korea.
14. ICM 2014 Held in South Korea August 2014.
15. Two days international workshop on Recent Advances in computational fluid dynamics May 28-29, 2015, at COMSATS Islamabad, Pakistan.
16. CASM conference on Qualitative and Quantitative Techniques for Differential Equations and Applications, Arranged by LUMS Lahore June 4-6, 2015.

## Seminars Delivered

1. On MHD flow of a third-grade fluid on an oscillating porous plate on 12th December 2001 at Mathematics department Quaid-i-Azam University Islamabad Pakistan
2. An oscillating Hydromagnetic non-Newtonian flow in a rotating system on 5th March 2002 at Mathematics department Quaid-i-Azam University Islamabad Pakistan
3. Analytic Solutions of Stokes second problem in Second grade fluid on 11th March 2002 at Mathematics department Quaid-i-Azam University Islamabad Pakistan
4. Existence of Solution in case of Resonance and Blowing in “International Conference on Models and Methods in Fluid Mechanics” on 23rd June, to 27th June 2003 held at COMSATS Abbottabad Pakistan.
5. Exact solutions of rotating hydromagnetic flows of second grade fluids on 29th October 2003 at mathematics department COMSATS Institute of Information Technology Abbottabad Pakistan.
6. Solutions of Non-linear equations arising non-Newtonian Fluid Mechanics using Homotopy analysis Method on June 2004 at mathematics department COMSATS Institute of Information Technology Abbottabad Pakistan.
7. Unsteady flow of a second-grade fluid over a stretching sheet with partial slip in “International Conference on Models and Methods in Fluid Mechanics” on 4th July, to 6th July 2005 arranged by COMSATS institute of Information Technology Islamabad, Pakistan.
8. Generalized non-Newtonian fluids “International Conference on Models and Methods in Fluid Mechanics” July 2006 arranged by COMSATS institute of Information Technology Islamabad, Pakistan.
9. Adomian decomposition method and its applications in peristalsis “Second international conference on “Recent Developments in Fluids” arranged by Fluid Mechanics Group department of Mathematics Quaid-i-Azam University Islamabad, Pakistan.
10. Peristaltic flows in rectangular duct “presented in Department of Computational sciences and engineering” Yonsei University Seoul South Korea in summer 2011.
11. Convective heat transfer and MHD flow in the presence of Carbon nanotubes over a stretching surface, ICM 2014, South Korea.
12. Applications of nano fluids in fluid mechanics, presented in Two days international workshop on Recent Advances in computational fluid dynamics May 28-29, 2015, at COMSATS Islamabad, Pakistan.
13. Optimal HAM solutions of differential equations in fluid mechanics, CASM conference on Qualitative and Quantitative Techniques for Differential Equations and Applications, Arranged by LUMS Lahore June 4-6, 2015.

## Member editorial boards

* Editor in Chief Journal of Pure and Applied Mathematics
* Scientific Reports
* Alexandria Engineering Journal
* Physica Scripta
* Journal of nano fluids (American Scientific Publishers)
* Universal Journal of Applied Mathematics (Horizon Research)
* Probe Mathematics and Mathematical Sciences (Universe Scientific Publishing)
* Physics & Astronomy International Journal

## Research Projects

1. Influence of heat transfer on the peristaltic motion of non-Newtonian fluids with different flow geometries. One research project completed 2011 (donor Agency HEC more than 1 million)
2. Study of peristaltic flow problem with different nano models 2017-2019(amount is more than 2 million completed)

## Reviewer of International Journals (More than 150 Journals)

1. Journal of Porous media
2. Physics Letter A
3. International Journal for numerical methods in fluids.
4. Communications in non-linear science and numerical simulations
5. International Journal of Heat and mass transfer.
6. Numerical methods for partial differential equations.
7. Zeitschrift fuer Naturforschung A
8. Taiwan Journal of Chemical Engineering.
9. Mathematical and Computer Modeling.
10. Journal of Advance research in scientific computing.
11. Journal Mathematical problem in engineering
12. Journal Quertly of Applied Mathematics
13. Journal Asian pacific journal of chemical engineering
14. Chemical engineering communications.
15. Computers and mathematics with applications.
16. Journal of Viberation and Control
17. Journal of Aero Space Engineering
18. Nonlinear Science Real world applications
19. Acta Mechanica Sinica
20. Meccanica
21. Applied Mathematics and Mechanics
22. Mathematical Methods in Applied Sciences
23. Reviewer of Research grants council of Hong Kong
24. American Mathematical reviews
25. Journal of Biomechanics
26. Applied Mathematics Letters
27. International journal of Biomathematics
28. TamKang journal of science and engineering
29. International journal of Computer Mathematics
30. Chinese physics letter
31. AJSE-Mathematics Journal
32. International journal for Nonlinear science real world Applications
33. Mathematical Biosciences.
34. Brazilian Journal of Chemical Engineering
35. Journal of Applied Mathematics
36. Ain Shams Engineering Journal
37. International journal of Physical Sciences
38. Engineering Analysis with Boundary Elements
39. Experimental Thermal and Fluid Science

## Courses at university

**Undergraduates**

* Calculus
* Linear Algebra
* Applied Engineering Mathematics
* Ordinary Differential equations

**MSc**

* Fluid Mechanics-I
* Fluid Mechanics-II
* Partial Differential Equations
* Integral Equations

**MPhil/PhD**

* Basic Theory of Fluids
* Advanced Partial Differential Equations
* Mathematical Techniques for Boundary Value Problems
* Advanced Mathematical Methods

## Research Interest Areas

* Mathematical modeling, computational fluid dynamics, blood flow, analytical solutions, stretching problems.

## Publications

[1] J. Zhang, F. Wang, **S. Nadeem**, and M. Sun, "Simulation of linear and nonlinear advection-diffusion problems by the direct radial basis function collocation method," *International Communications in Heat and Mass Transfer,* vol. 130, pp. 105775-105775, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:rOcdG6UcVlcC>.

[2] A. Yasin, N. Ullah, S. Nadeem, and H. Ghazwani, "Numerical simulation for mixed convection in a parallelogram enclosure: Magnetohydrodynamic (MHD) and moving wall-undulation effects," *International Communications in Heat and Mass Transfer,* vol. 135, pp. 106066-106066, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:I858iXPj1OkC>.

[3] M. Shahzad, A. Awan, S. Akhtar, and S. Nadeem, "Entropy and stability analysis on blood flow with nanoparticles through a stenosed artery having permeable walls," *Science Progress,* vol. 105, no. 2, pp. 2147483647-2147483647, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:kUhpeDhEZMUC>.

[4] M. Shahzad, N. Ahammad, S. Nadeem, S. Allahyani, E. Tag-ElDin, and ... *Sensitivity analysis for Rabinowitsch fluid flow based on permeable artery constricted with multiple stenosis of various shapes* (Biomass Conversion and Biorefinery). 2022, pp. 1-11.

[5] A. Riaz, S. Almutairi, S. Alhazmi, A. Saleem, S. Nadeem, and A. Abdelrahman, "Insight into the cilia motion of electrically conducting Cu-blood nanofluid through a uniform curved channel when entropy generation is significant," *Alexandria Engineering Journal,* vol. 61, no. 12, pp. 10613-10630, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:VRfTbSk87rEC>.

[6] S. Nadeem *et al.*, "Mathematical Assessment of Convection and Diffusion Analysis for A Non-Circular Duct Flow with Viscous Dissipation: Application of Physiology," *Symmetry,* vol. 14, no. 8, pp. 1536-1536, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:KI9T_ytC6pkC>.

[7] S. Nadeem, M. Tumreen, B. Ishtiaq, N. Abbas, and W. Shatanawi, "Second-grade nanofluid flow above a vertical slandering Riga surface with double diffusion model," *International Journal of Modern Physics B,* vol. 2250237, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:vVJNg6_NJEsC>.

[8] S. Nadeem, S. Qadeer, S. Akhtar, S. Almutairi, and F. Wang, "Mathematical model of convective heat transfer for peristaltic flow of Rabinowitsch fluid in a wavy rectangular duct with entropy generation," *Physica Scripta,* 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:lbI08cpqPnQC>.

[9] S. Nadeem, B. Ishtiaq, S. Almutairi, and H. Ghazwani, "Impact of Cattaneo–Christov double diffusion on 3d stagnation point axisymmetric flow of second-grade nanofluid towards a riga plate," *International Journal of Modern Physics B,* vol. 2250205, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:3lUAU8Oskd0C>.

[10] S. Nadeem, B. Ishtiaq, and N. Abbas, "Impact of thermal radiation on two-dimensional unsteady third-grade fluid flow over a permeable stretching Riga plate," *International Journal of Modern Physics B,* vol. 2350009, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:QaSi33NTfwYC>.

[11] S. Nadeem, J. A. Haider, S. Akhtar, and A. Mohamed, "Insight Into the Dynamics of the Rabinowitsch Fluid Through an Elliptic Duct: Peristalsis Analysis," *Frontiers in Physics,* vol. 532, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:J3LtWjKFLicC>.

[12] S. Nadeem, J. Haider, S. Akhtar, and S. Ali, "Numerical simulations of convective heat transfer of a viscous fluid inside a rectangular cavity with heated rotating obstacles," *International Journal of Modern Physics B,* vol. 2250200, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:0sTkTiv_uMkC>.

[13] S. Nadeem *et al.*, "Numerical computations for Buongiorno nano fluid model on the boundary layer flow of viscoelastic fluid towards a nonlinear stretching sheet," *Alexandria Engineering Journal,* vol. 61, no. 2, pp. 1769-1778, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:xGWFX6Gbr9MC>.

[14] S. Nadeem *et al.*, "Effects of heat and mass transfer on stagnation point flow of micropolar Maxwell fluid over Riga plate," *Scientia Iranica,* vol. 28, no. 6, pp. 3753-3766, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:9shLKfS_uJEC>.

[15] S. Nadeem, S. Akhtar, A. Saleem, S. Almutairi, H. Ghazwani, and S. Eldin, *Numerical Analysis for the hemodynamics mechanism of a curved artery having multiple stenosis*. 2022.

[16] S. Nadeem, S. Akhtar, S. Almutairi, H. Ghazwani, and S. Elkhatib, "Physical Survey of Thermally Heated Non-Newtonian Jeffrey Fluid in a Ciliated Conduit Having Heated Compressing and Expanding Walls," *Applied Sciences,* vol. 12, no. 10, pp. 5065-5065, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:6ZzL7HXColQC>.

[17] S. Nadeem, R. Akber, S. Almutairi, H. Ghazwani, and O. Mahmoud, "Numerical analysis of hydrothermal flow and heat transfer inside a cavity formed due to faults causing earthquakes," *Frontiers in Physics,* vol. 674, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:E7VqQtBCVmcC>.

[18] S. Nadeem, S. Ahmad, A. Issakhov, and I. Alarifi, "MHD stagnation point flow of nanofluid with SWCNT and MWCNT over a stretching surface driven by Arrhenius kinetics," *Applied Mathematics-A Journal of Chinese Universities,* vol. 37, no. 3, pp. 366-382, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:Ej9njvOgR2oC>.

[19] N. Muhammad, S. Nadeem, and F. Zaman, "Transmission of thermal energy in a ferromagnetic nanofluid flow," *International Journal of Modern Physics B,* vol. 2250236, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:h168fVGZblEC>.

[20] B. Ishtiaq, A. Zidan, S. Nadeem, and M. Alaoui, "Analysis of entropy generation in the nonlinear thermal radiative micropolar nanofluid flow towards a stagnation point with catalytic effects," *Physica Scripta,* 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:BAanoTsO0WEC>.

[21] B. Ishtiaq, A. Zidan, S. Nadeem, and M. Alaoui, "Scrutinization of MHD stagnation point flow in hybrid nanofluid based on the extended version of Yamada-Ota and Xue models," *Ain Shams Engineering Journal,* vol. 101905, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:60iIaj97TE0C>.

[22] B. Ishtiaq and S. Nadeem, *Theoretical analysis of Casson nanofluid over a vertical exponentially shrinking sheet with inclined magnetic field* (Waves in Random and Complex Media). 2022, pp. 1-17.

[23] S. Ijaz and S. Nadeem, "Corrigendum to “Transportation of nanoparticles investigation as a drug agent to attenuate the atherosclerotic lesion under the wall properties impact”," *Chaos, Solitons & Fractals,* vol. 156, pp. 111731-111731, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:aEW5N-EHWIMC>.

[24] S. Ijaz and S. Nadeem, "Transportation of nanoparticles investigation as a drug agent to attenuate the atherosclerotic lesion under the wall properties impact (vol 112, pg 52, 2018)," *CHAOS SOLITONS & FRACTALS,* vol. 156, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:g8uWPOAv7ggC>.

[25] K. Guedri, N. A. Ahammad, S. Nadeem, E. Tag-ElDin, A. Awan, and ... "Insight into the heat transfer of third-grade micropolar fluid over an exponentially stretched surface," *Scientific Reports,* vol. 12, no. 1, pp. 1-13, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:JH5k92_tO-AC>.

[26] H. Ghazwani, S. Akhtar, S. Almutairi, A. Saleem, S. Nadeem, and O. Mahmoud, "Insightful Facts on Peristalsis Flow of Water Conveying Multi-Walled Carbon Nanoparticles Through Elliptical Ducts With Ciliated Walls," *Frontiers in Physics,* vol. 551, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:PuOEWVtPfzwC>.

[27] W. Fuzhang, S. Akhtar, S. Nadeem, and A. El-Shafay, *Mathematical computations for the physiological flow of Casson fluid in a vertical elliptic duct with ciliated heated wavy walls* (Waves in Random and Complex Media). 2022, pp. 1-14.

[28] M. Anwar, H. Firdous, A. Zubaidi, N. Abbas, and S. Nadeem, "Computational analysis of induced magnetohydrodynamic non-Newtonian nanofluid flow over nonlinear stretching sheet," *Progress in Reaction Kinetics and Mechanism,* vol. 47, pp. 2147483647-2147483647, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:WWeOtg8bX_EC>.

[29] S. Akhtar *et al.*, "Analytical solutions of PDEs by unique polynomials for peristaltic flow of heated Rabinowitsch fluid through an elliptic duct," *Scientific Reports,* vol. 12, no. 1, pp. 1-12, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:xyvS_IvSCKsC>.

[30] S. Akhtar, S. Almutairi, and S. Nadeem, "Impact of heat and mass transfer on the Peristaltic flow of non-Newtonian Casson fluid inside an elliptic conduit: Exact solutions through novel technique," *Chinese Journal of Physics,* 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:3A3nxV7CjKIC>.

[31] K. Ahmed, L. McCash, T. Akbar, and S. Nadeem, "Effective Similarity Variables for the Computations of MHD Flow of Williamson Nanofluid over a Non-Linear Stretching Surface," *Processes,* vol. 10, no. 6, pp. 1119-1119, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:XDrR66g3YHsC>.

[32] S. Ahmad, M. Khan, and S. Nadeem, "Unsteady three dimensional bioconvective flow of Maxwell nanofluid over an exponentially stretching sheet with variable thermal conductivity and chemical reaction," *International Journal of Ambient Energy,* pp. 1-32, 2022. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:R22Rs3tN8aoC>.

[33] A. Zidan, L. McCash, S. Akhtar, A. Saleem, A. Issakhov, and S. Nadeem, "Entropy generation for the blood flow in an artery with multiple stenosis having a catheter," *Alexandria Engineering Journal,* vol. 60, no. 6, pp. 5741-5748, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:KS-xo-ZNxMsC>.

[34] I. Zehra, S. Nadeem, M. Amjad, N. Abbas, S. Saleem, and A. Issakhov, "Casson nanoliquid flow with Cattaneo-Christov flux analysis over a curved stretching/shrinking channel," *Case Studies in Thermal Engineering,* vol. 101146, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:rCNdntzdTkkC>.

[35] A. Yasin, N. Ullah, S. Saleem, S. Nadeem, and A. Al-Zubaidi, "Impact of uniform and non-uniform heated rods on free convective flow inside a porous enclosure: finite element analysis," *Physica Scripta,* 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:orDZ08hpP44C>.

[36] A. Yasin, N. Ullah, S. Nadeem, and S. Saleem, "Finite element simulation for free convective flow in an adiabatic enclosure: Study of Lorentz forces and partially thermal walls," *Case Studies in Thermal Engineering,* vol. 100981, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:WwIwg2wKZ0QC>.

[37] A. E. Shafey *et al.*, "Theoretical analysis of Brownian and thermophoresis motion effects for Newtonian fluid flow over nonlinear stretching cylinder," *CASE STUDIES IN THERMAL ENGINEERING,* vol. 28, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:Vno172sVVMwC>.

[38] A. Shafey *et al.*, "Theoretical analysis of Brownian and thermophoresis motion effects for Newtonian fluid flow over nonlinear stretching cylinder," *Case Studies in Thermal Engineering,* vol. 101369, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:9NZAP19TdFAC>.

[39] S. Saleem, S. Akhtar, S. Nadeem, A. Saleem, M. Ghalambaz, and A. Issakhov, "Mathematical study of Electroosmotically driven peristaltic flow of Casson fluid inside a tube having systematically contracting and relaxing sinusoidal heated walls," *Chinese Journal of Physics,* 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:hNSvKAmkeYkC>.

[40] A. Saleem, M. Kiani, S. Nadeem, S. Akhtar, M. Ghalambaz, and A. Issakhov, *Electroosmotically driven flow of micropolar bingham viscoplastic fluid in a wavy microchannel: application of computational biology stomach anatomy* (Computer Methods in Biomechanics and Biomedical Engineering). 2021, pp. 1-10.

[41] A. Saleem, S. Akhtar, S. Nadeem, and M. Ghalambaz, "Microphysical analysis for peristaltic flow of SWCNT and MWCNT carbon nanotubes inside a catheterised artery having thrombus: irreversibility effects with entropy," *International Journal of Exergy,* vol. 34, no. 3, pp. 301-314, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:N4u4nq0IxgcC>.

[42] A. Saleem, S. Akhtar, and S. Nadeem, "Bio-mathematical analysis of electro-osmotically modulated hemodynamic blood flow inside a symmetric and nonsymmetric stenosed artery with joule heating," *International Journal of Biomathematics,* vol. 2150071, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:7Frjd3zlGBUC>.

[43] R. Rizwana, A. Hussain, and S. Nadeem, "Mix convection non-boundary layer flow of unsteady MHD oblique stagnation point flow of nanofluid," *International Communications in Heat and Mass Transfer,* vol. 124, pp. 105285-105285, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:QsKbpXNoaWkC>.

[44] A. Rehman, A. Hussain, and S. Nadeem, "Assisting and Opposing Stagnation Point Pseudoplastic Nano Liquid Flow towards a Flexible Riga Sheet: A Computational Approach," *Mathematical Problems in Engineering,* vol. 2021, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:ndLnGcHYRF0C>.

[45] S. Nadeem, S. Qadeer, S. Akhtar, A. E. Shafey, and A. Issakhov, "Eigenfunction expansion method for peristaltic flow of hybrid nanofluid flow having single-walled carbon nanotube and multi-walled carbon nanotube in a wavy rectangular duct," *Science Progress,* vol. 104, no. 4, pp. 2147483647-2147483647, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:H7nrzBkawXsC>.

[46] S. Nadeem, L. McCash, A. Saleem, and A. Issakhov, "Simulations of micropolar nanofluid-equipped natural convective-driven flow in a cavity," *International Journal of Numerical Methods for Heat & Fluid Flow,* 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:R-LXmdHK_14C>.

[47] S. Nadeem *et al.*, "Stagnation Point Flow of Micropolar Maxwell Fluid over Riga Plate under the Influence of Heat and Mass Transfer," *Scientia Iranica,* 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:In6cVmBjs0IC>.

[48] S. Nadeem, S. Akhtar, and A. Saleem, *Peristaltic flow of a heated Jeffrey fluid inside an elliptic duct: streamline analysis* (Applied Mathematics and Mechanics). 2021, pp. 1-10.

[49] S. Nadeem, S. Akhtar, F. Alharbi, S. Saleem, and A. Issakhov, "Analysis of heat and mass transfer on the peristaltic flow in a duct with sinusoidal walls: Exact solutions of coupled PDEs," *Alexandria Engineering Journal,* 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:yTLRzDEmwhEC>.

[50] N. Muhammad, S. Nadeem, U. Khan, E. Sherif, and A. Issakhov, *Insight into the significance of Richardson number on two-phase flow of ethylene glycol-silver nanofluid due to Cattaneo-Christov heat flux* (Waves in Random and Complex Media). 2021, pp. 1-19.

[51] L. McCash, I. Zehra, A. Al-Zubaidi, M. Amjad, N. Abbas, and S. Nadeem, "Combined Effects of Binary Chemical Reaction/Activation Energy on the Flow of Sisko Fluid over a Curved Surface," *Crystals,* vol. 11, no. 8, pp. 967-967, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:L24QuVWYgZ0C>.

[52] L. McCash, S. Nadeem, S. Akhtar, A. Saleem, S. Saleem, and A. Issakhov, "Novel idea about the peristaltic flow of heated Newtonian fluid in elliptic duct having ciliated walls," *Alexandria Engineering Journal,* 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:7H_jS4BsgvYC>.

[53] L. McCash, S. Akhtar, S. Nadeem, S. Saleem, and A. Issakhov, "Viscous flow between two sinusoidally deforming curved concentric tubes: advances in endoscopy," *Scientific Reports,* vol. 11, no. 1, pp. 1-8, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:FsLZdJ3BAzkC>.

[54] L. McCash, S. Akhtar, S. Nadeem, and S. Saleem, "Entropy Analysis of the Peristaltic Flow of Hybrid Nanofluid Inside an Elliptic Duct with Sinusoidally Advancing Boundaries," *Entropy,* vol. 23, no. 6, pp. 732-732, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:Azgs6IHzeyYC>.

[55] M. Khan, S. Nadeem, N. Abbas, and A. Zidan, "Heat and mass transfer investigation of a chemically reactive Burgers nanofluid with an induced magnetic field over an exponentially stretching surface," presented at the Proceedings of the Institution of Mechanical Engineers, Part E: Journal of …, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:W2uZP3ddy8sC>.

[56] M. Khan and S. Nadeem, "Consequences of Darcy–Forchheimer and Cattaneo–Christov on a radiative three-dimensional Maxwell fluid flow over a vertical surface," *Journal of the Taiwan Institute of Chemical Engineers,* 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:jlhcAiayVhoC>.

[57] M. Khan *et al.*, "Unsteady flow of three-dimensional Maxwell nanofluid with variables properties over a stretching surface," presented at the Proceedings of the Institution of Mechanical Engineers, Part E: Journal of …, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:Y0-TYkg6YM4C>.

[58] A. Khan, N. Ullah, A. Al-Zubaidi, and S. Nadeem, "Finite element analysis for CuO/water nanofluid in a partially adiabatic enclosure: Inclined Lorentz forces and porous medium resistance," *Alexandria Engineering Journal,* 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:natZJ_-F0IUC>.

[59] A. Khan, M. Khan, S. Nadeem, S. Hussain, and M. Ashraf, "Thermal slip and homogeneous/heterogeneous reaction characteristics of second-grade fluid flow over an exponentially stretching sheet," presented at the Proceedings of the Institution of Mechanical Engineers, Part E: Journal of …, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:wyM6WWKXmoIC>.

[60] A. Khan, M. Khan, M. Ashraf, A. Galal, T. Muhammad, and S. Nadeem, "Influence of homogeneous/heterogeneous reactions on a radiative second-grade micropolar fluid flow over an exponentially stretching Riga plate with Joule heating," presented at the Proceedings of the Institution of Mechanical Engineers, Part E: Journal of …, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:rLGzs9wiiwIC>.

[61] A. Khan *et al.*, "Non-Newtonian based micropolar fluid flow over nonlinear starching cylinder under Soret and Dufour numbers effects," *International Communications in Heat and Mass Transfer,* vol. 127, pp. 105571-105571, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:tz746QTLzJkC>.

[62] F. Hussain, A. Hussain, and S. Nadeem, "Unsteady Shear-thinning Behaviour of Nanofluid Flow over Exponential Stretching/Shrinking Cylinder," *Journal of Molecular Liquids,* vol. 117894, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:I8rxH6phXEkC>.

[63] A. Hussain *et al.*, "A Combined Convection Carreau–Yasuda Nanofluid Model over a Convective Heated Surface near a Stagnation Point: A Numerical Study," *Mathematical Problems in Engineering,* vol. 2021, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:PQEM9vzQD9gC>.

[64] A. Hussain, A. Rehman, S. Nadeem, M. Khan, and A. Issakhov, *Research Article A Computational Model for the Radiated Kinetic Molecular Postulate of Fluid-Originated Nanomaterial Liquid Flow in the Induced Magnetic Flux Regime*. 2021.

[65] A. Hussain, A. Rehman, S. Nadeem, M. Khan, and A. Issakhov, "A Computational Model for the Radiated Kinetic Molecular Postulate of Fluid-Originated Nanomaterial Liquid Flow in the Induced Magnetic Flux Regime," *Mathematical Problems in Engineering,* vol. 2021, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:6VlyvFCUEfcC>.

[66] A. Hussain, Q. Haider, A. Rehman, M. Malik, S. Nadeem, and S. Hussain, "Heat Transport Improvement and Three-Dimensional Rotating Cone Flow of Hybrid-Based Nanofluid," *Mathematical Problems in Engineering,* vol. 2021, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:TesyEGJKHF4C>.

[67] E. Hou *et al.*, "Entropy generation and induced magnetic field in pseudoplastic nanofluid flow near a stagnant point," *Scientific Reports,* vol. 11, no. 1, pp. 1-25, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:KTwcwpFFj4wC>.

[68] B. Ganga, S. Charles, A. Hakeem, and S. Nadeem, "Three dimensional MHD Casson fluid flow over a stretching surface with variable thermal conductivity," *Journal of Applied Mathematics and Computational Mechanics,* vol. 20, no. 1, pp. 25-36, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:DXE8ND7PrJAC>.

[69] W. Fuzhang, S. Ali, S. Nadeem, N. Muhammad, and T. Nofal, "Numerical analysis for the effects of heat transfer in modified square duct with heated obstacle inside it," *International Communications in Heat and Mass Transfer,* vol. 129, pp. 105666-105666, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:yeL6HyUMUGUC>.

[70] A. Awan, M. Aziz, N. Ullah, S. Nadeem, and K. Abro, "Thermal analysis of oblique stagnation point flow with slippage on second-order fluid," *Journal of Thermal Analysis and Calorimetry,* pp. 1-13, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:Vr2j17o0sqMC>.

[71] A. Alblawi, S. Keyani, S. Nadeem, A. Issakhov, and I. Alarifi, "Ciliary Flow of Casson Nanofluid with the Influence of MHD having Carbon Nanotubes," *Current Nanoscience,* vol. 17, no. 3, pp. 447-462, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:x21FZCSn4ZoC>.

[72] S. Akhtar, L. McCash, S. Nadeem, S. Saleem, and A. Issakhov, "Mechanics of non-Newtonian blood flow in an artery having multiple stenosis and electroosmotic effects," *Science Progress,* vol. 104, no. 3, pp. 2147483647-2147483647, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:cBPnxVikjH8C>.

[73] S. Akhtar, L. McCash, S. Nadeem, S. Saleem, and A. Issakhov, "Convective heat transfer for Peristaltic flow of SWCNT inside a sinusoidal elliptic duct," *Science Progress,* vol. 104, no. 2, pp. 2147483647-2147483647, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:xm0LlTxljI0C>.

[74] S. Akhtar, L. McCash, S. Nadeem, and A. Saleem, "Scientific breakdown for physiological blood flow inside a tube with multi-thrombosis," *Scientific Reports,* vol. 11, no. 1, pp. 1-14, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:M0leSnx2MbUC>.

[75] S. Ahmad, S. Nadeem, and A. Rehman, "Mathematical Analysis of Thermal Energy Distribution in a Hybridized Mixed Convective Flow," *Journal of Nanofluids,* vol. 10, no. 2, pp. 222-231, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:RMgMIBzvq-4C>.

[76] S. Ahmad, S. Nadeem, and M. Khan, "Heat enhancement analysis of the hybridized micropolar nanofluid with Cattaneo–Christov and stratification effects," presented at the Proceedings of the Institution of Mechanical Engineers, Part C: Journal of …, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:bVQMTfhMCi4C>.

[77] S. Ahmad, S. Nadeem, and M. Khan, "Mixed convection hybridized micropolar nanofluid with triple stratification and Cattaneo–Christov heat flux model," *Physica Scripta,* 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:lg2tdxc6qMwC>.

[78] S. Ahmad and S. Nadeem, "Flow and heat transfer investigation of bio–convective hybrid nanofluid with triple stratification effects," *Physica Scripta,* 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:pYKElYtJMmwC>.

[79] S. Ahmad, M. Khan, S. Nadeem, A. Rehman, H. Ahmad, and R. Ali, "Impact of Joule heating and multiple slips on a Maxwell nanofluid flow past a slendering surface," *Communications in Theoretical Physics,* 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:YPNY0knpFBYC>.

[80] N. Abbas, S. Nadeem, and M. Khan, "Numerical analysis of unsteady magnetized micropolar fluid flow over a curved surface," *Journal of Thermal Analysis and Calorimetry,* pp. 1-11, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:EaFouW7jFu4C>.

[81] N. Abbas, S. Nadeem, and A. Issakhov, "Transportation of modified nanofluid flow with time dependent viscosity over a Riga plate: Exponentially stretching," *Ain Shams Engineering Journal,* 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:ymY9cBF3mdcC>.

[82] N. Abbas, M. Malik, S. Nadeem, S. Hussain, and A. El-Shafa, "Similarity solution of second grade fluid flow over a moving cylinder," *International Journal of Modern Physics B,* vol. 2150325, 2021. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:3_LpOwP6eMYC>.

[83] A. Zeeshan, Z. Ali, M. Gorji, F. Hussain, and S. Nadeem, "Flow analysis of biconvective heat and mass transfer of two-dimensional couple stress fluid over a paraboloid of revolution," *International Journal of Modern Physics B,* vol. 2050110, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:ZqE1mSdD_DYC>.

[84] N. Ullah, S. Nadeem, and A. Saleem, *Impact of gravity-induced and Fourier’s heat flux on the nano-film flow over thermal sensitive surface* (Applied Nanoscience). 2020, pp. 1-11.

[85] N. Ullah, S. Nadeem, and A. Saleem, "Finite Element Analysis of Convective Nanofluid Equipped in Enclosure having both Inlet and Outlet Zones," *Journal of the Taiwan Institute of Chemical Engineers,* 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:c_xDhezhKKUC>.

[86] N. Ullah, S. Nadeem, A. Khan, R. Haq, and I. Tlili, "Influence of metallic nanoparticles in water driven along a wavy circular cylinder," *Chinese Journal of Physics,* vol. 63, pp. 168-185, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:kJDgFkosVoMC>.

[87] N. Ullah, S. Nadeem, and A. Khan, "Finite element simulations for natural convective flow of nanofluid in a rectangular cavity having corrugated heated rods," *Journal of Thermal Analysis and Calorimetry,* pp. 1-13, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:-6RzNnnwWf8C>.

[88] I. Shahzadi, S. Suleman, S. Saleem, and S. Nadeem, "Utilization of Cu-nanoparticles as medication agent to reduce atherosclerotic lesions of a bifurcated artery having compliant walls," *Computer Methods and Programs in Biomedicine,* vol. 184, pp. 105123-105123, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:qwy9JoKyICEC>.

[89] I. Shahzadi, N. Ahsan, S. Nadeem, and A. Issakhov, "Analysis of bifurcation dynamics of streamlines topologies for pseudoplastic shear thinning fluid: biomechanics application," *Physica A: Statistical Mechanics and its Applications,* vol. 540, pp. 122502-122502, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:CYCckWUYoCcC>.

[90] A. Saleem, A. Qaiser, S. Nadeem, M. Ghalambaz, and A. Issakhov, "Physiological Flow of Non-Newtonian Fluid with Variable Density Inside a Ciliated Symmetric Channel Having Compliant Wall," *Arabian Journal for Science and Engineering,* pp. 1-12, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:JWITY9-sCbMC>.

[91] A. Saleem, A. Qaiser, and S. Nadeem, "Physiological flow of biomedical compressible fluids inside a ciliated symmetric channel," *Advances in Mechanical Engineering,* vol. 12, no. 7, pp. 2147483647-2147483647, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:LGlY6t8CeOMC>.

[92] A. Saleem, M. Kiani, S. Nadeem, and A. Issakhov, *Heat transfer and Helmholtz-Smoluchowski velocity in Bingham fluid flow* (Applied Mathematics and Mechanics). 2020, pp. 1-12.

[93] A. Saleem, S. Akhtar, S. Nadeem, A. Issakhov, and M. Ghalambaz, "Blood Flow Through a Catheterized Artery Having a Mild Stenosis at the Wall with a Blood Clot at the Centre," *Computer Modeling in Engineering & Sciences,* vol. 125, no. 2, pp. 565-577, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:BOlwja0KXvYC>.

[94] A. Saleem, S. Akhtar, S. Nadeem, F. Alharbi, M. Ghalambaz, and A. Issakhov, "Mathematical computations for Peristaltic flow of heated non-Newtonian fluid inside a sinusoidal elliptic duct," *Physica Scripta,* 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:jmjb1lOE9QIC>.

[95] A. Saleem, S. Akhtar, F. Alharbi, S. Nadeem, M. Ghalambaz, and A. Issakhov, "Physical aspects of peristaltic flow of hybrid nano fluid inside a curved tube having ciliated wall," *Results in Physics,* vol. 103431, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:c59VksA5Vz4C>.

[96] H. Sadaf and S. Nadeem, "Fluid flow analysis of cilia beating in a curved channel in the presence of magnetic field and heat transfer," *Canadian Journal of Physics,* vol. 98, no. 2, pp. 191-197, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:tHtfpZlB6tUC>.

[97] R. Rizwana and S. Nadeem, "Series solution of unsteady MHD oblique stagnation point flow of copper-water nanofluid flow towards Riga plate," *Heliyon,* vol. 6, no. 10, pp. 4689--1, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:OzeSX8-yOCQC>.

[98] R. Rizwana, A. Hussain, and S. Nadeem, "Slip Effects on Unsteady Oblique Stagnation Point Flow of Nanofluid in a View of Inclined Magnetic Field," *Mathematical Problems in Engineering,* vol. 2020, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:dAp6zn-oMfAC>.

[99] A. Rehman, A. Hussain, and S. Nadeem, "Physical aspects of convective and radiative molecular theory of liquid originated nanofluid flow in the existence of variable properties," *Physica Scripta,* 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:sfnaS5RM6jYC>.

[100] A. Rehman, N. Abbas, S. Nadeem, and A. Saleem, "Significance of Coriolis force on the dynamics of water conveying copper and copper oxide nanoparticles," *Physica Scripta,* 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:QVtou7C4vgoC>.

[101] M. Rashid, I. Shahzadi, and S. Nadeem, "Significance of Knudsen number and corrugation on EMHD flow under metallic nanoparticles impact," *Physica A: Statistical Mechanics and its Applications,* vol. 124089, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:eAlLMO4JVmQC>.

[102] M. Rashid, S. Nadeem, and I. Shahzadi, "Permeability impact on electromagnetohydrodynamic flow through corrugated walls of microchannel with variable viscosity," *Advances in Mechanical Engineering,* vol. 12, no. 7, pp. 2147483647-2147483647, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:hQUaER0FWQ4C>.

[103] M. Rashid, K. Ansar, and S. Nadeem, "Effects of induced magnetic field for peristaltic flow of Williamson fluid in a curved channel," *Physica A: Statistical Mechanics and its Applications,* vol. 123979, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:AYInfyleIOsC>.

[104] S. Nadeem, M. Malik, and N. Abbas, "Heat transfer of three-dimensional micropolar fluid on a Riga plate," *Canadian Journal of Physics,* vol. 98, no. 1, pp. 32-38, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:jSAVyFp_754C>.

[105] S. Nadeem, M. Kiani, A. Saleem, and A. Issakhov, "Microvascular Blood Flow with Heat Transfer in a Wavy Channel having Electroosmotic Effects," *Electrophoresis,* 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:CNPyR2KL9-0C>.

[106] S. Nadeem, M. Khan, and N. Abbas, "Transportation of slip effects on nanomaterial micropolar fluid flow over exponentially stretching," *Alexandria Engineering Journal,* 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:t-hv7AR41mYC>.

[107] S. Nadeem, M. Israr-ur-Rehman, S. Saleem, and E. Bonyah, "Dual solutions in MHD stagnation point flow of nanofluid induced by porous stretching/shrinking sheet with anisotropic slip," *AIP Advances,* vol. 10, no. 6, pp. 65207-65207, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:8dzOF9BpDQoC>.

[108] S. Nadeem, M. Ijaz, A. El-Kott, and M. Ayub, "Rosseland analysis for ferromagnetic fluid in presence of gyrotactic microorganisms and magnetic dipole," *Ain Shams Engineering Journal,* vol. 11, no. 4, pp. 1295-1308, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:1r-w4gtu6w8C>.

[109] S. Nadeem, A. Amin, and N. Abbas, "On the stagnation point flow of nanomaterial with base viscoelastic micropolar fluid over a stretching surface," *Alexandria Engineering Journal,* 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:hvmnpdAuIbkC>.

[110] S. Nadeem, A. Alblawi, N. Muhammad, I. Alarifi, A. Issakhov, and M. Mustafa, "A computational model for suspensions of motile micro-organisms in the flow of ferrofluid," *Journal of Molecular Liquids,* vol. 298, pp. 112033-112033, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:X9ykpCP0fEIC>.

[111] S. Nadeem, S. Akhtar, and N. Abbas, "Heat transfer of Maxwell base fluid flow of nanomaterial with MHD over a vertical moving surface," *Alexandria Engineering Journal,* 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:G1UMdFYMoxkC>.

[112] S. Nadeem, S. Ahmad, and N. Muhammad, "Analysis of ferrite nanoparticles in liquid," *Pramana,* vol. 94, no. 1, pp. 1-9, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:c1e4I3QdEKYC>.

[113] S. Nadeem and S. Ahmad, "Mathematical analysis of heat and mass transfer in a Maxwell fluid with double stratification," *Physica Scripta,* 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:Og1tA8FjbJAC>.

[114] S. Nadeem, N. Abbas, and M. Malik, "Heat transport in CNTs based nanomaterial flow of non-Newtonian fluid having electro magnetize plate," *Alexandria Engineering Journal,* 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:hGdtkIFZdKAC>.

[115] S. Nadeem, N. Abbas, and M. Malik, "Inspection of hybrid based nanofluid flow over a curved surface," *Computer Methods and Programs in Biomedicine,* vol. 105193, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:qE4H1tSSYIIC>.

[116] S. Nadeem, N. Abbas, Y. Elmasry, and M. Malik, "Numerical analysis of water based CNTs flow of micropolar fluid through rotating frame," *Computer methods and programs in biomedicine,* vol. 186, pp. 105194-105194, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:YlPif8NxrbYC>.

[117] N. Muhammad, S. Nadeem, and A. Issakhov, "Finite volume method for mixed convection flow of Ag–ethylene glycol nanofluid flow in a cavity having thin central heater," *Physica A: Statistical Mechanics and its Applications,* vol. 537, pp. 122738-122738, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:g5Ck-dwhA_QC>.

[118] K. Mekheimer, I. Shahzadi, S. Nadeem, A. Moawad, and A. Zaher, "Reactivity of bifurcation angle and electroosmosis flow for hemodynamic flow through aortic bifurcation and stenotic wall with heat transfer," *Physica Scripta,* 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:wSy_KLzO7YEC>.

[119] L. McCash, S. Nadeem, N. Abbas, M. Khan, and A. Saleem, *Mathematically Handling an Unsteady Magnetized Micropolar Fluid Flow over a Stretched Curved Surface with both Thermal and Velocity Slips* (Authorea Preprints). 2020.

[120] K. Kumar, E. Hani, M. Assad, M. Rahimi-Gorji, and S. Nadeem, *A novel approach for investigation of heat transfer enhancement with ferromagnetic hybrid nanofluid by considering solar radiation* (Microsystem Technologies). 2020, pp. 1-8.

[121] K. Kumar, A. Baslem, B. Prasannakumara, J. Majdoubi, M. Rahimi-Gorji, and ... *Significance of Arrhenius activation energy in flow and heat transfer of tangent hyperbolic fluid with zero mass flux condition* (Microsystem Technologies). 2020, pp. 1-10.

[122] M. Khan, N. Ullah, and S. Nadeem, "Transient flow of Maxwell Nanofluid Over a Shrinking Surface: Numerical Solutions and Stability Analysis," *Surfaces and Interfaces,* vol. 22, pp. 100829-100829, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:qmtmRrLr0tkC>.

[123] M. Khan, K. Pan, A. Khan, and S. Nadeem, "Dual solutions for mixed convection flow of SiO2− Al2O3∕ water, hybrid nanofluid near the stagnation point flow over a curved surface," *Physica A: Statistical Mechanics and its Applications,* vol. 123959, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:RJOyoaXV5v8C>.

[124] M. Khan, S. Nadeem, N. Ullah, and A. Saleem, "Theoretical treatment of radiative Oldroyd-B nanofluid with microorganism pass an exponentially stretching sheet," *Surfaces and Interfaces,* vol. 100686, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:37UQlXuwjP4C>.

[125] M. Khan, S. Nadeem, and N. Muhammad, "Micropolar fluid flow with temperature‐dependent transport properties," *Heat Transfer,* vol. 49, no. 4, pp. 2375-2389, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:EsEWqaRxkBgC>.

[126] M. Khan, S. Nadeem, S. Ahmad, and A. Saleem, "Mathematical analysis of heat and mass transfer in a Maxwell fluid," presented at the Proceedings of the Institution of Mechanical Engineers, Part C: Journal of …, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:iyewoVqAXLQC>.

[127] M. Khan, J. Ahmed, W. Ali, and S. Nadeem, *Chemically reactive swirling flow of viscoelastic nanofluid due to rotating disk with thermal radiations* (Applied Nanoscience). 2020, pp. 1-14.

[128] Z. Iqbal, M. Khan, A. Ahmed, and S. Nadeem, "Features of thermophoretic and Brownian forces in Burgers fluid flow subject to Joule heating and convective conditions," *Physica Scripta,* 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:wLxue7F8ec0C>.

[129] M. Ijaz, S. Nadeem, M. Ayub, and S. Mansoor, "Simulation of magnetic dipole on gyrotactic ferromagnetic fluid flow with nonlinear thermal radiation," *Journal of Thermal Analysis and Calorimetry,* pp. 1-15, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:BmWJbWwHJAwC>.

[130] F. Hussain, A. Hussain, and S. Nadeem, "Thermophoresis and Brownian Model of Pseudo-Plastic Nanofluid Flow over a Vertical Slender Cylinder," *Mathematical Problems in Engineering,* vol. 2020, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:TaaCk18tZOkC>.

[131] A. Hussain, R. Zetoon, S. Ali, and S. Nadeem, "Magneto-hydro dynamic squeezed flow of Williamson fluid transiting a sensor surface," *Heliyon,* vol. 6, no. 9, pp. 4875--1, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:pQTOvowfQioC>.

[132] T. Hayat, W. Khan, S. Abbas, S. Nadeem, and S. Ahmad, *Impact of induced magnetic field on second-grade nanofluid flow past a convectively heated stretching sheet* (Applied Nanoscience). 2020, pp. 1-9.

[133] M. Hassan *et al.*, "The effects of zero and high shear rates viscosities on the transportation of heat and mass in boundary layer regions: A non-Newtonian fluid with Carreau model," *Journal of Molecular Liquids,* vol. 113991, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:s85pQhAUCrAC>.

[134] A. Hakeem, P. Ragupathi, B. Ganga, and S. Nadeem, "THREE DIMENSIONAL VISCOUS DISSIPATIVE FLOW OF NANOFLUIDS OVER A RIGA PLATE," *Journal of Heat and Mass Transfer Research,* 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:m92CDrhVnKEC>.

[135] M. Ghalambaz, S. Mehryan, M. Mozaffari, A. Hajjar, M. E. Kadri, and ... "Entropy generation and natural convection flow of a suspension containing nano-encapsulated phase change particles in a semi-annular cavity," *Journal of Energy Storage,* vol. 32, pp. 101834-101834, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:lYAcb2jw7qUC>.

[136] Y. Chu *et al.*, "Transportation of heat and mass transport in hydromagnetic stagnation point flow of Carreau nanomaterial: Dual simulations through Runge-Kutta Fehlberg technique," *International Communications in Heat and Mass Transfer,* vol. 118, pp. 104858-104858, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:nqdriD65xNoC>.

[137] A. Awan, S. Abid, N. Ullah, and S. Nadeem, "Magnetohydrodynamic Oblique Stagnation Point Flow of Second Grade Fluid Over an Oscillatory Stretching Surface," *Results in Physics,* vol. 103233, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:oPLKW5k6eA4C>.

[138] M. Amjad, I. Zehra, S. Nadeem, N. Abbas, A. Saleem, and A. Issakhov, "Influence of Lorentz force and Induced Magnetic Field Effects on Casson Micropolar nanofluid flow over a permeable curved stretching/shrinking surface under the stagnation region," *Surfaces and Interfaces,* vol. 100766, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:yY3RG6sOEgwC>.

[139] M. Amjad, I. Zehra, S. Nadeem, and N. Abbas, "Thermal analysis of Casson micropolar nanofluid flow over a permeable curved stretching surface under the stagnation region," *Journal of Thermal Analysis and Calorimetry,* pp. 1-13, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:_AeoHAGD03cC>.

[140] A. Alsabery, I. Hashim, A. Hajjar, M. Ghalambaz, S. Nadeem, and M. S. Pour, "Entropy Generation and Natural Convection Flow of Hybrid Nanofluids in a Partially Divided Wavy Cavity Including Solid Blocks," *Energies,* vol. 13, no. 11, pp. 2942-2942, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:mel-f30kHHgC>.

[141] A. Al-Hanaya, F. Sajid, N. Abbas, and S. Nadeem, "Effect of SWCNT and MWCNT on the flow of micropolar hybrid nanofluid over a curved stretching surface with induced magnetic field," *Scientific Reports,* vol. 10, no. 1, pp. 1-18, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:-uzm3Y7AvW0C>.

[142] Z. Ahmed, S. Saleem, S. Nadeem, and A. Khan, "Squeezing Flow of Carbon Nanotubes-Based Nanofluid in Channel Considering Temperature-Dependent Viscosity: A Numerical Approach," *Arabian Journal for Science and Engineering,* pp. 1-7, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:ijdKiLOsEJMC>.

[143] A. Ahmed, M. Khan, J. Ahmed, and S. Nadeem, "Mixed Convection in Unsteady Stagnation Point Flow of Maxwell Fluid Subject to Modified Fourier’s Law," *Arabian Journal for Science and Engineering,* pp. 1-9, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:zUl2_INMlC4C>.

[144] A. Ahmed, M. Khan, J. Ahmed, A. Anjum, and S. Nadeem, "Mixed convective 3D flow of Maxwell nanofluid induced by stretching sheet: Application of Cattaneo-Christov theory," presented at the Proceedings of the Institution of Mechanical Engineers, Part C: Journal of …, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:eI34FqJmdUoC>.

[145] S. Ahmad, S. Nadeem, and N. Ullah, *Entropy generation and temperature-dependent viscosity in the study of SWCNT–MWCNT hybrid nanofluid* (Applied Nanoscience). 2020, pp. 1-13.

[146] S. Ahmad, S. Nadeem, N. Muhammad, and M. Khan, "Cattaneo–Christov heat flux model for stagnation point flow of micropolar nanofluid toward a nonlinear stretching surface with slip effects," *Journal of Thermal Analysis and Calorimetry,* pp. 1-13, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:unp9ATQDT5gC>.

[147] S. Ahmad, S. Nadeem, N. Muhammad, and A. Issakhov, "Radiative SWCNT and MWCNT nanofluid flow of Falkner–Skan problem with double stratification," *Physica A: Statistical Mechanics and its Applications,* vol. 124054, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:2ywjKiB__4kC>.

[148] S. Ahmad and S. Nadeem, "Thermal analysis in buoyancy driven flow of hybrid nanofluid subject to thermal radiation," *International Journal of Ambient Energy,* vol. 1, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:ji7lAbPyDbYC>.

[149] S. Ahmad and S. Nadeem, "Hybridized nanofluid with stagnation point past a rotating disk," *Physica Scripta,* 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:m4fbC6XIj1kC>.

[150] S. Ahmad and S. Nadeem, *Application of CNT-based micropolar hybrid nanofluid flow in the presence of Newtonian heating* (Applied Nanoscience). 2020, pp. 1-13.

[151] S. Ahmad and S. Nadeem, *Flow analysis by Cattaneo–Christov heat flux in the presence of Thomson and Troian slip condition* (Applied Nanoscience). 2020, pp. 1-15.

[152] S. Ahmad and S. Nadeem, "Analysis of activation energy and its impact on hybrid nanofluid in the presence of Hall and ion slip currents," *APPLIED NANOSCIENCE,* 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:AzKEL7Gb_04C>.

[153] S. Ahmad and S. Nadeem, "Cattaneo–Christov‑based study of SWCNT–MWCNT/EG Casson hybrid nanofluid flow past a lubricated surface with entropy generation," *APPLIED NANOSCIENCE,* 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:zwpXiJ37cpgC>.

[154] O. Adeyeye *et al.*, *Investigation of a hyperbolic annular fin with temperature dependent thermal conductivity by two step third derivative block method (TSTDBM)* (Microsystem Technologies). 2020, pp. 1-12.

[155] N. Abbas, S. Nadeem, A. Saleem, M. Malik, A. Issakhov, and F. Alharabi, "Models base study of inclined MHD of hybrid nanofluid flow over nonlinear stretching cylinder," *Chinese Journal of Physics,* 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:wUn16MOA3RoC>.

[156] N. Abbas, S. Nadeem, and A. Saleem, "Computational analysis of water based Cu - Al2O3/H2O flow over a vertical wedge," *Advances in Mechanical Engineering,* vol. 12, no. 11, pp. 2147483647-2147483647, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:AZju0d2GQJ0C>.

[157] N. Abbas, S. Nadeem, and M. Malik, "On extended version of Yamada–Ota and Xue models in micropolar fluid flow under the region of stagnation point," *Physica A: Statistical Mechanics and its Applications,* vol. 542, pp. 123512-123512, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:ghEM2AJqZyQC>.

[158] N. Abbas, S. Nadeem, and M. Malik, "Theoretical study of micropolar hybrid nanofluid over Riga channel with slip conditions," *Physica A: Statistical Mechanics and its Applications,* vol. 124083, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:isU91gLudPYC>.

[159] N. Abbas, M. Malik, S. Nadeem, and I. Alarifi, "On extended version of Yamada–Ota and Xue models of hybrid nanofluid on moving needle," *The European Physical Journal Plus,* vol. 135, no. 2, pp. 145-145, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:SAZ1SQo2q1kC>.

[160] N. Abbas, M. Malik, and S. Nadeem, "Stagnation flow of hybrid nanoparticles with MHD and slip effects," *Heat Transfer—Asian Research,* vol. 49, no. 1, pp. 180-196, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:-DxkuPiZhfEC>.

[161] N. Abbas, M. Malik, and S. Nadeem, "Study of three dimensional stagnation point flow of hybrid nanofluid over an isotropic slip surface," *Physica A: Statistical Mechanics and its Applications,* vol. 124020, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:eGYfIraVYiQC>.

[162] N. Abbas, M. Malik, and S. Nadeem, "Transportation of magnetized micropolar hybrid nanomaterial fluid flow over a Riga curface surface," *Computer methods and programs in biomedicine,* vol. 185, pp. 105136-105136, 2020. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:wE-fMHVdjMkC>.

[163] S. Waheed, A. Saleem, and S. Nadeem, "Physiological analysis of streamline topologies and their bifurcations for a peristaltic flow of nano fluid," *Microsystem Technologies,* vol. 25, no. 4, pp. 1267-1296, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:YsrPvlHIBpEC>.

[164] D. Vo, S. Saleem, A. Alderremy, T. Nguyen, S. Nadeem, and Z. Li, "Heat transfer enhancement and migration of ferrofluid due to electric force inside a porous medium with complex geometry," *Physica Scripta,* vol. 94, no. 11, pp. 115218-115218, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:SIv7DqKytYAC>.

[165] Usama, S. Nadeem, and A. Khan, "Stability analysis of Cu–H2O nanofluid over a curved stretching–shrinking sheet: existence of dual solutions," *Canadian Journal of Physics,* vol. 97, no. 8, pp. 911-922, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:pS0ncopqnHgC>.

[166] M. Subhani and S. Nadeem, "Numerical investigation into unsteady magnetohydrodynamics flow of micropolar hybrid nanofluid in porous medium," *Physica Scripta,* vol. 94, no. 10, pp. 105220-105220, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:65Yg0jNCQDAC>.

[167] M. Subhani and S. Nadeem, "Numerical analysis of micropolar hybrid nanofluid," *Applied Nanoscience,* vol. 9, no. 4, pp. 447-459, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:eO3_k5sD8BwC>.

[168] I. Shahzadi and S. Nadeem, "Consequences of compliant walls for peristaltic transportation in a channel having porous medium and porous boundaries," *Canadian Journal of Physics,* vol. 97, no. 6, pp. 599-608, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:ziOE8S1-AIUC>.

[169] I. Shahzadi and S. Nadeem, "A comparative study of Cu nanoparticles under slip effects through oblique eccentric tubes, a biomedical solicitation examination," *Canadian Journal of Physics,* vol. 97, no. 1, pp. 63-81, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:KNjnJ3z-R6IC>.

[170] I. Shahzadi and S. Nadeem, "Analysis of Ag/blood-mediated transport in curved annulus with exclusive nature of convective boundary," *Physica Scripta,* vol. 94, no. 11, pp. 115011-115011, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:silx2ntsSuwC>.

[171] S. Saleem, S. Nadeem, M. Rashidi, and C. Raju, "An optimal analysis of radiated nanomaterial flow with viscous dissipation and heat source," *Microsystem Technologies,* vol. 25, no. 2, pp. 683-689, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:VN7nJs4JPk0C>.

[172] S. Saleem, H. Firdous, S. Nadeem, and A. Khan, "Convective heat and mass transfer in magneto Walter’s B nanofluid flow induced by a rotating cone," *Arabian Journal for Science and Engineering,* vol. 44, no. 2, pp. 1515-1523, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:SGW5VrABaM0C>.

[173] M. Sadiq, A. Khan, S. Saleem, and S. Nadeem, "Numerical simulation of oscillatory oblique stagnation point flow of a magneto micropolar nanofluid," *RSC Advances,* vol. 9, no. 9, pp. 4751-4764, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:DrR-2ekChdkC>.

[174] M. Rashid and S. Nadeem, "EMHD flow through microchannels with corrugated walls in the presence of nanofluid," *Canadian Journal of Physics,* vol. 97, no. 7, pp. 701-720, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:kF1pexMAQbMC>.

[175] S. Nadeem, N. Ullah, and A. Khan, "Impact of an oblique stagnation point on MHD micropolar nanomaterial in porous medium over an oscillatory surface with partial slip," *Physica Scripta,* vol. 94, no. 6, pp. 65209-65209, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:wvYxNZNCP7wC>.

[176] S. Nadeem, M. Khan, N. Muhammad, and S. Ahmad, "Mathematical analysis of bio-convective micropolar nanoﬂuid," *Society for Computational Design and Engineering,* 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:_tF6a-HnqWAC>.

[177] S. Nadeem, M. Khan, N. Muhammad, and S. Ahmad, "Mathematical analysis of bio-convective micropolar nanofluid," *Journal of Computational Design and Engineering,* vol. 6, no. 3, pp. 233-242, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:zGdJYJv2LkUC>.

[178] S. Nadeem, M. Khan, and A. Khan, "MHD stagnation point flow of viscous nanofluid over a curved surface," *Physica Scripta,* vol. 94, no. 11, pp. 115207-115207, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:QsaTk4IG4EwC>.

[179] S. Nadeem and A. Khan, "MHD oblique stagnation point flow of nanofluid over an oscillatory stretching/shrinking sheet: Existence of dual solutions," *Physica Scripta,* vol. 94, no. 7, pp. 75204-75204, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:HJSXoJQnj-YC>.

[180] S. Nadeem, T. Hayat, and A. Khan, "Numerical study of 3D rotating hybrid SWCNT–MWCNT flow over a convectively heated stretching surface with heat generation/absorption," *Physica Scripta,* vol. 94, no. 7, pp. 75202-75202, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:rTD5ala9j4wC>.

[181] S. Nadeem, Z. Ahmed, and S. Saleem, "Carbon nanotubes effects in magneto nanofluid flow over a curved stretching surface with variable viscosity," *Microsystem Technologies,* vol. 25, no. 7, pp. 2881-2888, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:2l5NCbZemmgC>.

[182] S. Nadeem and N. Abbas, "Effects of MHD on Modified Nanofluid Model with Variable Viscosity in a Porous Medium," *Nanofluid Flow in Porous Media,* 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:LXmCCkuhhTsC>.

[183] S. Nadeem and N. Abbas, "On both MHD and slip effect in Micropolar Hybrid nanofluid past a circular cylinder under stagnation point region," *Canadian Journal of Physics,* vol. 97, no. 4, pp. 392-399, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:-nhnvRiOwuoC>.

[184] N. Muhammad, S. Nadeem, and M. Mustafa, "Hybrid Isothermal Model for the Ferrohydrodynamic Chemically Reactive Species," *Communications in Theoretical Physics,* vol. 71, no. 4, pp. 384-384, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:k_7cPK9k7w8C>.

[185] N. Muhammad, S. Nadeem, and M. Mustafa, "Impact of magnetic dipole on a thermally stratified ferrofluid past a stretchable surface," presented at the Proceedings of the Institution of Mechanical Engineers, Part E: Journal of …, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:1DsIQWDZLl8C>.

[186] X. Li, A. Khan, M. Khan, S. Nadeem, and S. Khan, "Oblique Stagnation Point Flow of Nanofluids over Stretching/Shrinking Sheet with Cattaneo–Christov Heat Flux Model: Existence of Dual Solution," *Symmetry,* vol. 11, no. 9, pp. 1070-1070, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:qe6vwMD2xtsC>.

[187] M. Khan and S. Nadeem, "Theoretical treatment of bio-convective Maxwell nanofluid over an exponentially stretching sheet," *Canadian Journal of Physics,* 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:hSRAE-fF4OAC>.

[188] A. Khan, S. Saleem, S. Nadeem, and A. Alderremy, "Analysis of unsteady non-axisymmetric Homann stagnation point flow of nanofluid and possible existence of multiple solutions," *Physica A: Statistical Mechanics and its Applications,* vol. 123920, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:1tZ8xJnm2c8C>.

[189] A. Khan, S. Hussain, and S. Nadeem, "Existence and stability of heat and fluid flow in the presence of nanoparticles along a curved surface by mean of dual nature solution," *Applied Mathematics and Computation,* vol. 353, pp. 66-81, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:JTqpx9DYBaYC>.

[190] A. Hussain, R. Zetoon, S. Ali, and S. Nadeem, "Magnetically driven flow of pseudoplastic fluid across a sensor surface," *Journal of the Brazilian Society of Mechanical Sciences and Engineering 41 …,* 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:rbm3iO8VlycC>.

[191] A. Hussain, L. Sarwar, S. Akbar, S. Nadeem, and S. Jamal, "Numerical investigation of viscoelastic nanofluid flow with radiation effects," presented at the Proceedings of the Institution of Mechanical Engineers, Part N: Journal of …, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:aIdbFUkbNIkC>.

[192] A. Hussain, L. Sarwar, S. Akbar, and S. Nadeem, "Mathematical model for blood flow through the stenosed channel," *Physica Scripta,* vol. 95, no. 2, pp. 25206-25206, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:2v_ZtQDX9iAC>.

[193] A. Hussain and S. Nadeem, "MHD oblique stagnation point flow of copper-water nanofluid with variable properties," *Physica Scripta,* vol. 94, no. 12, pp. 125808-125808, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:Xz60mAmATU4C>.

[194] A. Hussain, F. Javed, and S. Nadeem, "Numerical solution of a Casson nanofluid flow and heat transfer analysis between concentric cylinders," *Journal of Power Technologies,* vol. 99, no. 1, pp. 25-30, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:Hck25ST_3aIC>.

[195] A. Hussain, S. Akbar, L. Sarwar, S. Nadeem, and Z. Iqbal, "Effect of time dependent viscosity and radiation efficacy on a non-Newtonian fluid flow," *Heliyon,* vol. 5, no. 2, pp. 1203--1, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:mWEH9CqjF64C>.

[196] T. Hayat, S. Nadeem, and A. Khan, *Aspects of 3D rotating hybrid CNT flow for a convective exponentially stretched surface* (Applied Nanoscience). 2019, pp. 1-10.

[197] T. Hayat, S. Nadeem, and A. Khan, "Numerical analysis of Ag–CuO/water rotating hybrid nanofluid with heat generation and absorption," *Canadian Journal of Physics,* vol. 97, no. 6, pp. 644-650, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:raTqNPD5sRQC>.

[198] T. Hayat and S. Nadeem, "The effects of MHD and buoyancy on Hematite water-based fluid past a convectively heated stretching sheet," *Neural Computing and Applications,* vol. 31, no. 4, pp. 1083-1090, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:CdxZDUztZiMC>.

[199] M. Ayub, I. Shahzadi, and S. Nadeem, "A ballon model analysis with Cu-blood medicated nanoparticles as drug agent through overlapped curved stenotic artery having compliant walls," *Microsystem Technologies,* vol. 25, no. 8, pp. 2949-2962, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:QUX0mv85b1cC>.

[200] A. Alblawi, M. Malik, S. Nadeem, and N. Abbas, "Buongiorno’s Nanofluid Model over a Curved Exponentially Stretching Surface," *Processes,* vol. 7, no. 10, pp. 665-665, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:8Xgff_V0N9gC>.

[201] S. Akram, E. H. Aly, F. Afzal, and S. Nadeem, "Effect of the variable viscosity on the peristaltic flow of Newtonian fluid coated with magnetic field: application of adomian decomposition method for endoscope," *Coatings,* vol. 9, no. 8, pp. 524-524, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:UmS_249rOGwC>.

[202] Z. Ahmed, S. Nadeem, S. Saleem, and R. Ellahi, "Numerical study of unsteady flow and heat transfer CNT-based MHD nanofluid with variable viscosity over a permeable shrinking surface," *International Journal of Numerical Methods for Heat & Fluid Flow,* 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:DyXnQzXoVgIC>.

[203] Z. Ahmed and S. Nadeem, "Flow of a micropolar CNT-based nanofluid across a squeezing channel," *Physica Scripta,* vol. 94, no. 10, pp. 105203-105203, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:PkcyUWeTMh0C>.

[204] Z. Ahmed, A. Al-Qahtani, S. Nadeem, and S. Saleem, "Computational Study of MHD Nanofluid Flow Possessing Micro-Rotational Inertia over a Curved Surface with Variable Thermophysical Properties," *Processes,* vol. 7, no. 6, pp. 387-387, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:Xl6nMSl579sC>.

[205] S. Ahmad, S. Nadeem, and N. Muhammad, "Boundary Layer Flow over a Curved Surface Imbedded in Porous Medium," *Communications in Theoretical Physics,* vol. 71, no. 3, pp. 344-344, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:UuEBAcK4md4C>.

[206] N. Abbas, M. Malik, and S. Nadeem, "Corrigendum to “Transportation of magnetized micropolar hybrid nanomaterial fluid flow over a Riga curface surface”[Comput Meth Prog Bio 185 (2020) 105,136]," *Computer Methods and Programs in Biomedicine,* vol. 105251, 2019. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:YB4bud6kWLwC>.

[207] H. Vaidya, K. Prasad, K. Vajravelu, C. Ng, S. Nadeem, and U. Vishwanatha, *The Effects of Thermocapillarity on the Thin Film Flow of MHD UCM Fluid over an Unsteady Elastic Surface with Convective Boundary Conditions*. 2018.

[208] S. Saleem, M. Al-Qarni, S. Nadeem, and N. Sandeep, "Convective Heat and Mass Transfer in Magneto Jeffrey Fluid Flow on a Rotating Cone with Heat Source and Chemical Reaction," *Communications in Theoretical Physics,* vol. 70, no. 5, pp. 534-534, 2018. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:EPG8bYD4jVwC>.

[209] A. Saleem, S. Waheed, and S. Nadeem, "Bifurcation Analysis for Physiological Flow of a Nanofluid: Application of Biomechanics," *Current Nanoscience,* vol. 14, no. 6, pp. 481-502, 2018. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:DkZNVXde3BIC>.

[210] H. Sadaf, M. Akbar, and S. Nadeem, "Induced magnetic field analysis for the peristaltic transport of non-Newtonian nanofluid in an annulus," *Mathematics and Computers in Simulation,* vol. 148, pp. 16-36, 2018. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:mKu_rENv82IC>.

[211] F. U. Rehman and S. Nadeem, "Heat transfer analysis for three-dimensional stagnation-point flow of water-based nanofluid over an exponentially stretching surface," *Journal of Heat Transfer,* vol. 140, no. 5, 2018. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:-95Q15plzcUC>.

[212] F. Rehman, S. Nadeem, H. Rehman, and R. Haq, "Thermophysical analysis for three-dimensional MHD stagnation-point flow of nano-material influenced by an exponential stretching surface," *Results in physics,* vol. 8, pp. 316-323, 2018. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:HGTzPopzzJcC>.

[213] M. Rashid, I. Shahzadi, and S. Nadeem, "Corrugated walls analysis in microchannels through porous medium under Electromagnetohydrodynamic (EMHD) effects," *Results in Physics,* vol. 9, pp. 171-182, 2018. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:ce2CqMG-AY4C>.

[214] S. Nadeem, S. Ahmad, and N. Muhammad, "Computational study of Falkner-Skan problem for a static and moving wedge," *Sensors and Actuators B: Chemical,* vol. 263, pp. 69-76, 2018. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:RoXSNcbkSzsC>.

[215] S. Nadeem, N. Abbas, and A. Khan, "Characteristics of three dimensional stagnation point flow of Hybrid nanofluid past a circular cylinder," *Results in physics,* vol. 8, pp. 829-835, 2018. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:sszUF3NjhM4C>.

[216] N. Muhammad, S. Nadeem, and M. Mustafa, "Analysis of ferrite nanoparticles in the flow of ferromagnetic nanofluid," *PloS one,* vol. 13, no. 1, 2018. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:U_HPUtbDl20C>.

[217] R. Mehmood, S. Rana, and S. Nadeem, "Transverse thermopherotic MHD Oldroyd-B fluid with Newtonian heating," *Results in physics,* vol. 8, pp. 686-693, 2018. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:-jrNzM816MMC>.

[218] R. Mehmood, S. Rana, N. Akbar, and S. Nadeem, "Non-aligned stagnation point flow of radiating Casson fluid over a stretching surface," *Alexandria Engineering Journal,* vol. 57, no. 2, pp. 939-946, 2018. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:WHdLCjDvYFkC>.

[219] N. Irshad, A. Saleem, S. Nadeem, and I. Shahzadi, "Endoscopic Analysis of Wave Propagation with Ag-nanoparticles in Curved Tube Having Permeable Walls," *Current Nanoscience,* vol. 14, no. 5, pp. 384-402, 2018. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:3bvyWxjaHKcC>.

[220] S. Ijaz and S. Nadeem, "Shape factor and sphericity features examination of Cu and Cu-Al2O3/blood through atherosclerotic artery under the impact of wall characteristic," *Journal of Molecular Liquids,* vol. 271, pp. 361-372, 2018. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:mUJArPsKIAAC>.

[221] S. Ijaz and S. Nadeem, "Consequences of blood mediated nano transportation as drug agent to attenuate the atherosclerotic lesions with permeability impacts," *Journal of Molecular Liquids,* vol. 262, pp. 565-575, 2018. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:uVUOdF_882EC>.

[222] S. Ijaz and S. Nadeem, "Transportation of nanoparticles investigation as a drug agent to attenuate the atherosclerotic lesion under the wall properties impact," *Chaos, Solitons & Fractals,* vol. 112, pp. 52-65, 2018. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:pAkWuXOU-OoC>.

[223] S. Ijaz, Z. Iqbal, E. Maraj, and S. Nadeem, "Investigation of Cu-CuO/blood mediated transportation in stenosed artery with unique features for theoretical outcomes of hemodynamics," *Journal of Molecular Liquids,* vol. 254, pp. 421-432, 2018. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:kWvqk_afx_IC>.

[224] A. Hussain, L. Sarwar, S. Nadeem, S. Akbar, and S. Jamal, "Inquisition of combined effects of radiation and MHD on elastico-viscous fluid flow past a pervious plate," *Journal of the Brazilian Society of Mechanical Sciences and Engineering 40 …,* 2018. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:FiDNX6EVdGUC>.

[225] T. Hayat, S. Nadeem, and A. Khan, "Rotating flow of Ag-CuO/H2O hybrid nanofluid with radiation and partial slip boundary effects," *The European Physical Journal E,* vol. 41, no. 6, pp. 75-75, 2018. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:HhcuHIWmDEUC>.

[226] T. Hayat and S. Nadeem, "An optimal solution of Cattaneo–Christov heat flux model and chemical processes for 3D flow of Eyring–Powell fluid," *Journal of the Brazilian Society of Mechanical Sciences and Engineering 40 …,* 2018. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:An6A6Jpfc1oC>.

[227] T. Hayat and S. Nadeem, "An improvement in heat transfer for rotating flow of hybrid nanofluid: a numerical study," *Canadian Journal of Physics,* vol. 96, no. 12, pp. 1420-1430, 2018. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:WAzi4Gm8nLoC>.

[228] T. Hayat and S. Nadeem, "Flow of 3D Eyring-Powell fluid by utilizing Cattaneo-Christov heat flux model and chemical processes over an exponentially stretching surface," *Results in physics,* vol. 8, pp. 397-403, 2018. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:QyXJ3EUuO1IC>.

[229] S. Akram, M. Zafar, and S. Nadeem, "Peristaltic transport of a Jeffrey fluid with double-diffusive convection in nanofluids in the presence of inclined magnetic field," *International Journal of Geometric Methods in Modern Physics,* vol. 15, no. 11, pp. 1850181-1850181, 2018. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:w1MjKQ0l0TYC>.

[230] N. Abbas, S. Saleem, S. Nadeem, A. Alderremy, and A. Khan, "On stagnation point flow of a micro polar nanofluid past a circular cylinder with velocity and thermal slip," *Results in Physics,* vol. 9, pp. 1224-1232, 2018. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:O0nohqN1r9EC>.

[231] R. Tabassum, R. Mehmood, and S. Nadeem, "Impact of viscosity variation and micro rotation on oblique transport of Cu-water fluid," *Journal of colloid and interface science,* vol. 501, pp. 304-310, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:CB2v5VPnA5kC>.

[232] M. Subhani and S. Nadeem, "Numerical analysis of 3D micropolar nanofluid flow induced by an exponentially stretching surface embedded in a porous medium," *The European Physical Journal Plus,* vol. 132, no. 10, pp. 441-441, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:1Ye0OR6EYb4C>.

[233] I. Shahzadi, H. Sadaf, S. Nadeem, and A. Saleem, "Bio-mathematical analysis for the peristaltic flow of single wall carbon nanotubes under the impact of variable viscosity and wall properties," *Computer Methods and Programs in Biomedicine,* vol. 139, pp. 137-147, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:U4n9YNQMCAIC>.

[234] I. Shahzadi, S. Nadeem, and F. Rabiei, *Simultaneous effects of single wall carbon nanotube and effective*. 2017.

[235] I. Shahzadi, S. Nadeem, and F. Rabiei, "Simultaneous effects of single wall carbon nanotube and effective variable viscosity for peristaltic flow through annulus having permeable walls," *Results in Physics,* vol. 7, pp. 667-676, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:1taIhTC69MYC>.

[236] I. Shahzadi and S. Nadeem, "Stimulation of metallic nanoparticles under the impact of radial magnetic field through eccentric cylinders: a useful application in biomedicine," *Journal of Molecular Liquids,* vol. 225, pp. 365-381, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:LdasjJ6CEcoC>.

[237] I. Shahzadi and S. Nadeem, "Role of inclined magnetic field and copper nanoparticles on peristaltic flow of nanofluid through inclined annulus: application of the clot model," *Communications in Theoretical Physics,* vol. 67, no. 6, pp. 704-704, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:6bLC7aUMtPcC>.

[238] I. Shahzadi and S. Nadeem, "Impinging of metallic nanoparticles along with the slip effects through a porous medium with MHD," *Journal of the Brazilian Society of Mechanical Sciences and Engineering 39 …,* 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:sA9dB-pw3HoC>.

[239] I. Shahzadi and S. Nadeem, "Inclined magnetic field analysis for metallic nanoparticles submerged in blood with convective boundary condition," *Journal of Molecular Liquids,* vol. 230, pp. 61-73, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:7BrZ7Jt4UNcC>.

[240] A. Shaheen and S. Nadeem, *Metachronal wave analysis for non-Newtonian fluid inside*. 2017.

[241] A. Shaheen and S. Nadeem, "Metachronal wave analysis for non-Newtonian fluid inside a symmetrical channel with ciliated walls," *Results in physics,* vol. 7, pp. 1536-1549, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:7H_MAutzIkAC>.

[242] A. Shaheen and S. Nadeem, "Metachronal wave analysis for non-Newtonian fluid under thermophoresis and Brownian motion effects," *Results in physics,* vol. 7, pp. 2950-2957, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:WC9gN4BGCRcC>.

[243] I. Shagufta and S. Nadeem, "Speculative study of metallic nanoparticles through stenosed artery with hematocrit," *Walailak Journal of Science and Technology (WJST),* vol. 15, no. 2, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:j7_hQOaDUrUC>.

[244] S. Saleem, S. Nadeem, and N. Sandeep, "A mathematical analysis of time dependent flow on a rotating cone in a rheological fluid," *Propulsion and Power Research,* vol. 6, no. 3, pp. 233-241, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:SjuI4pbJlxcC>.

[245] S. Saleem, M. Awais, S. Nadeem, N. Sandeep, and M. Mustafa, "Theoretical analysis of upper-convected Maxwell fluid flow with Cattaneo–Christov heat flux model," *Chinese journal of physics,* vol. 55, no. 4, pp. 1615-1625, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:owLR8QvbtFgC>.

[246] H. Sadaf and S. Nadeem, "Analysis of Combined Convective and Viscous Dissipation Effects for Peristaltic Flow of Rabinowitsch Fluid Model," *Journal of Bionic Engineering,* vol. 14, no. 1, pp. 182-190, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:nRpfm8aw39MC>.

[247] H. Sadaf, M. Akbar, and S. Nadeem, "Permeability conditions for the physiological viscous nanofluid: endoscopic analysis for uniform and non-uniform tubes," *Journal of the Brazilian Society of Mechanical Sciences and Engineering 39 …,* 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:XUvXOeBm_78C>.

[248] F. Rehman, S. Nadeem, and R. Haq, "Heat transfer analysis for three-dimensional stagnation-point flow over an exponentially stretching surface," *Chinese journal of physics,* vol. 55, no. 4, pp. 1552-1560, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:L1USKYWJimsC>.

[249] A. Rehman, R. Mehmood, S. Nadeem, N. Akbar, and S. Motsa, "Effects of single and multi-walled carbon nano tubes on water and engine oil based rotating fluids with internal heating," *Advanced Powder Technology,* vol. 28, no. 9, pp. 1991-2002, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:jU7OWUQzBzMC>.

[250] A. Rehman, R. Mehmood, and S. Nadeem, "Entropy analysis of radioactive rotating nanofluid with thermal slip," *Applied Thermal Engineering,* vol. 112, pp. 832-840, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:kVjdVfd2voEC>.

[251] M. Ramzan, J. Chung, and N. Ullah, "Partial slip effect in the flow of MHD micropolar nanofluid flow due to a rotating disk–A numerical approach," *Results in physics,* vol. 7, pp. 3557-3566, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:TlpoogIpr_IC>.

[252] S. Nadeem, N. Ullah, A. Khan, and T. Akbar, "Effect of homogeneous-heterogeneous reactions on ferrofluid in the presence of magnetic dipole along a stretching cylinder," *Results in physics,* vol. 7, pp. 3574-3582, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:Ade32sEp0pkC>.

[253] S. Nadeem and H. Sadaf, "Exploration of single wall carbon nanotubes for the peristaltic motion in a curved channel with variable viscosity," *Journal of the Brazilian Society of Mechanical Sciences and Engineering 39 …,* 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:1lhNe0rCu4AC>.

[254] S. Nadeem, I. Raishad, N. Muhammad, and M. Mustafa, "Mathematical analysis of ferromagnetic fluid embedded in a porous medium," *Results in physics,* vol. 7, pp. 2361-2368, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:3NQIlFlcGxIC>.

[255] S. Nadeem, A. Khan, and S. Hussain, "Model based study of SWCNT and MWCNT thermal conductivities effect on the heat transfer due to the oscillating wall conditions," *International Journal of Hydrogen Energy,* vol. 42, no. 48, pp. 28945-28957, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:Dem6FJhTUoYC>.

[256] S. Nadeem, S. Ahmad, N. Muhammad, and M. Mustafa, "Chemically reactive species in the flow of a Maxwell fluid," *Results in physics,* vol. 7, pp. 2607-2613, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:-mN3Mh-tlDkC>.

[257] S. Nadeem, S. Ahmad, and N. Muhammad, "Cattaneo-Christov flux in the flow of a viscoelastic fluid in the presence of Newtonian heating," *Journal of Molecular Liquids,* vol. 237, pp. 180-184, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:PYBJJbyH-FwC>.

[258] S. Nadeem, "Impinging of metallic nanoparticles along with the slip effects through a porous medium with MHD," *Journal of the Brazilian Society of Mechanical Sciences and Engineering 39 …,* 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:7wO8s98CvbsC>.

[259] N. Muhammad, S. Nadeem, and T. Mustafa, *Squeezed flow of a nanofluid with Cattaneo–Christov heat and mass*. 2017.

[260] N. Muhammad, S. Nadeem, and T. Mustafa, "Squeezed flow of a nanofluid with Cattaneo–Christov heat and mass fluxes," *Results in Physics,* vol. 7, pp. 862-869, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:kw52XkFRtyQC>.

[261] N. Muhammad, S. Nadeem, and R. Haq, "Heat transport phenomenon in the ferromagnetic fluid over a stretching sheet with thermal stratification," *Results in physics,* vol. 7, pp. 854-861, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:MhiOAD_qIWkC>.

[262] N. Muhammad and S. Nadeem, "Ferrite nanoparticles Ni-ZnFe2O4, Mn-ZnFe2O4 and Fe2O4 in the flow of ferromagnetic nanofluid," *The European Physical Journal Plus,* vol. 132, no. 9, pp. 377-377, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:rHJHxKgnXwkC>.

[263] R. Mehmood, S. Nadeem, S. Saleem, and N. Akbar, "Flow and heat transfer analysis of Jeffery nano fluid impinging obliquely over a stretched plate," *Journal of the Taiwan Institute of Chemical Engineers,* vol. 74, pp. 49-58, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:wKETBy42zhYC>.

[264] C. Lee and S. Nadeem, "Numerical study of non-Newtonian fluid flow over an exponentially stretching surface: an optimal HAM validation," *Journal of the Brazilian Society of Mechanical Sciences and Engineering 39 …,* 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:7Hz3ACDFbsoC>.

[265] S. Ijaz, I. Shahzadi, S. Nadeem, and A. Saleem, "A Clot Model Examination: with Impulsion of Nanoparticles under Influence of Variable Viscosity and Slip Effects," *Communications in Theoretical Physics,* vol. 68, no. 5, pp. 667-667, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:jFemdcug13IC>.

[266] S. Ijaz and S. Nadeem, "A balloon model examination with impulsion of Cu-nanoparticles as drug agent through stenosed tapered elastic artery," *Journal of Applied Fluid Mechanics,* vol. 10, no. 6, pp. 1773-1783, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:6_hjMsCP8ZoC>.

[267] S. Ijaz and S. Nadeem, "A biomedical solicitation examination of nanoparticles as drug agents to minimize the hemodynamics of a stenotic channel," *The European Physical Journal Plus,* vol. 132, no. 11, pp. 448-448, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:KaMxkj08jr0C>.

[268] S. Ijaz and S. Nadeem, "Biomedical theoretical investigation of blood mediated nanoparticles (Ag-Al2O3/blood) impact on hemodynamics of overlapped stenotic artery," *Journal of Molecular Liquids,* vol. 248, pp. 809-821, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:AXkvAH5U_nMC>.

[269] S. Hussain, R. Haq, N. Noor, and S. Nadeem, "Non-linear radiation effects in mixed convection stagnation point flow along a vertically stretching surface," *International Journal of Chemical Reactor Engineering,* vol. 15, no. 1, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:AHdEip9mkN0C>.

[270] T. Hayat and S. Nadeem, "Aspects of developed heat and mass flux models on 3D flow of Eyring-Powell fluid," *Results in physics,* vol. 7, pp. 3910-3917, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:q-HalDI95KYC>.

[271] T. Hayat and S. Nadeem, "Heat transfer enhancement with Ag–CuO/water hybrid nanofluid," *Results in physics,* vol. 7, pp. 2317-2324, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:1yWc8FF-_SYC>.

[272] D. Babu *et al.*, "MHD mass transfer flow of an Eyring-Powell fluid over a stretching sheet," presented at the Materials Science and Engineering Conference Series, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:RtRctb2lSbAC>.

[273] S. Akram and S. Nadeem, "Influence of nanoparticles phenomena on the peristaltic flow of pseudoplastic fluid in an inclined asymmetric channel with different wave forms," *Iranian Journal of Chemistry and Chemical Engineering (IJCCE),* vol. 36, no. 2, pp. 107-124, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:LPtt_HFRSbwC>.

[274] N. Akbar and S. Nadeem, "Double-diffusive natural convective peristaltic Prandtl flow in a porous channel saturated with a nanofluid," *Heat Transfer Research,* vol. 48, no. 4, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:zCSUwVk65WsC>.

[275] A. Ahmed and S. Nadeem, "Shape effect of Cu-nanoparticles in unsteady flow through curved artery with catheterized stenosis," *Results in physics,* vol. 7, pp. 677-689, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:FiytvqdAVhgC>.

[276] A. Ahmed and S. Nadeem, "Biomathematical study of time-dependent flow of a Carreau nanofluid through inclined catheterized arteries with overlapping stenosis," *Journal of Central South University,* vol. 24, no. 11, pp. 2725-2744, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:MAUkC_7iAq8C>.

[277] A. Ahmed and S. Nadeem, "Effects of magnetohydrodynamics and hybrid nanoparticles on a micropolar fluid with 6-types of stenosis," *Results in physics,* vol. 7, pp. 4130-4139, 2017. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:jE2MZjpN3IcC>.

[278] X. Zha, I. Ahmed, and Y. Zhang, "3-Uniform states and orthogonal arrays," *Results in physics,* vol. 6, pp. 26-28, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:9c2xU6iGI7YC>.

[279] I. Shahzadi and S. Nadeem, "Impact of curvature on the mixed convective peristaltic flow of shear thinning fluid with nanoparticles," *Canadian Journal of Physics,* vol. 94, no. 12, pp. 1319-1330, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:ubry08Y2EpUC>.

[280] A. Shaheen, S. Hussain, and S. Nadeem, "Physiological Flow of Jeffrey Six Constant Fluid Model due to Ciliary Motion," *Communications in Theoretical Physics,* vol. 66, no. 6, pp. 701-708, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:PaBasH6fAo0C>.

[281] R. Satti, S. Rehman, C. Lee, and S. Nadeem, "Numerical study of non‑Newtonian fluid flow over an exponentially stretching surface: an optimal HAM validation," *Bahria University Islamabad Campus,* 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:zdjWy_NXXwUC>.

[282] R. Satti, S. Hussain, N. Noor, and S. Nadeem, "Non-linear radiation effects in mixed convection stagnation point flow along a vertically stretching surface," *Bahria University Islamabad Campus,* 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:PyEswDtIyv0C>.

[283] R. Satti, S. Hussain, Z. Khan, and S. Nadeem, "Water Driven Flow of Carbon nanofluid nanotubes in a rotating channel," *Bahria University Islamabad Campus,* 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:NDuN12AVoxsC>.

[284] S. Saleem, S. Nadeem, and M. Awais, "Time-Dependent Second-Order Viscoelastic Fluid Flow on Rotating Cone with Heat Generation and Chemical Reaction," *Journal of Aerospace Engineering,* vol. 29, no. 4, pp. 4016009-4016009, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:5icHVeHT4IsC>.

[285] H. Sadaf and S. Nadeem, "Influences of slip and Cu-blood nanofluid in a physiological study of cilia," *Computer Methods and Programs in Biomedicine,* vol. 131, pp. 169-180, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:PVgj2kMGcgYC>.

[286] A. Rehman, S. Achakzia, S. Nadeem, and S. Iqbal, "Stagnation point flow of Eyring Powell fluid in a vertical cylinder with heat transfer," *Journal of Power Technologies,* vol. 96, no. 1, pp. 57-62, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:BJbdYPG6LGMC>.

[287] S. Rahman, R. Ellahi, S. Nadeem, and Q. Zia, "Simultaneous effects of nanoparticles and slip on Jeffrey fluid through tapered artery with mild stenosis," *Journal of Molecular Liquids,* vol. 218, pp. 484-493, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:Ak0FvsSvgGUC>.

[288] S. Nadeem and I. Shahzadi, "Inspiration of induced magnetic field on nano hyperbolic tangent fluid in a curved channel," *AIP Advances,* vol. 6, no. 1, pp. 15110-15110, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:tH6gc1N1XXoC>.

[289] S. Nadeem and H. Sadaf, "Hypothetical analysis for peristaltic transport of metallic nanoparticles in an inclined annulus with variable viscosity," *Bulletin of the Polish Academy of Sciences Technical Sciences,* vol. 64, no. 2, pp. 447-454, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:buQ7SEKw-1sC>.

[290] S. Nadeem and H. Sadaf, "Ciliary motion phenomenon of viscous nanofluid in a curved channel with wall properties," *The European Physical Journal Plus,* vol. 131, no. 3, pp. 65-65, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:6yz0xqPARnAC>.

[291] S. Nadeem, A. Rehman, and R. Mehmood, "Boundary layer flow of rotating two phase nanofluid over a stretching surface," *Heat Transfer—Asian Research,* vol. 45, no. 3, pp. 285-298, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:bz8QjSJIRt4C>.

[292] S. Nadeem, A. Munim, A. Shaheen, and S. Hussain, "Physiological flow of Carreau fluid due to ciliary motion," *AIP Advances,* vol. 6, no. 3, pp. 35125-35125, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:NyGDZy8z5eUC>.

[293] S. Nadeem and N. Muhammad, "Impact of stratification and Cattaneo-Christov heat flux in the flow saturated with porous medium," *Journal of Molecular Liquids,* vol. 224, pp. 423-430, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:43bX7VzcjpAC>.

[294] S. Nadeem and C. Lee, "Series solution of magneto-hydrodynamic boundary layer flow over bi-directional exponentially stretching surfaces," *Journal of the Brazilian Society of Mechanical Sciences and Engineering 38 …,* 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:yFnVuubrUp4C>.

[295] S. Nadeem, A. Khan, and S. Saleem, "A comparative analysis on different nanofluid models for the oscillatory stagnation point flow," *The European Physical Journal Plus,* vol. 131, no. 8, pp. 261-261, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:ALROH1vI_8AC>.

[296] S. Nadeem and S. Ijaz, "Theoretical Analysis of Shear Thinning Hyperbolic Tangent Fluid Model for Blood Flow in Curved Artery with Stenosis," *Journal of Applied Fluid Mechanics,* vol. 9, no. 5, pp. 2217-2227, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:jgBuDB5drN8C>.

[297] S. Nadeem and S. IJAZ, "Mechanics of biological blood flow analysis through curved artery with stenosis," *Journal of Mechanics in Medicine and Biology,* vol. 16, no. 3, pp. 1650024-1650024, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:LhH-TYMQEocC>.

[298] S. Nadeem and S. Ijaz, "Theoretical examination of nanoparticles as a drug carrier with slip effects on the wall of stenosed arteries," *International Journal of Heat and Mass Transfer,* vol. 93, pp. 1137-1149, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:lvd772isFD0C>.

[299] S. Nadeem and S. Ijaz, "Impulsion of nanoparticles as a drug carrier for the theoretical investigation of stenosed arteries with induced magnetic effects," *Journal of Magnetism and Magnetic Materials,* vol. 410, pp. 230-241, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:Bg7qf7VwUHIC>.

[300] S. Nadeem and S. Hussain, "Analysis of MHD Williamson Nano Fluid Flow over a Heated Surface," *Journal of Applied Fluid Mechanics,* vol. 9, no. 2, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:a3BOlSfXSfwC>.

[301] S. Nadeem, Z. Ahmed, and S. Saleem, "The Effect of Variable Viscosities on Micropolar Flow of Two Nanofluids," *Zeitschrift für Naturforschung A,* vol. 71, no. 12, pp. 1121-1129, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:MpfHP-DdYjUC>.

[302] S. Nadeem, "Single wall carbon nanotube (SWCNT) analysis on peristaltic flow in an inclined tube with permeable walls," *International Journal of Heat and Mass Transfer,* vol. 97, pp. 794-802, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:4X0JR2_MtJMC>.

[303] R. Mehmood, S. Nadeem, and S. Masood, "Effects of transverse magnetic field on a rotating micropolar fluid between parallel plates with heat transfer," *Journal of Magnetism and Magnetic Materials,* vol. 401, pp. 1006-1014, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:_OXeSy2IsFwC>.

[304] R. Mehmood, S. Nadeem, and N. Akbar, "Non-aligned ethylene-glycol 30% based stagnation point fluid over a stretching surface with hematite nano particles," *J Appl Fluid Mech,* vol. 9, no. 3, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:QD3KBmkZPeQC>.

[305] E. Maraj and S. Nadeem, "Theoretical analysis of entropy generation in peristaltic transport of nanofluid in an asymmetric channel," *International Journal of Exergy,* vol. 20, no. 3, pp. 294-317, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:48xauSegjOkC>.

[306] A. Khan, S. Nadeem, and S. Hussain, "Phase flow study of MHD nanofluid with slip effects on oscillatory oblique stagnation point flow in view of inclined magnetic field," *Journal of Molecular Liquids,* vol. 224, pp. 1210-1219, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:v1_lew4L6wgC>.

[307] S. Ijaz and S. Nadeem, "Slip examination on the wall of tapered stenosed artery with emerging application of nanoparticles," *International Journal of Thermal Sciences,* vol. 109, pp. 401-412, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:wMgC3FpKEyYC>.

[308] S. Ijaz and S. Nadeem, "Examination of nanoparticles as a drug carrier on blood flow through catheterized composite stenosed artery with permeable walls," *Computer Methods and Programs in Biomedicine,* vol. 133, pp. 83-94, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:jL-93Qbq4QoC>.

[309] S. Hussain, S. Nadeem, and M. Qasim, "Impact of linear operator on the convergence of HAM solution: a modified operator approach," *Advances in Applied Mathematics and Mechanics,* vol. 8, no. 3, pp. 499-516, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:sJsF-0ZLhtgC>.

[310] S. Hussain, Z. Khan, and S. Nadeem, "Water driven flow of carbon nanotubes in a rotating channel," *Journal of Molecular Liquids,* vol. 214, pp. 136-144, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:gVv57TyPmFsC>.

[311] T. Hayat and S. Nadeem, "Induced magnetic field stagnation point flow of nanofluid past convectively heated stretching sheet with Buoyancy effects," *Chinese Physics B,* vol. 25, no. 11, pp. 114701-114701, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:cK4Rrx0J3m0C>.

[312] N. Akbar, S. Nadeem, and K. Mekheimer, "Rheological properties of Reiner-Rivlin fluid model for blood flow through tapered artery with stenosis," *Journal of the Egyptian Mathematical Society,* vol. 24, no. 1, pp. 138-142, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:QYdC8u9Cj1oC>.

[313] N. Akbar and S. Nadeem, "Nanoparticle fraction for Jeffrey fluid model in an annulus," *Heat Transfer Research,* vol. 47, pp. 707-720, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:L_l9e5I586QC>.

[314] N. Akbar and S. Nadeem, "NANOPARTICLE FRACTION IN AN ANNULUS IN THE JEFFREY FLUID MODEL," *Heat Transfer Research,* vol. 47, no. 8, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:lgwcVrK6X84C>.

[315] N. Akbar and S. Nadeem, "Double-diffusive natural convective boundary-layer flow of a nanofluid over a stretching sheet with magnetic field," *International Journal of Numerical Methods for Heat & Fluid Flow,* 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:ZzlSgRqYykMC>.

[316] N. Akbar, Z. Khan, and S. Nadeem, "Influence of magnetic field and slip on Jeffrey fluid in a ciliated symmetric channel with metachronal wave pattern," *J Appl Fluid Mech,* vol. 9, no. 2, pp. 565-572, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:0CzhzZyukY4C>.

[317] J. Ahmed, A. Begum, A. Shahzad, and R. Ali, "MHD axisymmetric flow of power-law fluid over an unsteady stretching sheet with convective boundary conditions," *Results in Physics,* vol. 6, pp. 973-981, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:27LrP4qxOz0C>.

[318] A. Ahmed and S. Nadeem, "The study of (Cu, TiO 2, Al 2 O 3) nanoparticles as antimicrobials of blood flow through diseased arteries," *Journal of Molecular Liquids,* vol. 216, pp. 615-623, 2016. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:LgRImbQfgY4C>.

[319] I. Zehra, M. Yousaf, and S. Nadeem, "Numerical solutions of Williamson fluid with pressure dependent viscosity," *Results in Physics,* vol. 5, pp. 20-25, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:sNmaIFBj_lkC>.

[320] S. SALEEM and S. NADEEM, "Theoretical analysis of slip flow on a rotating cone with viscous dissipation effects," *Journal of Hydrodynamics, Ser. B,* vol. 27, no. 4, pp. 616-623, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:nZcligLrVowC>.

[321] M. Sadiq and S. Nadeem, "Unsteady MHD Boundary Layer Flow of a Couple Stress Nano Fluid Over a Stretching/Shrinking Surface with Convective Boundary Condition," *Journal of Computational and Theoretical Nanoscience,* vol. 12, no. 11, pp. 4408-4414, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:uDGL6kOW6j0C>.

[322] A. Riaz, S. Nadeem, and R. Ellahi, "Effects of the wall properties on unsteady peristaltic flow of an Eyring–Powell fluid in a three-dimensional rectangular duct," *International Journal of Biomathematics,* vol. 8, no. 6, pp. 1550081-1550081, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:OP4eGU-M3BUC>.

[323] A. Rehman, S. Nadeem, S. Iqbal, M. Malik, and M. Naseer, "Nanoparticle effect over the boundary layer flow over an exponentially stretching cylinder," presented at the Proceedings of the Institution of Mechanical Engineers, Part N: Journal of …, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:KUbvn5osdkgC>.

[324] N. Noor, R. Haq, S. Nadeem, and I. Hashim, "Mixed convection stagnation flow of a micropolar nanofluid along a vertically stretching surface with slip effects," *Meccanica,* vol. 50, no. 8, pp. 2007-2022, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:bKqednn6t2AC>.

[325] S. Nadeem and I. Shahzadi, "Mathematical Analysis for Peristaltic Flow of Two Phase Nanofluid in a Curved Channel," *Communications in Theoretical Physics,* vol. 64, no. 5, pp. 547-547, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:fbc8zXXH2BUC>.

[326] S. Nadeem, A. Shaheen, and S. Hussain, "Physiological breakdown of Jeffrey six constant nanofluid flow in an endoscope with nonuniform wall," *AIP Advances,* vol. 5, no. 12, pp. 127143-127143, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:nVrZBo8bIpAC>.

[327] S. Nadeem and S. Saleem, "An optimized study of mixed convection flow of a rotating Jeffrey nanofluid on a rotating vertical cone," *Journal of Computational and Theoretical Nanoscience,* vol. 12, no. 10, pp. 3028-3035, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:dBIO0h50nwkC>.

[328] S. Nadeem and S. Saleem, "Series solution of unsteady Eyring Powell nanofluid flow on a rotating cone," *Indian Journal of Pure & Applied Physics (IJPAP),* vol. 52, no. 11, pp. 725-737, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:8d8msizDQcsC>.

[329] S. Nadeem and S. Saleem, "Analytical study of third grade fluid over a rotating vertical cone in the presence of nanoparticles," *International Journal of Heat and Mass Transfer,* vol. 85, pp. 1041-1048, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:cWzG1nlazyYC>.

[330] S. Nadeem, H. Sadaf, and N. Akbar, "Effects of nanoparticles on the peristaltic motion of tangent hyperbolic fluid model in an annulus," *Alexandria Engineering Journal,* vol. 54, no. 4, pp. 843-851, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:F9fV5C73w3QC>.

[331] S. Nadeem and H. Sadaf, "Metachronal wave of cilia transport in a curved channel," *Zeitschrift für Naturforschung A,* vol. 70, no. 1, pp. 33-38, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:WJVC3Jt7v1AC>.

[332] S. Nadeem and H. Sadaf, "Trapping study of nanofluids in an annulus with cilia," *AIP Advances,* vol. 5, no. 12, pp. 127204-127204, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:5MTHONV0fEkC>.

[333] S. Nadeem and H. Sadaf, "Theoretical analysis of Cu-blood nanofluid for metachronal wave of cilia motion in a curved channel," *IEEE transactions on nanobioscience,* vol. 14, no. 4, pp. 447-454, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:IUKN3-7HHlwC>.

[334] S. Nadeem, R. Mehmood, and S. Motsa, "Numerical investigation on MHD oblique flow of Walter's B type nano fluid over a convective surface," *International Journal of Thermal Sciences,* vol. 92, pp. 162-172, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:mNrWkgRL2YcC>.

[335] S. Nadeem, R. Mehmood, and N. Akbar, "Oblique Stagnation Point Flow of Carbon Nano Tube Based Fluid Over a Convective Surface," *Journal of Computational and Theoretical Nanoscience,* vol. 12, no. 4, pp. 605-612, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:OcBU2YAGkTUC>.

[336] S. Nadeem, R. Mehmood, and N. Akbar, "Partial slip effect on non-aligned stagnation point nanofluid over a stretching convective surface," *Chinese Physics B,* vol. 24, no. 1, pp. 14702-14702, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:0izLItjtcgwC>.

[337] S. Nadeem, R. Mehmood, and N. Akbar, "Combined effects of magnetic field and partial slip on obliquely striking rheological fluid over a stretching surface," *Journal of magnetism and magnetic materials,* vol. 378, pp. 457-462, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:anf4URPfarAC>.

[338] S. Nadeem, S. Masood, R. Mehmood, and M. Sadiq, "Optimal and numerical solutions for an MHD micropolar nanofluid between rotating horizontal parallel plates," *PloS one,* vol. 10, no. 6, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:HeT0ZceujKMC>.

[339] S. Nadeem and E. Maraj, "Peristaltic Flow of Sutterby Nano Fluid in a Curved Channel with Compliant Walls," *Journal of Computational and Theoretical Nanoscience,* vol. 12, no. 2, pp. 226-233, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:HIFyuExEbWQC>.

[340] S. Nadeem and S. Ijaz, "Biomechanical analysis of copper nanoparticles on blood flow through curved artery with stenosis," *Journal of Computational and Theoretical Nanoscience,* vol. 12, no. 9, pp. 2322-2331, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:8xutWZnSdmoC>.

[341] S. Nadeem and S. Ijaz, "Study of Radially Varying Magnetic Field on Blood Flow through Catheterized Tapered Elastic Artery with Overlapping Stenosis," *Communications in Theoretical Physics,* vol. 64, no. 5, pp. 537-537, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:u-coK7KVo8oC>.

[342] S. Nadeem and S. Ijaz, "Influence of metallic nanoparticles on blood flow through arteries having both stenosis and aneurysm," *IEEE transactions on nanobioscience,* vol. 14, no. 6, pp. 668-679, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:P7Ujq4OLJYoC>.

[343] S. Nadeem and S. Ijaz, "Single wall carbon nanotube (SWCNT) examination on blood flow through a multiple stenosed artery with variable nanofluid viscosity," *AIP Advances,* vol. 5, no. 10, pp. 107217-107217, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:GFxP56DSvIMC>.

[344] S. Nadeem and S. Ijaz, "Theoretical analysis of metallic nanoparticles on blood flow through tapered elastic artery with overlapping stenosis," *NanoBioscience, IEEE Transactions on,* vol. 14, no. 4, pp. 417-428, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:_5tno0g5mFcC>.

[345] S. Nadeem and S. Ijaz, "Theoretical analysis of metallic nanoparticles on blood flow through stenosed artery with permeable walls," *Physics Letters A,* vol. 379, no. 6, pp. 542-554, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:4hFrxpcac9AC>.

[346] S. Nadeem, R. Haq, and C. Lee, "MHD boundary layer flow over an unsteady shrinking sheet: analytical and numerical approach," *Journal of the Brazilian society of Mechanical sciences and Engineering 37 …,* 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:FAceZFleit8C>.

[347] K. Mekheimer *et al.*, "The Unsteady Flow of a Carreau Fluid Through Inclined Catheterized Arteries Having a Balloon with Time-Variant Overlapping Stenosis," *Walailak Journal of Science & Technology,* vol. 12, no. 10, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:BzfGm06jWhQC>.

[348] R. Mehmood, S. Nadeem, and N. Akbar, "Oblique stagnation flow of Jeffery fluid over a stretching convective surface," *International Journal of Numerical Methods for Heat & Fluid Flow,* 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:KbBQZpvPDL4C>.

[349] E. Maraj and S. Nadeem, "Theoretical Analysis for Peristaltic Flow of Sisko Nano Fluid in a Curved Channel with Compliant Walls," *Journal of Computational and Theoretical Nanoscience,* vol. 12, no. 4, pp. 630-636, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:ODE9OILHJdcC>.

[350] E. Maraj and S. Nadeem, "Application of Rabinowitsch Fluid Model for the Mathematical Analysis of Peristaltic Flow in a Curved Channel," *Zeitschrift für Naturforschung A,* vol. 70, no. 7, pp. 513-520, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:yMeIxYmEMEAC>.

[351] E. Maraj, N. Akbar, and S. Nadeem, "Mathematical study for peristaltic flow of Williamson fluid in a curved channel," *International Journal of Biomathematics,* vol. 8, no. 1, pp. 1550005-1550005, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:Ri6SYOTghG4C>.

[352] M. Malik, S. Rehman, and S. Nadeem, "THREE-DIMENSIONAL BOUNDARY-LAYER FLOW OVER AN EXPONENTIALLY STRETCHING SURFACE WITH THERMAL RADIATION," *Heat Transfer Research,* vol. 46, no. 6, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:r_AWSJRzSzQC>.

[353] R. U. Haq, S. Nadeem, Z. Khan, and N. Noor, "MHD squeezed flow of water functionalized metallic nanoparticles over a sensor surface," *PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES,* vol. 73, pp. 45-53, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:nPT8s1NX_-sC>.

[354] R. Haq, S. Nadeem, Z. Khan, and N. Noor, "MHD squeezed flow of water functionalized metallic nanoparticles over a sensor surface," *Physica E: Low-dimensional Systems and Nanostructures,* vol. 73, pp. 45-53, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:3htObqc8RwsC>.

[355] R. Haq, S. Nadeem, Z. Khan, and N. Akbar, "Thermal radiation and slip effects on MHD stagnation point flow of nanofluid over a stretching sheet," *Physica E: Low-dimensional Systems and Nanostructures,* vol. 65, pp. 17-23, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:b1wdh0AR-JQC>.

[356] R. Ellahi, S. Rahman, S. Nadeem, and K. Vafai, "The Blood Flow of Prandtl Fluid Through a Tapered Stenosed Arteries in Permeable Walls with Magnetic Field," *Communications in Theoretical Physics,* vol. 63, no. 3, pp. 353-353, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:HtS1dXgVpQUC>.

[357] S. AKRAM, S. NADEEM, and A. HUSSAIN, "Partial slip consequences on peristaltic transport of Williamson fluid in an asymmetric channel," *Walailak Journal of Science and Technology (WJST),* vol. 12, no. 10, pp. 885-908, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:zLWjf1WUPmwC>.

[358] S. Akram and S. Nadeem, "Effects of partial slip on the peristaltic transport of a hyperbolic tangent fluid model in an asymmetric channel," *Computational Mathematics and Mathematical Physics,* vol. 55, no. 11, pp. 1899-1912, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:Aul-kAQHnToC>.

[359] S. Akram, E. Aly, and S. Nadeem, "Effects of metachronal wave on biomagnetic Jeffery fluid with inclined magnetic field," *Rev. Téc. Ing. Univ. Zulia,* vol. 38, pp. 18-28, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:OR75R8vi5nAC>.

[360] N. Akbar, M. Raza, and R. Ellahi, "Peristaltic flow with thermal conductivity of H2O+ Cu nanofluid and entropy generation," *Results in Physics,* vol. 5, pp. 115-124, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:p__nRnzSRKYC>.

[361] N. Akbar and S. Nadeem, "Mathematical analysis of Phan-Thien–Tanner fluid model for blood in arteries," *International Journal of Biomathematics,* vol. 8, no. 5, pp. 1550064-1550064, 2015. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:DJbcl8HfkQkC>.

[362] S. Saleem, S. Nadeem, and R. Haq, "Buoyancy and metallic particle effects on an unsteady water-based fluid flow along a vertically rotating cone," *The European Physical Journal Plus,* vol. 129, no. 10, pp. 213-213, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:yxmsSjX2EkcC>.

[363] H. Sadaf, S. Nadeem, and N. Akbar, "Analysis of peristaltic flow for a Prandtl fluid model in an endoscope," *Journal of Power Technologies,* vol. 94, no. 2, pp. 95-105, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:Ehil0879vHcC>.

[364] A. Riaz, S. Nadeem, R. Ellahi, and A. Zeeshan, *Exact solution for peristaltic flow of Jeffrey fluid model in a three dimensional rectangular duct having slip at the walls* (Applied Bionics and Biomechanics 11 (1-2)). 2014, pp. 81-90.

[365] A. Riaz, S. Nadeem, R. Ellahi, and N. Akbar, "Series solution of unsteady peristaltic flow of a Carreau fluid in small intestines," *International Journal of Biomathematics,* vol. 7, no. 5, pp. 1450049-1450049, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:vbGhcppDl1QC>.

[366] A. Riaz, S. Nadeem, R. Ellahi, and N. Akbar, "The influence of wall flexibility on unsteady peristaltic flow of Prandtl fluid in a three dimensional rectangular duct," *Applied Mathematics and Computation,* vol. 241, pp. 389-400, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:M7yex6snE4oC>.

[367] A. Riaz, R. Ellahi, and S. Nadeem, "Peristaltic transport of a Carreau fluid in a compliant rectangular duct," *Alexandria Engineering Journal,* vol. 53, no. 2, pp. 475-484, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:ye4kPcJQO24C>.

[368] A. Riaz, "Study of Peristaltic Flows of non-Newtonian Fluids," *International Islamic University, Islamabad Pakistan,* 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:hsZV8lGYWTMC>.

[369] M. Naseer, M. Malik, S. Nadeem, and A. Rehman, "The boundary layer flow of hyperbolic tangent fluid over a vertical exponentially stretching cylinder," *Alexandria engineering journal,* vol. 53, no. 3, pp. 747-750, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:kuK5TVdYjLIC>.

[370] S. Nadeem, B. Tahir, F. Labropulu, and N. Akbar, "Unsteady Oscillatory Stagnation Point Flow of a Jeffrey Fluid," *Journal of Aerospace Engineering,* vol. 27, no. 3, pp. 636-643, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:nrtMV_XWKgEC>.

[371] S. Nadeem and S. Saleem, "Unsteady Mixed Convection Flow of a Rotating Second‐Grade Fluid on a Rotating Cone," *Heat Transfer—Asian Research,* vol. 43, no. 3, pp. 204-220, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:foquWX3nUaYC>.

[372] S. Nadeem and S. Saleem, "Analytical Study of Rotating Non-Newtonian Nanofluid on a Rotating Cone," *Journal of Thermophysics and Heat Transfer,* vol. 28, no. 2, pp. 295-302, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:WZBGuue-350C>.

[373] S. Nadeem and S. Saleem, "Theoretical investigation of MHD nanofluid flow over a rotating cone: an optimal solutions," *Information Sciences Letters,* vol. 3, no. 2, pp. 55-55, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:Z5m8FVwuT1cC>.

[374] S. Nadeem and S. Saleem, "Unsteady mixed convection flow of nanofluid on a rotating cone with magnetic field," *Applied Nanoscience,* vol. 4, no. 4, pp. 405-414, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:hkOj_22Ku90C>.

[375] S. Nadeem and S. Saleem, "Mixed convection flow of Eyring–Powell fluid along a rotating cone," *Results in Physics,* vol. 4, pp. 54-62, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:fFSKOagxvKUC>.

[376] S. Nadeem, M. Sadiq, J. Choi, and C. Lee, "Exponentially Stagnation Point Flow of Non-Newtonian Nanofluid over an Exponentially Stretching Surface," *International Journal of Nonlinear Sciences and Numerical Simulation 15 (3-4 …,* 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:a9-T7VOCCH8C>.

[377] S. Nadeem, H. Sadaf, and M. A. Sadiq, "Analysis of nanoparticles on peristaltic flow of prandtl fluid model in an endoscopy," *Current Nanoscience,* vol. 10, no. 5, pp. 709-721, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:S16KYo8Pm5AC>.

[378] S. Nadeem, A. Riaz, R. Ellahi, N. Akbar, and A. Zeeshan, "Heat and Mass Transfer Analysis of Peristaltic Flow of Nanofluid in a Vertical Rectangular Duct by Using the Optimized Series Solution and Genetic Algorithm," *Journal of Computational and Theoretical Nanoscience,* vol. 11, no. 4, pp. 1133-1149, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:kz9GbA2Ns4gC>.

[379] S. Nadeem, A. Riaz, R. Ellahi, and N. Akbar, "Mathematical model for the peristaltic flow of nanofluid through eccentric tubes comprising porous medium," *Applied Nanoscience,* vol. 4, no. 6, pp. 733-743, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:HbR8gkJAVGIC>.

[380] S. Nadeem, A. Riaz, R. Ellahi, and N. Akbar, "Series solution of unsteady peristaltic flow of a Carreau fluid in eccentric cylinders," *Ain Shams Engineering Journal,* vol. 5, no. 1, pp. 293-304, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:evX43VCCuoAC>.

[381] S. Nadeem, A. Riaz, R. Ellahi, and N. Akbar, "Mathematical model for the peristaltic flow of Jeffrey fluid with nanoparticles phenomenon through a rectangular duct," *Applied Nanoscience,* vol. 4, no. 5, pp. 613-624, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:Y5dfb0dijaUC>.

[382] S. Nadeem, A. Riaz, R. Ellahi, and N. Akbar, "Effects of heat and mass transfer on peristaltic flow of a nanofluid between eccentric cylinders," *Applied Nanoscience,* vol. 4, no. 4, pp. 393-404, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:4fKUyHm3Qg0C>.

[383] S. Nadeem, A. Riaz, and R. Ellahi, "Series Solution of Three Dimensional Peristaltic Flow of Prandtl Fluid in a Rectangular Channel," *J Appl Mech Eng,* vol. 3, no. 139, pp. 2-2, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:9Nmd_mFXekcC>.

[384] S. Nadeem, A. Riaz, and R. Ellahi, "Peristaltic Flow of Viscous Fluid in a Rectangular Duct with Compliant Walls," *Computational Mathematics and Modeling,* vol. 25, no. 3, pp. 404-415, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:URolC5Kub84C>.

[385] S. Nadeem, A. U. Rehman, R. Mehmood, and M. A. Sadiq, "Partial Slip Effects on a Rotating Flow of Two Phase Nano Fluid Over a Stretching Surface," *Current Nanoscience,* vol. 10, no. 6, pp. 846-854, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:9pM33mqn1YgC>.

[386] S. Nadeem, R. Mehmood, and N. Akbar, "Oblique Stagnation Point Flow of a Casson-Nano Fluid Towards a Stretching Surface with Heat Transfer," *Journal of Computational and Theoretical Nanoscience,* vol. 11, no. 6, pp. 1422-1432, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:TIZ-Mc8IlK0C>.

[387] S. Nadeem, R. Mehmood, and N. Akbar, "Optimized analytical solution for oblique flow of a Casson-nano fluid with convective boundary conditions," *International Journal of Thermal Sciences,* vol. 78, pp. 90-100, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:q3oQSFYPqjQC>.

[388] S. Nadeem, E. Maraj, C. Metin, K. Rankin, and Q. Nguyen, "In this paper the potentiality of impact avalanche transit time (IMPATT) devices based on different semiconductor materials such as GaAs, Si, InP, 4H-SiC and Wurtzite-GaN (Wz …," *Applied Nanoscience,* vol. 4, no. 1, pp. 103-112, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:WC23djZS0W4C>.

[389] S. Nadeem, E. Maraj, and N. Akbar, "Theoretical Analysis for Peristaltic Flow of Carreau Nano Fluid in a Curved Channel with Compliant Walls," *Journal of Computational and Theoretical Nanoscience,* vol. 11, no. 6, pp. 1443-1452, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:tKAzc9rXhukC>.

[390] S. Nadeem, E. Maraj, and N. Akbar, "Investigation of peristaltic flow of Williamson nanofluid in a curved channel with compliant walls," *Applied Nanoscience,* vol. 4, no. 5, pp. 511-521, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:dQ2og3OwTAUC>.

[391] S. Nadeem and E. Maraj, "The mathematical analysis for peristaltic flow of nano fluid in a curved channel with compliant walls," *Applied Nanoscience,* vol. 4, no. 1, pp. 85-92, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:SP6oXDckpogC>.

[392] S. Nadeem, S. Ijaz, and M. A. Sadiq, "Inspiration of Induced Magnetic Field on a Blood Flow of Prandtl Nanofluid Model with Stenosis," *Current Nanoscience,* vol. 10, no. 5, pp. 753-765, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:vDijr-p_gm4C>.

[393] S. Nadeem and S. Ijaz, "Nanoparticles analysis on the blood flow through a tapered catheterized elastic artery with overlapping stenosis," *The European Physical Journal Plus,* vol. 129, no. 11, pp. 249-249, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:LO7wyVUgiFcC>.

[394] S. Nadeem and S. Hussain, "Heat transfer analysis of Williamson fluid over exponentially stretching surface," *Applied Mathematics and Mechanics,* vol. 35, no. 4, pp. 489-502, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:hMsQuOkrut0C>.

[395] S. Nadeem and S. Hussain, "Flow and heat transfer analysis of Williamson nanofluid," *Applied Nanoscience,* vol. 4, no. 8, pp. 1005-1012, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:7T2F9Uy0os0C>.

[396] S. Nadeem, R. U. Haq, and Z. Khan, "Heat transfer analysis of water-based nanofluid over an exponentially stretching sheet," *Alexandria Engineering Journal,* vol. 53, no. 1, pp. 219-224, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:1sJd4Hv_s6UC>.

[397] S. Nadeem, R. Haq, and Z. Khan, "Nanofiltration (NF) and reverse osmosis (RO) are well-established processes for desalination of sea and ground water besides treatment of industrial effluents. Pharmaceutical …," *Journal of the Taiwan Institute of Chemical Engineers,* vol. 45, no. 1, pp. 242-248, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:5bg8sr1QxYwC>.

[398] S. Nadeem, R. Haq, and Z. Khan, "Heat transfer analysis of water-based nanofluid over an exponentially stretching sheet, Alexandria Eng," *J,* vol. 53, no. 1, pp. 219-224, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:z6xuaG2dYH0C>.

[399] S. Nadeem, R. Haq, and Z. Khan, "Numerical solution of non-Newtonian nanofluid flow over a stretching sheet," *Applied Nanoscience,* vol. 4, no. 5, pp. 625-631, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:OU6Ihb5iCvQC>.

[400] S. Nadeem, R. Haq, and Z. Khan, "Numerical study of MHD boundary layer flow of a Maxwell fluid past a stretching sheet in the presence of nanoparticles," *Journal of the Taiwan Institute of Chemical Engineers,* vol. 45, no. 1, pp. 121-126, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:lSLTfruPkqcC>.

[401] S. Nadeem, R. Haq, and N. Akbar, "MHD Three-Dimensional Boundary Layer Flow of Casson Nanofluid Past a Linearly Stretching Sheet With Convective Boundary Condition," *IEEE Transactions on Nanotechnology,* vol. 13, pp. 109-115, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:XiSMed-E-HIC>.

[402] S. Nadeem and R. Haq, "Effect of Thermal Radiation for Megnetohydrodynamic Boundary Layer Flow of a Nanofluid Past a Stretching Sheet with Convective Boundary Conditions," *Journal of Computational and Theoretical Nanoscience,* vol. 11, no. 1, pp. 32-40, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:NhqRSupF_l8C>.

[403] E. Maraj, N. Akbar, and S. Nadeem, "Biological analysis of Jeffrey nanofluid in a curved channel with heat dissipation," *IEEE transactions on nanobioscience,* vol. 13, no. 4, pp. 431-437, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:BUYA1_V_uYcC>.

[404] M. Malik, I. Zehra, and S. Nadeem, "Flows of Carreau fluid with pressure dependent viscosity in a variable porous medium: Application of polymer melt," *Alexandria Engineering Journal,* vol. 53, no. 2, pp. 427-435, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:lmc2jWPfTJgC>.

[405] M. Malik, M. Naseer, S. Nadeem, and A. Rehman, "The boundary layer flow of Casson nanofluid over a vertical exponentially stretching cylinder," *Applied Nanoscience,* vol. 4, no. 7, pp. 869-873, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:k8Z6L05lTy4C>.

[406] S. Hussain, S. Nadeem, and R. Haq, "Model-based analysis of micropolar nanofluid flow over a stretching surface," *The European Physical Journal Plus,* vol. 129, no. 8, pp. 161-161, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:ILKRHgRFtOwC>.

[407] T. Hayat, M. Hussain, S. Nadeem, and S. Obaidat, "Squeezed flow and heat transfer in a second grade fluid over a sensor surface," *Thermal Science,* vol. 18, no. 2, pp. 357-364, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:SpbeaW3--B0C>.

[408] R. Haq, S. Nadeem, Z. Khan, and T. Okedayo, "Convective heat transfer and MHD effects on Casson nanofluid flow over a shrinking sheet," *Central European Journal of Physics,* vol. 12, no. 12, pp. 862-871, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:0N-VGjzr574C>.

[409] R. Haq, S. Nadeem, Z. Khan, and N. Noor, "Convective heat transfer in MHD slip flow over a stretching surface in the presence of carbon nanotubes," *Physica B: Condensed Matter,* 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:rmuvC79q63oC>.

[410] R. Haq, S. Nadeem, N. Akbar, and Z. Khan, "Buoyancy and radiation effect on stagnation point flow of micropolar nanofluid along a vertically convective stretching surface," *IEEE Transactions on Nanotechnology,* vol. 14, no. 1, pp. 42-50, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:6ZxmRoH8BuwC>.

[411] R. Ellahi, A. Riaz, and S. Nadeem, "Three-dimensional peristaltic flow of a Williamson fluid in a rectangular channel having compliant walls," *Journal of Mechanics in Medicine and Biology,* vol. 14, no. 1, pp. 1450002-1450002, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:EkHepimYqZsC>.

[412] R. Ellahi, A. Riaz, and S. Nadeem, "A theoretical study of Prandtl nanofluid in a rectangular duct through peristaltic transport," *Applied Nanoscience,* vol. 4, no. 6, pp. 753-760, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:AXPGKjj_ei8C>.

[413] R. Ellahi, S. Rahman, S. Nadeem, and N. Akbar, "Influence of Heat and Mass Transfer on Micropolar Fluid of Blood Flow Through a Tapered Stenosed Arteries with Permeable Walls," *Journal of Computational and Theoretical Nanoscience,* vol. 11, no. 4, pp. 1156-1163, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:tOudhMTPpwUC>.

[414] R. Ellahi, S. Rahman, and S. Nadeem, "Blood flow of Jeffrey fluid in a catherized tapered artery with the suspension of nanoparticles," *Physics Letters A,* vol. 378, no. 40, pp. 2973-2980, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:ipzZ9siozwsC>.

[415] R. Ellahi, S. Rahman, M. Gulzar, S. Nadeem, and K. Vafai, "A Mathematical Study of Non-Newtonian Micropolar Fluid in Arterial Blood Flow Through Composite Stenosis," *Appl. Math,* vol. 8, no. 4, pp. 1567-1573, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:V3AGJWp-ZtQC>.

[416] S. Akram, S. Nadeem, and A. Hussain, "Influence of Lateral Walls on Peristaltic Flow of a Third Grade Fluid in a Rectangular Duct," *J Appl Mech Eng,* vol. 3, no. 140, pp. 2-2, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:DBa1UEJaJKAC>.

[417] S. Akram, S. Nadeem, and A. Hussain, "Influence of induced magnetic field and partial slip on the peristaltic flow of a couple stress fluid in an asymmetric channel," *Iranian Journal of Chemistry and Chemical Engineering (IJCCE),* vol. 33, no. 3, pp. 43-52, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:mlAyqtXpCwEC>.

[418] S. Akram, S. Nadeem, and A. Hussain, "Effects of heat and mass transfer on peristaltic flow of a Bingham fluid in the presence of inclined magnetic field and channel with different wave forms," *Journal of Magnetism and Magnetic Materials,* vol. 362, pp. 184-192, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:eflP2zaiRacC>.

[419] S. Akram and S. NADEEM, "Analytical analysis of peristaltic flow of a 6 constant Jeffreys model of fluid in an inclined planar channel," *Walailak Journal of Science and Technology (WJST),* vol. 11, no. 2, pp. 129-148, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:xtoqd-5pKcoC>.

[420] S. Akram and S. Nadeem, "Significance of nanofluid and partial slip on the peristaltic transport of a non-newtonian fluid with different wave forms," *IEEE Transactions on Nanotechnology,* vol. 13, no. 2, pp. 375-385, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:-FonjvnnhkoC>.

[421] S. Akram and S. Nadeem, "Consequence of nanofluid on peristaltic transport of a hyperbolic tangent fluid model in the occurrence of apt (tending) magnetic field," *Journal of Magnetism and Magnetic Materials,* vol. 358, pp. 183-191, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:eq2jaN3J8jMC>.

[422] S. Akram, K. Mekheimer, and S. Nadeem, "Influence of lateral walls on peristaltic flow of a couple stress fluid in a non-uniform rectangular duct," *Applied Mathematics & Information Sciences,* vol. 8, no. 3, pp. 1127-1127, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:_Re3VWB3Y0AC>.

[423] S. Akram, M. Hanif, and S. Nadeem, "Peristaltic transport of a Maxwell fluid in a porous asymmetric channel through a porous medium," *Cogent Engineering,* vol. 1, no. 1, pp. 980770-980770, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:XvxMoLDsR5gC>.

[424] N. S. Akbar, S. Nadeem, and N. M. Noor, "Free Convective MHD Peristaltic Flow of a Jeffrey Nanofluid with Convective Surface Boundary Condition: A Biomedicine--Nano Model," *Current Nanoscience,* vol. 10, no. 3, pp. 432-440, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:ML0RJ9NH7IQC>.

[425] N. S. Akbar, Z. Khan, and S. Nadeem, "Peristaltic impulsion of MHD biviscosity fluid in a lopsided channel: Closed-form solution," *The European physical journal plus,* vol. 129, no. 6, pp. 1-7, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:HtEfBTGE9r8C>.

[426] N. Akbar, S. Rahman, R. Ellahi, and S. Nadeem, "Blood flow study of Williamson fluid through stenosed arteries with permeable walls," *The European Physical Journal Plus,* vol. 129, no. 11, pp. 256-256, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:NXb4pA-qfm4C>.

[427] N. Akbar, S. Rahman, R. Ellahi, and S. Nadeem, "Nano fluid flow in tapering stenosed arteries with permeable walls," *International Journal of Thermal Sciences,* vol. 85, pp. 54-61, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:0KyAp5RtaNEC>.

[428] N. Akbar and S. Nadeemb, *Application of Rabinowitsch Fluid Model in Peristalsis* (Zeitschrift für Naturforschung A 69 (8-9)). 2014, pp. 473-480.

[429] N. Akbar, S. Nadeem, and N. Noor, "Free convective MHD peristaltic flow of a Jeffrey nanofluid with convective surface boundary condition: a biomedicinenano model," *Current Nanoscience,* vol. 10, no. 3, pp. 432-440, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:QoJ_w57xiyAC>.

[430] N. Akbar, S. Nadeem, and Z. H. Khan, "Numerical simulation of peristaltic flow of a Carreau nanofluid in an asymmetric channel," *Alexandria Engineering Journal,* vol. 53, no. 1, pp. 191-197, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:738O_yMBCRsC>.

[431] N. Akbar, S. Nadeem, and Z. Khan, "Thermal and velocity slip effects on the MHD peristaltic flow with carbon nanotubes in an asymmetric channel: application of radiation therapy," *Applied NanoScience,* vol. 4, no. 7, pp. 849-857, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:Fu2w8maKXqMC>.

[432] N. Akbar, S. Nadeem, R. Haq, and S. Ye, "MHD stagnation point flow of Carreau fluid toward a permeable shrinking sheet: Dual solutions," *Ain Shams Engineering Journal,* vol. 5, no. 4, pp. 1233-1239, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:g3aElNc5_aQC>.

[433] N. Akbar, S. Nadeem, R. Haq, and Z. Khan, "Nanoparticles Fraction on the Peristaltic Flow of Third Order Fluid," *Journal of Computational and Theoretical Nanoscience,* vol. 11, no. 1, pp. 47-52, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:VOx2b1Wkg3QC>.

[434] N. Akbar, S. Nadeem, and R. Haq, "Peristaltic Flow of a Prandtl Nano Fluid in an Asymmetric Porous Channel: Numerical Solutions," *Journal of Computational and Theoretical Nanoscience,* vol. 11, no. 5, pp. 1342-1348, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:uLbwQdceFCQC>.

[435] N. Akbar and S. Nadeem, "SIMULATION OF THE SECOND-GRADE FLUID MODEL AND HEATING SCHEME OF THE BLOOD FLOW THROUGH A TAPERED ARTERY WITH MASS TRANSFER," *Heat Transfer Research,* vol. 45, no. 5, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:VL0QpB8kHFEC>.

[436] N. Akbar and S. Nadeem, "Influence of heat and chemical reactions on the Sisko fluid model for blood flow through a tapered artery with a mild stenosis," *Quaestiones Mathematicae,* vol. 37, no. 2, pp. 157-177, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:tkaPQYYpVKoC>.

[437] N. Akbar and S. Nadeem, "Blood flow analysis in tapered stenosed arteries with pseudoplastic characteristics," *International Journal of Biomathematics,* vol. 7, no. 6, pp. 1450065-1450065, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:FPJr55Dyh1AC>.

[438] N. Akbar and S. Nadeem, "Convective heat transfer of a Sutterby fluid in an inclined asymmetric channel with partial slip," *Heat Transfer Research,* vol. 45, no. 3, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:PR6Y55bgFSsC>.

[439] N. Akbar and S. Nadeem, "Exact solution of peristaltic flow of biviscosity fluid in an endoscope: A note," *Alexandria Engineering Journal,* vol. 53, no. 2, pp. 449-454, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:gsN89kCJA0AC>.

[440] N. Akbar and S. Nadeem, "Simulation of peristaltic flow of chyme in small intestine for couple stress fluid," *Meccanica,* vol. 49, no. 2, pp. 325-334, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:geHnlv5EZngC>.

[441] N. Akbar and S. Nadeem, "Carreau fluid model for blood flow through a tapered artery with a stenosis," *Ain Shams Engineering Journal,* vol. 5, no. 4, pp. 1307-1316, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:q3CdL3IzO_QC>.

[442] N. Akbar, E. Maraj, and S. Nadeem, "Copper nanoparticle analysis for peristaltic flow in a curved channel with heat transfer characteristics," *The European Physical Journal Plus,* vol. 129, no. 7, pp. 149-149, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:tYavs44e6CUC>.

[443] N. Akbar, Z. Khan, and S. Nadeem, "Metachronal beating of cilia under influence of Hartmann layer and heat transfer," *The European Physical Journal Plus,* vol. 129, no. 8, pp. 176-176, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:F1b5ZUV5XREC>.

[444] N. Akbar, Z. Khan, and S. Nadeem, "Peristaltic impulsion of MHD biviscosity fluid in a lopsided channel: Closed-form solution," *The European Physical Journal Plus,* vol. 129, no. 6, pp. 123-123, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:AvfA0Oy_GE0C>.

[445] N. Akbar, Z. Khan, and S. Nadeem, "The combined effects of slip and convective boundary conditions on stagnation-point flow of CNT suspended nanofluid over a stretching sheet," *Journal of Molecular Liquids,* vol. 196, pp. 21-25, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:K3LRdlH-MEoC>.

[446] N. Akbar, Z. Khan, R. Haq, and S. Nadeem, "Dual solutions in MHD stagnation-point flow of Prandtl fluid impinging on shrinking sheet," *Applied Mathematics and Mechanics,* vol. 35, no. 7, pp. 813-820, 2014. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:XD-gHx7UXLsC>.

[447] A. Rehman, S. Nadeem, and M. Malik, "Boundary layer stagnation-point flow of a third grade fluid over an exponentially stretching sheet," *Brazilian Journal of Chemical Engineering,* vol. 30, no. 3, pp. 611-618, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:eJXPG6dFmWUC>.

[448] A. Rehman, S. Nadeem, and M. Malik, "Stagnation flow of couple stress nanofluid over an exponentially stretching sheet through a porous medium," *Journal of Power Technologies,* vol. 93, no. 2, pp. 122-122, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:XiVPGOgt02cC>.

[449] A. Rehman and S. Nadeem, "Heat transfer analysis of the boundary layer flow over a vertical exponentially stretching cylinder," *Global J. Sci. Fron. Res,* vol. 13, no. 11, pp. 73-85, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:gKiMpY-AVTkC>.

[450] S. Nadeem and S. Saleem, "Analytical treatment of unsteady mixed convection MHD flow on a rotating cone in a rotating frame," *Journal of the Taiwan Institute of Chemical Engineers,* vol. 44, no. 4, pp. 596-604, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:b0M2c_1WBrUC>.

[451] S. NADEEM and H. SADIA, "Influence of Temperature Dependent Viscosity and Entropy Generation on the Flow of a Johnson-Segalman Fluid," *Walailak Journal of Science and Technology (WJST),* vol. 10, no. 5, pp. 553-579, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:tuHXwOkdijsC>.

[452] S. Nadeem, A. Riaz, and R. Ellahi, "Peristaltic flow of a Jeffrey fluid in a rectangular duct having compliant walls," *Chemical Industry and Chemical Engineering Quarterly,* vol. 19, no. 3, pp. 399-409, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:t6usbXjVLHcC>.

[453] S. Nadeem and A. Rehman, "Axisymmetric stagnation flow of a nanofluid in a moving cylinder," *Computational mathematics and modeling,* vol. 2, no. 24, pp. 293-306, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:2KloaMYe4IUC>.

[454] S. Nadeem, R. Mehmood, and N. S. Akbar, "Influence of heat transfer on the nonorthogonal stagnation point flow of a third‐order fluid towards a stretching surface," *Heat Transfer—Asian Research,* vol. 42, no. 4, pp. 319-334, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:kzcrU_BdoSEC>.

[455] S. Nadeem, R. Mehmood, and N. Akbar, "Nanoparticle analysis for non-orthogonal stagnation point flow of a third order fluid towards a stretching surface," *Journal of Computational and Theoretical Nanoscience,* vol. 10, no. 11, pp. 2737-2747, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:a0OBvERweLwC>.

[456] S. Nadeem, R. Mehmood, and N. Akbar, "Non-orthogonal stagnation point flow of a nano non-Newtonian fluid towards a stretching surface with heat transfer," *International Journal of Heat and Mass Transfer,* vol. 57, no. 2, pp. 679-689, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:j3f4tGmQtD8C>.

[457] S. Nadeem and E. Maraj, "The Mathematical Analysis for Peristaltic Flow of Hyperbolic Tangent Fluid in a Curved Channel," *Communications in Theoretical Physics,* vol. 59, no. 6, pp. 729-729, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:5ugPr518TE4C>.

[458] S. Nadeem and Z. Khan, *Radiation efects on MHD stagnation point flow of nano fluid towards a stretching surface with convective boundary condition* (中国航空学报: 英文版). 2013, pp. 1389-1397.

[459] S. Nadeem, S. Ijaz, and N. Akbar, "Nano Particle Analysis for the Steady Blood Flow of Jeffrey Fluid with Stenosis with New Analytical Techniques," *Journal of Computational and Theoretical Nanoscience,* vol. 10, no. 11, pp. 2751-2765, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:dfsIfKJdRG4C>.

[460] S. Nadeem, S. Ijaz, and N. Akbar, "Nanoparticle analysis for blood flow of Prandtl fluid model with stenosis," *International Nano Letters,* vol. 3, no. 1, pp. 35-35, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:N5tVd3kTz84C>.

[461] S. Nadeem, S. Hussain, and C. Lee, "Flow of a Williamson fluid over a stretching sheet," *Brazilian Journal of Chemical Engineering,* vol. 30, no. 3, pp. 619-625, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:J-pR_7NvFogC>.

[462] S. Nadeem, A. Hussain, and N. Akbar, "SERIES SOLUTIONS FOR UNSTEADY STAGNATION POINT FLOWS OF A NON-NEWTONIAN FLUID OVER A SHRINKING SHEET," *Composites: Mechanics, Computations, Applications, An International Journal …,* 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:LI9QrySNdTsC>.

[463] S. Nadeem, R. Haq, N. Akbar, C. Lee, and Z. Khan, "Numerical study of boundary layer flow and heat transfer of Oldroyd-B nanofluid towards a stretching sheet," *PloS one,* vol. 8, no. 8, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:sSrBHYA8nusC>.

[464] S. Nadeem, R. Haq, N. Akbar, and Z. Khan, "MHD three-dimensional Casson fluid flow past a porous linearly stretching sheet," *Alexandria Engineering Journal,* vol. 52, no. 4, pp. 577-582, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:RYcK_YlVTxYC>.

[465] S. Nadeem, S. Ashiq, N. Akbar, and C. Lee, "Peristaltic Flow of Hyperbolic Tangent Fluid in a Diverging Tube with Heat and Mass Transfer," *Journal of Energy Engineering,* vol. 139, no. 2, pp. 124-135, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:_Ybze24A_UAC>.

[466] S. Nadeem, S. Akram, and N. Akbar, "Simulation of heat and chemical reactions on peristaltic flow of a Williamson fluid in an inclined asymmetric channel," *Iranian Journal of Chemistry and Chemical Engineering (IJCCE),* vol. 32, no. 2, pp. 93-107, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:olpn-zPbct0C>.

[467] R. Mehmood, S. Nadeem, and N. Akbar, "Non-orthogonal stagnation point flow of a micropolar second grade fluid towards a stretching surface with heat transfer," *Journal of the Taiwan Institute of Chemical Engineers,* vol. 44, no. 4, pp. 586-595, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:ZfRJV9d4-WMC>.

[468] M. Malik, A. Hussain, and S. Nadeem, "Boundary layer flow of an Eyring–Powell model fluid due to a stretching cylinder with variable viscosity," *Scientia Iranica,* vol. 20, no. 2, pp. 313-321, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:JoZmwDi-zQgC>.

[469] M. Hussain, M. Ashraf, S. Nadeem, and M. Khan, "Radiation effects on the thermal boundary layer flow of a micropolar fluid towards a permeable stretching sheet," *Journal of the Franklin Institute,* vol. 350, no. 1, pp. 194-210, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:zA6iFVUQeVQC>.

[470] R. Haq, S. Nadeem, and N. Akbar, "MHD three dimensional boundary layer flow of Casson nanofluid past a porous linearly Stretching sheet with convected boundary condition," *IEEE,* 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:EYYDruWGBe4C>.

[471] R. Ellahi, S. Ur-Rahman, and S. Nadeem, *Analytical Solutions of Unsteady Blood Flow of Jeffery Fluid Through Stenosed Arteries with PermeableWalls* (Zeitschrift für Naturforschung A 68 (8-9)). 2013, pp. 489-498.

[472] R. Ellahi, A. Riaz, S. Nadeem, and M. Mushtaq, "Series solutions of magnetohydrodynamic peristaltic flow of a Jeffrey fluid in eccentric cylinders," *Appl Math Inf Sci,* vol. 7, pp. 1441-1449, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:hMod-77fHWUC>.

[473] R. Ellahi, A. Riaz, S. Nadeem, and M. Mushtaq, "Series solutions of magnetohydrodynamic peristaltic flow of a Jeffrey fluid in eccentric cylinders," *Applied Mathematics & Information Sciences,* vol. 7, no. 4, pp. 1441-1441, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:yB1At4FlUx8C>.

[474] R. Ellahi, A. Riaz, and S. Nadeem, "Three dimensional peristaltic flow of Williamson fluid in a rectangular duct," *Indian Journal of Physics,* vol. 87, no. 12, pp. 1275-1281, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:yD5IFk8b50cC>.

[475] R. Ellahi, S. Rahman, S. Nadeem, and N. Akbar, *Blood flow of nanofluid through an artery with composite stenosis and permeable walls* (Applied Nanoscience). 2013, pp. 1-8.

[476] S. Akram, S. Nadeem, and M. Hanif, "Numerical and analytical treatment on peristaltic flow of Williamson fluid in the occurrence of induced magnetic field," *Journal of Magnetism and Magnetic Materials,* vol. 346, pp. 142-151, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:cFHS6HbyZ2cC>.

[477] S. Akram and S. Nadeem, "Influence of induced magnetic field and heat transfer on the peristaltic motion of a Jeffrey fluid in an asymmetric channel: Closed form solutions," *Journal of Magnetism and Magnetic Materials,* vol. 328, pp. 11-20, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:e5wmG9Sq2KIC>.

[478] N. S. Akbar, S. Nadeem, C. Lee, and Z. H. Khan, "Numerical Simulation of Nanoparticle Fraction for the Peristaltic Flow of a Six Constant Jeffrey’s Fluid Model," *Current Nanoscience,* vol. 9, no. 6, pp. 798-803, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:9vf0nzSNQJEC>.

[479] N. S. Akbar and S. Nadeem, *An analytical and numerical study of peristaltic transport of a Johnson—Segalman fluid in an endoscope*. Chinese Physical Society and IOP Publishing Ltd, 2013.

[480] N. S. Akbar and S. Nadeem, "Biomathematical study of non‐Newtonian nanoﬂuid in a diverging tube," *Heat Transfer—Asian Research,* vol. 42, no. 5, pp. 389-402, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:nb7KW1ujOQ8C>.

[481] N. Akbar, S. Nadeem, C. Lee, Z. Khan, and R. Haq, "Numerical study of Williamson nano fluid flow in an asymmetric channel," *Results in Physics,* vol. 3, pp. 161-166, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:dshw04ExmUIC>.

[482] N. Akbar, S. Nadeem, and C. Lee, "Biomechanical analysis of Eyring Prandtl fluid model for blood flow in stenosed arteries," *International Journal of Nonlinear Sciences and Numerical Simulation 14 (6 …,* 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:UHK10RUVsp4C>.

[483] N. Akbar, S. Nadeem, and C. Lee, "Characteristics of Jeffrey fluid model for peristaltic flow of chyme in small intestine with magnetic field," *Results in Physics,* vol. 3, pp. 152-160, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:LjlpjdlvIbIC>.

[484] N. Akbar, S. Nadeem, R. Haq, and Z. Khan, "Fluid Mechanics and Flight Mechanics Current Issue| Next Issue| Archive| Adv Search<< Previous Articles| Next Articles>>," *Chinese Journal of Aeronautics,* vol. 26, no. 6, pp. 1389-1397, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:VaXvl8Fpj5cC>.

[485] N. Akbar, S. Nadeem, R. Haq, and Z. Khan, "Radiation efects on MHD stagnation point flow of nano fluid towards a stretching surface with convective boundary condition," *Chinese Journal of Aeronautics,* vol. 5, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:Br1UauaknNIC>.

[486] N. Akbar, S. Nadeem, R. Haq, and Z. Khan, "Numerical solutions of Magnetohydrodynamic boundary layer flow of tangent hyperbolic fluid towards a stretching sheet," *Indian Journal of Physics,* vol. 87, no. 11, pp. 1121-1124, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:SeFeTyx0c_EC>.

[487] N. Akbar, S. Nadeem, R. Haq, and Z. Khan, "Radiation effects on MHD stagnation point flow of nano fluid towards a stretching surface with convective boundary condition," *Chinese Journal of Aeronautics,* vol. 26, no. 6, pp. 1389-1397, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:pqnbT2bcN3wC>.

[488] N. Akbar and S. Nadeem, "Effects of induced magnetic field on the peristaltic flow of an Eyring-Powell fluid," *Journal of Aerospace Engineering,* vol. 26, no. 4, pp. 835-841, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:Mojj43d5GZwC>.

[489] N. Akbar and S. Nadeem, "Endoscopic effects on the peristaltic flow of a Jeffrey six-constant fluid model with variable viscosity," *Journal of Aerospace Engineering,* vol. 26, no. 3, pp. 535-543, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:mvPsJ3kp5DgC>.

[490] N. Akbar and S. Nadeem, "An analytical and numerical study of peristaltic transport of a Johnson—Segalman fluid in an endoscope," *Chinese Physics B,* vol. 22, no. 1, pp. 14703-14703, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:CHSYGLWDkRkC>.

[491] N. Akbar and S. Nadeem, "Intestinal flow of a couple stress nanofluid in arteries," *NanoBioscience, IEEE Transactions on,* vol. 12, no. 4, pp. 332-339, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:uJ-U7cs_P_0C>.

[492] N. Akbar and S. Nadeem, "Peristaltic flow of a micropolar fluid with nano particles in small intestine," *Applied Nanoscience,* vol. 3, no. 6, pp. 461-468, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:kRWSkSYxWN8C>.

[493] N. Akbar and S. Nadeem, "Nano Sutterby fluid model for the peristaltic flow in small intestines," *Journal of Computational and Theoretical Nanoscience,* vol. 10, no. 10, pp. 2491-2499, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:RGFaLdJalmkC>.

[494] N. Akbar and S. Nadeem, "Mixed convective magnetohydrodynamic peristaltic flow of a Jeffrey nanofluid with Newtonian heating," *Zeitschrift für Naturforschung,* vol. 68, pp. 433-441, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:D03iK_w7-QYC>.

[495] N. Akbar, T. Hayat, S. Nadeem, and A. Hendi, "Influence of mixed convection on blood flow of Jeffrey fluid through a tapered stenosed artery," *Thermal Science,* vol. 17, no. 2, pp. 533-546, 2013. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:NJ774b8OgUMC>.

[496] A. Rehman and S. Nadeem, "Mixed convection heat transfer in micropolar nanofluid over a vertical slender cylinder," *Chinese Physics Letters,* vol. 29, no. 12, pp. 124701-124701, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:tS2w5q8j5-wC>.

[497] S. Nadeem, A. Rehman, K. Vajravelu, J. Lee, and C. Lee, "Axisymmetric stagnation flow of a micropolar nanofluid in a moving cylinder," *Mathematical Problems in Engineering,* vol. 2012, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:ZHo1McVdvXMC>.

[498] S. Nadeem, A. Rehman, C. Lee, and J. Lee, "Boundary layer flow of second grade fluid in a cylinder with heat transfer," *Mathematical Problems in Engineering,* vol. 2012, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:70eg2SAEIzsC>.

[499] S. Nadeem, A. Rehman, and M. Ali, "Engineers, Part N: Journal of Nanoengineering," presented at the Proceedings of the Institution of Mechanical Engineers, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:2VqYfGB8ITEC>.

[500] S. Nadeem, A. Rehman, and M. Ali, "The boundary layer flow and heat transfer of a nanofluid over a vertical, slender cylinder," presented at the Proceedings of the Institution of Mechanical Engineers, Part N: Journal of …, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:p2g8aNsByqUC>.

[501] S. Nadeem and C. Lee, "Boundary layer flow of nanofluid over an exponentially stretching surface," *Nanoscale Research Letters,* vol. 7, no. 1, pp. 94-94, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:LkGwnXOMwfcC>.

[502] S. Nadeem, R. U. Haq, and C. Lee, "MHD flow of a Casson fluid over an exponentially shrinking sheet," *Scientia Iranica,* vol. 19, no. 6, pp. 1550-1553, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:qUcmZB5y_30C>.

[503] S. Nadeem and R. Haq, "MHD Boundary Layer Flow of a Nano Fluid past a Porous Shrinking Sheet with Thermal Radiation," *Journal of Aerospace Engineering,* 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:bFI3QPDXJZMC>.

[504] S. Nadeem, S. Ashiq, and M. Ali, "Williamson Fluid Model for the Peristaltic Flow of Chyme in Small Intestine," *Mathematical Problems in Engineering,* vol. 2012, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:MLfJN-KU85MC>.

[505] S. Nadeem, S. Akram, T. Hayat, and A. Hendi, "Peristaltic flow of a Carreau fluid in a rectangular duct," *Journal of fluids engineering,* vol. 134, no. 4, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:J_g5lzvAfSwC>.

[506] S. Nadeem and S. Akram, "Numerical and Analytical Treatments of Peristaltic Transport of a Six Constant Jeffreys Model of Fluid in a Symmetric or Asymmetric Channel," *International Journal of fluid Mechanics Research,* vol. 39, no. 3, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:vRqMK49ujn8C>.

[507] S. Nadeem and S. Akram, "Influence of inclined magnetic field on peristaltic flow of a Jeffrey fluid with heat and mass transfer in an inclined symmetric or asymmetric channel," *Asia‐Pacific Journal of Chemical Engineering,* vol. 7, no. 1, pp. 33-44, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:O3NaXMp0MMsC>.

[508] S. Nadeem, N. Akbar, M. Malik, and C. Lee, "Peristaltic flow of a Jeffrey‐six constant fluid in a uniform inclined tube," *International Journal for Numerical Methods in Fluids,* vol. 69, no. 9, pp. 1550-1565, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:W5xh706n7nkC>.

[509] S. Nadeem, N. Akbar, T. Hayat, and A. Hendi, "Influence of heat and mass transfer on Newtonian biomagnetic fluid of blood flow through a tapered porous arteries with a stenosis," *Transport in porous media,* vol. 91, no. 1, pp. 81-100, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:WbkHhVStYXYC>.

[510] S. Nadeem, N. Akbar, and M. Ali, "Endoscopic effects on the peristaltic flow of an Eyring–Powell fluid," *Meccanica,* vol. 47, no. 3, pp. 687-697, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:bnK-pcrLprsC>.

[511] S. Nadeem and N. Akbar, "Endoscopic and heat transfer effects on the peristaltic flow of a third‐order fluid with chemical reactions," *Asia‐Pacific Journal of Chemical Engineering,* vol. 7, no. 1, pp. 45-54, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:eMMeJKvmdy0C>.

[512] S. Nadeem and N. Akbar, "Effects of heat and mass transfer peristaltic flow of Williamson fluid in a vertical annulus," *Meccanica,* vol. 47, no. 1, pp. 141-151, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:08ZZubdj9fEC>.

[513] F. Mollaioli, A. Bosi, S. Nadeem, and N. Akbar, "The unsteady Couette flow of an isothermal incompressible micropolar fluid between two infinite parallel plates is investigated. The motion of the fluid is produced by a time …," *Meccanica,* vol. 47, no. 1, pp. 203-219, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:w0F2JDEymm0C>.

[514] M. Malik, I. Zehra, and S. Nadeem, "Numerical treatment of Jeffrey fluid with pressure‐dependent viscosity," *International Journal for Numerical Methods in Fluids,* vol. 68, no. 2, pp. 196-209, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:WqliGbK-hY8C>.

[515] M. Malik, A. Hussain, and S. Nadeem, "Flow of a non-Newtonian nanofluid between coaxial cylinders with variable viscosity," *Zeitschrift für Naturforschung A,* vol. 67, no. 5, pp. 255-261, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:tzM49s52ZIMC>.

[516] T. Hayat, M. Hussain, A. Hendi, and S. Nadeem, "MHD stagnation point flow towards heated shrinking surface subjected to heat generation/absorption," *Applied Mathematics and Mechanics,* vol. 33, no. 5, pp. 631-648, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:WA5NYHcadZ8C>.

[517] R. Ellahi, A. Riaz, S. Nadeem, and M. Ali, "Peristaltic flow of Carreau fluid in a rectangular duct through a porous medium," *Mathematical Problems in Engineering,* vol. 2012, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:ns9cj8rnVeAC>.

[518] S. Akram, S. Nadeem, A. Ghafoor, and C. Lee, "Consequences of nanofluid on Peristaltic flow in an asymmetric channel," *Int J Basic Appl Sci IJBAS-IJENS,* vol. 12, no. 5, pp. 75-96, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:_B80troHkn4C>.

[519] S. Akram and S. Nadeem, "Simulation of heat and mass transfer on peristaltic flow of hyperbolic tangent fluid in an asymmetric channel," *International Journal for Numerical methods in fluids,* vol. 70, no. 12, pp. 1475-1493, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:35N4QoGY0k4C>.

[520] S. Akram, A. Ghafoor, and S. Nadeem, "Mixed convective heat and mass transfer on a peristaltic flow of a non‐Newtonian fluid in a vertical asymmetric channel," *Heat Transfer—Asian Research,* vol. 41, no. 7, pp. 613-633, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:vV6vV6tmYwMC>.

[521] N. Akbar, S. Nadeem, and C. Lee, "Influence of heat and mass transfer on Phan-Thien-Tanner fluid model for blood flow through a tapered artery with a stenosis," *Sci. Res. Essays,* vol. 7, pp. 3737-3750, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:OTTXONDVkokC>.

[522] N. Akbar, S. Nadeem, and C. Lee, "Influence of heat transfer and chemical reactions on Williamson fluid model for blood flow through a tapered artery with a stenosis," *Asian Journal of Chemistry,* vol. 24, no. 6, pp. 2433-2441, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:ZuybSZzF8UAC>.

[523] N. Akbar, S. Nadeem, and C. Lee, "Peristaltic flow of a Prandtl fluid model in an asymmetric channel," *Int. J. Phys. Sci,* vol. 7, no. 5, pp. 687-695, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:BqipwSGYUEgC>.

[524] N. Akbar, S. Nadeem, T. Hayat, and A. Hendi, "Simulation of heating scheme and chemical reactions on the peristaltic flow of an Eyring‐Powell fluid," *International Journal of Numerical Methods for Heat & Fluid Flow,* 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:wbdj-CoPYUoC>.

[525] N. Akbar, S. Nadeem, T. Hayat, and A. Hendi, "Effects of heat and chemical reaction on Jeffrey fluid model with stenosis," *Applicable Analysis,* vol. 91, no. 9, pp. 1631-1647, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:fQNAKQ3IYiAC>.

[526] N. Akbar, S. Nadeem, T. Hayat, and A. Hendi, "Analytical and numerical analysis of Vogel’s model of viscosity on the peristaltic flow of Jeffrey fluid," *Journal of Aerospace Engineering,* vol. 25, no. 1, pp. 64-70, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:fPk4N6BV_jEC>.

[527] N. Akbar, S. Nadeem, T. Hayat, and A. Hendi, "Peristaltic flow of a nanofluid with slip effects," *Meccanica,* vol. 47, no. 5, pp. 1283-1294, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:roLk4NBRz8UC>.

[528] N. Akbar, S. Nadeem, T. Hayat, and A. Hendi, "Peristaltic flow of a nanofluid in a non-uniform tube," *Heat and mass transfer,* vol. 48, no. 3, pp. 451-459, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:_FxGoFyzp5QC>.

[529] N. Akbar, S. Nadeem, T. Hayat, and A. Alsaedi, "Heat transfer analysis for the peristaltic flow of chyme in small intestine: A theoretical study," *Journal of Mechanics in Medicine and Biology,* vol. 12, no. 3, pp. 1250035-1250035, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:BrmTIyaxlBUC>.

[530] N. Akbar, S. Nadeem, and T. Hayat, "Simulation of thermal and velocity slip on the peristaltic flow of a Johnson–Segalman fluid in an inclined asymmetric channel," *International journal of heat and mass transfer 55 (21-22),* pp. 5495-5502, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:1qzjygNMrQYC>.

[531] N. Akbar, S. Nadeem, and M. Ali, "Influence of Heat and Chemical Reactions on Hyperbolic Tangent Fluid Model for Blood Flow through a Tapered Artery with a Stenosis," *Heat Transfer Research,* vol. 43, no. 1, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:4MWp96NkSFoC>.

[532] N. Akbar and S. Nadeem, "PERISTALTIC FLOW OF REINER− RIVLIN FLUID IN AN ENDOSCOPE," *Composites: Mechanics, Computations, Applications, An International Journal …,* 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:oNZyr7d5Mn4C>.

[533] N. Akbar and S. Nadeem, "ELECTROMAGNETISM, OPTICS, ACOUSTICS, HEAT TRANSFER, CLASSICAL MECHANICS, AND FLUID DYNAMICS: Simulation of Variable Viscosity and Jeffrey Fluid Model for Blood Flow Through a …," *Communications in Theoretical Physics,* vol. 57, no. 1, pp. 133-133, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:PoWvk5oyLR8C>.

[534] N. Akbar and S. Nadeem, "Numerical and analytical simulation of the peristaltic flow of Jeffrey fluid with Reynold's model of viscosity," *International Journal of Numerical Methods for Heat & Fluid Flow,* 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:5Ul4iDaHHb8C>.

[535] N. Akbar and S. Nadeem, "Simulation of variable viscosity and Jeffrey fluid model for blood flow through a tapered artery with a stenosis," *Communications in Theoretical Physics,* vol. 57, no. 1, pp. 133-133, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:rO6llkc54NcC>.

[536] N. Akbar and S. Nadeem, "Thermal and velocity slip effects on the peristaltic flow of a six constant Jeffrey’s fluid model," *International Journal of Heat and Mass Transfer 55 (15-16),* pp. 3964-3970, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:GnPB-g6toBAC>.

[537] N. Akbar and S. Nadeem, "Characteristics of heating scheme and mass transfer on the peristaltic flow for an Eyring–Powell fluid in an endoscope," *International Journal of Heat and Mass Transfer 55 (1-3),* pp. 375-383, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:4JMBOYKVnBMC>.

[538] N. Akbar and S. Nadeem, "Peristaltic flow of a Phan‐Thien‐Tanner nanofluid in a diverging tube," *Heat Transfer—Asian Research,* vol. 41, no. 1, pp. 10-22, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:aqlVkmm33-oC>.

[539] N. Akbar, T. Hayat, S. Nadeem, and S. Obaidat, "Peristaltic flow of a Tangent hyperbolic fluid in an inclined asymmetric channel with slip and heat transfer," *Progress in Computational Fluid Dynamics, an International Journal 12 (5 …,* 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:2P1L_qKh6hAC>.

[540] N. Akbar, T. Hayat, S. Nadeem, and S. Obaidat, "Peristaltic flow of a Williamson fluid in an inclined asymmetric channel with partial slip and heat transfer," *International Journal of Heat and Mass Transfer 55 (7-8),* pp. 1855-1862, 2012. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:R3hNpaxXUhUC>.

[541] S. Nadeem, S. Zaheer, and T. Fang, "Effects of thermal radiation on the boundary layer flow of a Jeffrey fluid over an exponentially stretching surface," *Numerical Algorithms,* vol. 57, no. 2, pp. 187-205, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:8k81kl-MbHgC>.

[542] S. Nadeem and S. Akram, "Peristaltic flow of a Maxwell model through porous boundaries in a porous medium," *Transport in Porous Media,* vol. 86, no. 3, pp. 895-909, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:KxtntwgDAa4C>.

[543] S. Nadeem and S. Akram, "Peristaltic flow of a couple stress fluid under the effect of induced magnetic field in an asymmetric channel," *Archive of Applied Mechanics,* vol. 81, no. 1, pp. 97-109, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:IWHjjKOFINEC>.

[544] S. Nadeem and S. Akram, "Magnetohydrodynamic peristaltic flow of a hyperbolic tangent fluid in a vertical asymmetric channel with heat transfer," *Acta Mechanica Sinica,* vol. 27, no. 2, pp. 237-250, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:pyW8ca7W8N0C>.

[545] S. Nadeem, N. S. Akbar, and K. Vajravelu, "Peristaltic flow of a Sisko fluid in an endoscope: analytical and numerical solutions," *International Journal of Computer Mathematics,* vol. 88, no. 5, pp. 1013-1023, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:xtRiw3GOFMkC>.

[546] S. NADEEM, N. S. AKBAR, and A. A. HENDI, "Peristaltic ﬂow of Walter’s B ﬂuid in endoscope," *Appl. Math,* 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:e_rmSamDkqQC>.

[547] S. Nadeem, N. Akbar, A. Yildirim, A. Hussain, and M. Ali, "Series solutions for the stagnation flow of a maxwell fluid over a shrinking sheet," *Composites: Mechanics, Computations, Applications, An International Journal …,* 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:BwyfMAYsbu0C>.

[548] S. Nadeem, N. Akbar, and T. Naz, "The numerical and analytical solution of peristaltic flow of a Jeffrey fluid in an inclined tube with partial slip," *Journal of Mechanics in Medicine and Biology,* vol. 11, no. 4, pp. 773-802, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:UxriW0iASnsC>.

[549] S. Nadeem, N. Akbar, A. Hendi, and T. Hayat, "Power law fluid model for blood flow through a tapered artery with a stenosis," *Applied Mathematics and Computation,* vol. 217, no. 17, pp. 7108-7116, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:mB3voiENLucC>.

[550] S. Nadeem, N. Akbar, T. Hayat, and A. Hendi, "Numerical and series solutions of the peristaltic motion of an Oldroyd 8-constant fluid in an endoscope," *Computer methods in biomechanics and biomedical engineering,* vol. 14, no. 11, pp. 987-993, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:PELIpwtuRlgC>.

[551] S. Nadeem, N. Akbar, T. Hayat, and A. Hendi, "Peristaltic flow of Walter’s B fluid in endoscope," *Applied Mathematics and Mechanics,* vol. 32, no. 6, pp. 689-689, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:_xSYboBqXhAC>.

[552] S. Nadeem and N. Akbar, "Numerical analysis of peristaltic transport of a tangent hyperbolic fluid in an endoscope," *Journal of Aerospace engineering,* vol. 24, no. 3, pp. 309-317, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:EUQCXRtRnyEC>.

[553] S. Nadeem and N. Akbar, "Effects of heat and chemical reactions on peristaltic flow of Newtonian fluid in a diverging tube with inclined MHD," *Asia‐Pacific Journal of Chemical Engineering,* vol. 6, no. 4, pp. 659-668, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:HE397vMXCloC>.

[554] S. Nadeem and N. Akbar, "Influence of heat transfer and variable viscosity in vertical porous annulus with peristalsis," *Journal of Porous Media,* vol. 14, no. 10, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:B3FOqHPlNUQC>.

[555] S. Nadeem and N. Akbar, "Exact and numerical simulation of peristaltic flow of a non‐Newtonian fluid with inclined magnetic field in an endoscope," *International Journal for Numerical Methods in Fluids,* vol. 66, no. 7, pp. 919-934, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:g5m5HwL7SMYC>.

[556] S. Nadeem and N. Akbar, "Influence of heat and chemical reactions on Walter’s B fluid model for blood flow through a tapered artery," *Journal of the Taiwan Institute of Chemical Engineers,* vol. 42, no. 1, pp. 67-75, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:-f6ydRqryjwC>.

[557] S. Nadeem and N. Akbar, "Numerical solutions of peristaltic flow of Williamson fluid with radially varying MHD in an endoscope," *International Journal for Numerical Methods in Fluids,* vol. 66, no. 2, pp. 212-220, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:TFP_iSt0sucC>.

[558] S. Nadeem and N. Akbar, "Influence of heat and mass transfer on the peristaltic flow of a Johnson Segalman fluid in a vertical asymmetric channel with induced MHD," *Journal of the Taiwan Institute of Chemical Engineers,* vol. 42, no. 1, pp. 58-66, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:qxL8FJ1GzNcC>.

[559] M. Malik, A. Hussain, and S. Nadeem, "ELECTROMAGNETISM, OPTICS, ACOUSTICS, HEAT TRANSFER, CLASSICAL MECHANICS, AND FLUID DYNAMICS: Analytical Treatment of an Oldroyd 8-constant Fluid Between Coaxial Cylinders with …," *Communications in Theoretical Physics,* vol. 56, no. 5, pp. 933-933, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:i2xiXl-TujoC>.

[560] M. Malik, A. Hussain, and S. Nadeem, "Analytical treatment of an oldroyd 8-constant fluid between coaxial cylinders with variable viscosity," *Communications in Theoretical Physics,* vol. 56, no. 5, pp. 933-933, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:u9iWguZQMMsC>.

[561] M. Malik, A. Hussain, and S. Nadeem, "Flow of a Jeffery-six constant fluid between coaxial cylinders with heat transfer analysis," *Communications in Theoretical Physics,* vol. 56, no. 2, pp. 345-345, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:NMxIlDl6LWMC>.

[562] T. Hayat, M. Hussain, S. Nadeem, and S. Mesloub, "Falkner–Skan wedge flow of a power-law fluid with mixed convection and porous medium," *Computers & Fluids,* vol. 49, no. 1, pp. 22-28, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:dhFuZR0502QC>.

[563] E. Gargouri-Ellouze, N. Akbarand, and S. Nadeem, *Modelling Nonlinear Bivariate Dependence Using the Boubaker Polynomials Copula: Application to Infiltration Rainfall Patterns in Saddine-1 (Makthar, Northern Tunisia)*. 2011.

[564] N. Akbar, S. Nadeem, T. Hayat, and A. Hendi, "Effects of heat and mass transfer on the peristaltic flow of hyperbolic tangent fluid in an annulus," *International journal of heat and mass transfer 54 (19-20),* pp. 4360-4369, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:HDshCWvjkbEC>.

[565] N. Akbar, S. Nadeem, and M. Ali, "Jeffrey fluid model for blood flow through a tapered artery with a stenosis," *Journal of Mechanics in Medicine and Biology,* vol. 11, no. 3, pp. 529-545, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:ZeXyd9-uunAC>.

[566] N. Akbar and S. Nadeem, "Analytical and numerical solutions of peristaltic flow of Williamson fluid model in an endoscope," *Journal of Mechanics in Medicine and Biology,* vol. 11, no. 4, pp. 941-957, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:uWQEDVKXjbEC>.

[567] N. Akbar and S. Nadeem, "Combined effects of heat and chemical reactions on the peristaltic flow of Carreau fluid model in a diverging tube," *International Journal for Numerical Methods in Fluids,* vol. 67, no. 12, pp. 1818-1832, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:l7t_Zn2s7bgC>.

[568] N. Akbar and S. Nadeem, "Simulation of heat transfer on the peristaltic flow of a Jeffrey-six constant fluid in a diverging tube," *International Communications in Heat and Mass Transfer,* vol. 38, no. 2, pp. 154-159, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:ldfaerwXgEUC>.

[569] N. Akbar and S. Nadeem, "Endoscopic effects on peristaltic flow of a nanofluid," *Communications in Theoretical Physics,* vol. 56, no. 4, pp. 761-761, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:eQOLeE2rZwMC>.

[570] N. Akbar, T. Hayat, S. Nadeem, and A. Hendi, "Effects of slip and heat transfer on the peristaltic flow of a third order fluid in an inclined asymmetric channel," *International Journal of Heat and Mass Transfer 54 (7-8),* pp. 1654-1664, 2011. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:M3ejUd6NZC8C>.

[571] S. Nadeem, M. Hussain, and M. Naz, "MHD stagnation flow of a micropolar fluid through a porous medium," *Meccanica,* vol. 45, no. 6, pp. 869-880, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:Se3iqnhoufwC>.

[572] S. Nadeem, A. Hussain, and K. Vajravelu, "Effects of heat transfer on the stagnation flow of a third-order fluid over a shrinking sheet," *Zeitschrift für Naturforschung A,* vol. 65, no. 11, pp. 969-994, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:f2IySw72cVMC>.

[573] S. Nadeem, A. Hussain, and M. Khan, "Stagnation flow of a Jeffrey fluid over a shrinking sheet," *Zeitschrift für Naturforschung-A,* vol. 65, no. 6, pp. 540-540, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:hFOr9nPyWt4C>.

[574] S. Nadeem, A. Hussain, and M. Khan, "HAM solutions for boundary layer flow in the region of the stagnation point towards a stretching sheet," *Communications in Nonlinear Science and Numerical Simulation,* vol. 15, no. 3, pp. 475-481, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:qjMakFHDy7sC>.

[575] S. Nadeem, T. Hayat, M. Malik, and S. Rajput, "Thermal radiation effects on the flow by an exponentially stretching surface: a series solution," *Zeitschrift für Naturforschung-A,* vol. 65, no. 6, pp. 495-495, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:NaGl4SEjCO4C>.

[576] S. Nadeem, T. Hayat, S. Abbasbandy, and M. Ali, "Effects of partial slip on a fourth-grade fluid with variable viscosity: an analytic solution," *Nonlinear Analysis: Real World Applications,* vol. 11, no. 2, pp. 856-868, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:kNdYIx-mwKoC>.

[577] S. Nadeem and N. Faraz, "Thin film flow of a second grade fluid over a stretching/shrinking sheet with variable temperature-dependent viscosity," *Chinese Physics Letters,* vol. 27, no. 3, pp. 34704-34707, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:isC4tDSrTZIC>.

[578] S. Nadeem and M. Awais, "THIN FILM FLOW OF A NON-NEWTONIAN FLUID DOWN A VERTICAL CYLINDER THROUGH A POROUS MEDIUM," *Journal of Porous media,* vol. 13, no. 11, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:dTyEYWd-f8wC>.

[579] S. Nadeem and S. Akram, *Influence of heat transfer and magnetic field on a peristaltic transport of a Jeffrey fluid in an asymmetric channel with partial slip* (Zeitschrift für Naturforschung A 65 (6-7)). 2010, pp. 483-494.

[580] S. Nadeem and S. Akram, "Slip effects on the peristaltic flow of a Jeffrey fluid in an asymmetric channel under the effect of induced magnetic field," *International journal for numerical methods in fluids,* vol. 63, no. 3, pp. 374-394, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:Wp0gIr-vW9MC>.

[581] S. Nadeem and S. Akram, "Peristaltic flow of a Jeffrey fluid in a rectangular duct," *Nonlinear Analysis: Real World Applications,* vol. 11, no. 5, pp. 4238-4247, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:TQgYirikUcIC>.

[582] S. Nadeem and S. Akram, *Influence of inclined magnetic field on peristaltic flow of a Williamson fluid model in an inclined symmetric or asymmetric channel* (Mathematical and Computer Modelling 52 (1-2)). 2010, pp. 107-119.

[583] S. Nadeem and S. Akram, "Heat transfer in a peristaltic flow of MHD fluid with partial slip," *Communications in Nonlinear Science and Numerical Simulation,* vol. 15, no. 2, pp. 312-321, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:zYLM7Y9cAGgC>.

[584] S. Nadeem and S. Akram, "Peristaltic flow of a Williamson fluid in an asymmetric channel," *Communications in Nonlinear Science and Numerical Simulation,* vol. 15, no. 7, pp. 1705-1716, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:W7OEmFMy1HYC>.

[585] S. Nadeem, N. Akbar, and M. Malik, "Numerical solutions of peristaltic flow of a Newtonian fluid under the effects of magnetic field and heat transfer in a porous concentric tubes," *Zeitschrift für Naturforschung-A,* vol. 65, no. 5, pp. 369-369, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:r0BpntZqJG4C>.

[586] S. Nadeem, N. Akbar, and M. Malik, "Exact and numerical solutions of a micropolar fluid in a vertical annulus," *Numerical Methods for Partial Differential Equations,* vol. 26, no. 6, pp. 1660-1674, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:RHpTSmoSYBkC>.

[587] S. Nadeem, N. Akbar, and T. Hayat, "Effects of Variable Viscosity on the Peristaltic Motion in a Third-Order Fluid," *Zeitschrift für Naturforschung A,* vol. 65, no. 11, pp. 901-918, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:D_sINldO8mEC>.

[588] S. Nadeem, N. Akbar, and M. Hameed, "Peristaltic transport and heat transfer of a MHD Newtonian fluid with variable viscosity," *International journal for numerical methods in fluids,* vol. 63, no. 12, pp. 1375-1393, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:7PzlFSSx8tAC>.

[589] S. Nadeem, N. Akbar, N. Bibi, and S. Ashiq, "Influence of heat and mass transfer on peristaltic flow of a third order fluid in a diverging tube," *Communications in Nonlinear Science and Numerical Simulation,* vol. 15, no. 10, pp. 2916-2931, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:UeHWp8X0CEIC>.

[590] S. Nadeem, N. Akbar, and S. Ashiq, "Simulation of heat and chemical reactions on the peristaltic flow of a Johnson Segalman fluid in an endoscope," *International Journal of Nonlinear Sciences and Numerical Simulation 11 (10 …,* 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:u_35RYKgDlwC>.

[591] S. Nadeem and N. Akbar, "Erratum to “Influence of heat transfer on a peristaltic transport of Herschel–Bulkley fluid in a non-uniform inclined tube”[Commun Nonlinear Sci Numer Simul 14 (2009) 4100–4113]," *Communications in Nonlinear Science and Numerical Simulation,* vol. 15, no. 12, pp. 4241-4241, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:vDZJ-YLwNdEC>.

[592] S. Nadeem and N. Akbar, "Application of radially varying magnetic field on a peristaltic flow of non‐Newtonian fluid in the presence of heat and mass transfer," *Heat Transfer—Asian Research,* vol. 39, no. 8, pp. 555-574, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:5awf1xo2G04C>.

[593] S. Nadeem and N. Akbar, "Corrigendum to “Effects of heat transfer on the peristaltic transport of MHD Newtonian fluid with variable viscosity: Application of Adomian decomposition method”[Commun …," *Communications in Nonlinear Science and Numerical Simulation,* vol. 15, no. 5, pp. 1419-1419, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:uWiczbcajpAC>.

[594] S. Nadeem and N. Akbar, "Numerical Solutions of Peristaltic Flow of a Jeffrey-Six Constant Fluid with Variable Magnetohydrodynamic," *ZEITSCHRIFT FUR NATURFORSCHUNG A,* vol. 65, no. 11, pp. 911-918, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:artPoR2Yc-kC>.

[595] S. Nadeem and N. Akbar, "Simulation of the second grade fluid model for blood flow through a tapered artery with a stenosis," *Chinese Physics Letters,* vol. 27, no. 6, pp. 68701-68701, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:iH-uZ7U-co4C>.

[596] S. Nadeem and N. Akbar, "Effects of induced magnetic field on peristaltic flow of Johnson-Segalman fluid in a vertical symmetric channel," *Applied Mathematics and Mechanics,* vol. 31, no. 8, pp. 969-978, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:M3NEmzRMIkIC>.

[597] S. Nadeem and N. Akbar, "Effects of heat and mass transfer on peristaltic flow of Carreau fluid in a vertical annulus," *Zeitschrift für Naturforschung-A,* vol. 65, no. 10, pp. 781-781, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:maZDTaKrznsC>.

[598] S. Nadeem and N. Akbar, "Peristaltic flow of Walter’s B fluid in a uniform inclined tube," *Journal of biorheology,* vol. 24, no. 1, pp. 22-28, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:YFjsv_pBGBYC>.

[599] S. Nadeem and N. Akbar, "Series solutions for the peristaltic flow of a tangent hyperbolic fluid in a uniform inclined tube," *Zeitschrift für Naturforschung-A,* vol. 65, no. 11, pp. 887-887, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:HoB7MX3m0LUC>.

[600] S. Nadeem and N. Akbar, "Influence of heat and mass transfer on a peristaltic motion of a Jeffrey-six constant fluid in an annulus," *Heat and Mass transfer,* vol. 46, no. 5, pp. 485-493, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:hC7cP41nSMkC>.

[601] S. Nadeem and N. Akbar, "Influence of temperature dependent viscosity on peristaltic transport of a Newtonian fluid: Application of an endoscope," *Applied Mathematics and Computation,* vol. 216, no. 12, pp. 3606-3619, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:JV2RwH3_ST0C>.

[602] S. Nadeem and N. Akbar, "Influence of heat transfer on peristaltic transport of a Johnson–Segalman fluid in an inclined asymmetric channel," *Communications in Nonlinear Science and Numerical Simulation,* vol. 15, no. 10, pp. 2860-2877, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:9ZlFYXVOiuMC>.

[603] S. Nadeem and N. Akbar, "Effects of temperature dependent viscosity on peristaltic flow of a Jeffrey-six constant fluid in a non-uniform vertical tube," *Communications in Nonlinear Science and Numerical Simulation,* vol. 15, no. 12, pp. 3950-3964, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:ULOm3_A8WrAC>.

[604] S. Nadeem and N. Akbar, "Peristaltic flow of Sisko fluid in a uniform inclined tube," *Acta Mechanica Sinica,* vol. 26, no. 5, pp. 675-683, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:_Qo2XoVZTnwC>.

[605] S. Nadeem and N. Akbar, "Influence of radially varying MHD on the peristaltic flow in an annulus with heat and mass transfer," *Journal of the Taiwan Institute of Chemical Engineers,* vol. 41, no. 3, pp. 286-294, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:ufrVoPGSRksC>.

[606] T. Hayat, S. Nadeem, R. Ellahi, and S. Asghar, "The influence of Hall current in a circular duct," *Nonlinear Analysis: Real World Applications,* vol. 11, no. 1, pp. 184-189, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:3s1wT3WcHBgC>.

[607] N. Akbar and S. Nadeem, "Simulation of heat and chemical reactions on Reiner Rivlin fluid model for blood flow through a tapered artery with a stenosis," *Heat and Mass transfer,* vol. 46, no. 5, pp. 531-539, 2010. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:5nxA0vEk-isC>.

[608] 安沃 and 胡塞因, *具有收缩表面的二阶流体驻点流动的级数解* (应用数学和力学). 2009, pp. 1173-1180.

[609] S. Nadeem, A. Hussain, M. Malik, and T. Hayat, "Series solutions for the stagnation flow of a second-grade fluid over a shrinking sheet," *Applied Mathematics and Mechanics,* vol. 30, no. 10, pp. 1255-1255, 2009. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:L8Ckcad2t8MC>.

[610] S. Nadeem and A. Hussain, "MHD flow of a viscous fluid on a nonlinear porous shrinking sheet with homotopy analysis method," *Applied Mathematics and Mechanics,* vol. 30, no. 12, pp. 1569-1569, 2009. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:Zph67rFs4hoC>.

[611] S. Nadeem, T. Hayat, N. Akbar, and M. Malik, "On the influence of heat transfer in peristalsis with variable viscosity," *International Journal of Heat and Mass Transfer 52 (21-22),* pp. 4722-4730, 2009. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:2osOgNQ5qMEC>.

[612] S. Nadeem and M. Ali, "Analytical solutions for pipe flow of a fourth grade fluid with Reynold and Vogel’s models of viscosities," *Communications in Nonlinear Science and Numerical Simulation,* vol. 14, no. 5, pp. 2073-2090, 2009. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:3fE2CSJIrl8C>.

[613] S. Nadeem and S. Akram, "Peristaltic transport of a hyperbolic tangent fluid model in an asymmetric channel," *Zeitschrift für Naturforschung-A,* vol. 64, no. 9, pp. 559-559, 2009. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:4TOpqqG69KYC>.

[614] S. Nadeem and N. Akbar, "Influence of heat transfer on a peristaltic flow of Johnson Segalman fluid in a non uniform tube," *International communications in heat and mass transfer,* vol. 36, no. 10, pp. 1050-1059, 2009. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:Tyk-4Ss8FVUC>.

[615] S. Nadeem and N. Akbar, "Peristaltic flow of a Jeffrey fluid with variable viscosity in an asymmetric channel," *Z. Naturforsch,* vol. 64, pp. 713-722, 2009. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:YOwf2qJgpHMC>.

[616] S. Nadeem and N. Akbar, "Influence of heat transfer on a peristaltic transport of Herschel–Bulkley fluid in a non-uniform inclined tube," *Communications in Nonlinear Science and Numerical Simulation,* vol. 14, no. 12, pp. 4100-4113, 2009. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:9yKSN-GCB0IC>.

[617] S. Nadeem and N. Akbar, "Effects of heat transfer on the peristaltic transport of MHD Newtonian fluid with variable viscosity: application of Adomian decomposition method," *Communications in Nonlinear Science and Numerical Simulation,* vol. 14, no. 11, pp. 3844-3855, 2009. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:u-x6o8ySG0sC>.

[618] S. Nadeem, S. Abbasbandy, and M. Hussain, "Series solutions of boundary layer flow of a micropolar fluid near the stagnation point towards a shrinking sheet," *Zeitschrift für Naturforschung-A,* vol. 64, no. 9, pp. 575-575, 2009. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:QIV2ME_5wuYC>.

[619] S. Nadeem, *Thin film flow of a third grade fluid with variable viscosity* (Zeitschrift für Naturforschung A 64 (9-10)). 2009, pp. 553-558.

[620] M. Malik, A. Hussain, S. Nadeem, and T. Hayat, "Flow of a third grade fluid between coaxial cylinders with variable viscosity," *Zeitschrift für Naturforschung-A,* vol. 64, no. 9, pp. 588-588, 2009. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:blknAaTinKkC>.

[621] S. Mahboob, M. Hussain, Z. Iqbal, and S. Nadeem, "Estimation of volatile organic compounds in farmed and wild rohu, Labeo rohita," *Iranian Journal of Fisheries Sciences,* vol. 8, no. 1, pp. 65-72, 2009. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:SdhP9T11ey4C>.

[622] M. Sajid, M. Awais, S. Nadeem, and T. Hayat, "The influence of slip condition on thin film flow of a fourth grade fluid by the homotopy analysis method," *Computers & Mathematics with Applications,* vol. 56, no. 8, pp. 2019-2026, 2008. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:0EnyYjriUFMC>.

[623] S. Nadeem and M. Awais, "Thin film flow of an unsteady shrinking sheet through porous medium with variable viscosity," *Physics Letters A,* vol. 372, no. 30, pp. 4965-4972, 2008. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:Y0pCki6q_DkC>.

[624] S. Nadeem, S. Asghar, T. Hayat, and M. Hussain, "The Rayleigh Stokes problem for rectangular pipe in Maxwell and second grade fluid," *Meccanica,* vol. 43, no. 5, pp. 495-504, 2008. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:bEWYMUwI8FkC>.

[625] S. Nadeem, "General periodic flows of fractional Oldroyd-B fluid for an edge," *Physics Letters A 368 (3-4),* pp. 181-187, 2007. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:KlAtU1dfN6UC>.

[626] M. Hameed and S. Nadeem, "Unsteady MHD flow of a non-Newtonian fluid on a porous plate," *Journal of Mathematical Analysis and Applications,* vol. 325, no. 1, pp. 724-733, 2007. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:hqOjcs7Dif8C>.

[627] S. Nadeem, "Hall effects on unsteady motions of a generalized second-grade fluid through a porous medium," *Journal of Porous Media,* vol. 9, no. 8, 2006. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:DUooU5lO8OsC>.

[628] S. Asghar, S. Nadeem, K. Hanif, and T. Hayat, "Analytic solution of Stokes second problem for second-grade fluid," *Mathematical Problems in Engineering,* vol. 2006, 2006. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:4DMP91E08xMC>.

[629] N. Akbar and S. Nadeem, "Electromagnetism, optics, acoustics, heat transfer, classical mechanics, and fluid dynamics," *Europhys. Lett,* vol. 74, no. 4, 2006. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:otzGkya1bYkC>.

[630] M. Khan, S. Nadeem, T. Hayat, and A. Siddiqui, *Unsteady motions of a generalized second-grade fluid* (Mathematical and Computer Modelling 41 (6-7)). 2005, pp. 629-637.

[631] T. Hayat, S. Nadeem, S. Asghar, and A. Siddiqui, "Effects of Hall current on unsteady flow of a second grade fluid in a rotating system," *Chemical Engineering Communications,* vol. 192, no. 10, pp. 1272-1284, 2005. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:M05iB0D1s5AC>.

[632] S. Nadeem, "Oscillatory Flows of Magnetohydrodynam Non-Newtonian Fluids," *Quaid-i-Azam University Islamabad, Pakistan,* 2004. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:35r97b3x0nAC>.

[633] T. Hayat, S. Nadeem, A. Siddiqui, and S. Asghar, "An oscillating hydromagnetic non-Newtonian flow in a rotating system," *Applied mathematics letters,* vol. 17, no. 5, pp. 609-614, 2004. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:UebtZRa9Y70C>.

[634] T. Hayat, S. Nadeem, and S. Asghar, "Hydromagnetic Couette flow of an Oldroyd-B fluid in a rotating system," *International journal of engineering science,* vol. 42, no. 1, pp. 65-78, 2004. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:IjCSPb-OGe4C>.

[635] T. Hayat, S. Nadeem, and S. Asghar, "Periodic unidirectional flows of a viscoelastic fluid with the fractional Maxwell model," *Applied mathematics and computation,* vol. 151, no. 1, pp. 153-161, 2004. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&pagesize=100&citation_for_view=zmuASIwAAAAJ:d1gkVwhDpl0C>.

[636] T. Hayat, K. Hutter, S. Nadeem, and S. Asghar, "Unsteady hydromagnetic rotating flow of a conducting second grade fluid," *Zeitschrift für angewandte Mathematik und Physik ZAMP,* vol. 55, no. 4, pp. 626-641, 2004. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:MXK_kJrjxJIC>.

[637] S. Asghar, K. Hanif, S. Nadeem, and T. Hayat, "Magnetohydrodynamic rotating flow of a second grade fluid with a given volume flow rate variation," *Meccanica,* vol. 39, no. 5, pp. 483-488, 2004. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:k_IJM867U9cC>.

[638] T. Hayat, S. Nadeem, S. Pudasaini, and S. Asghar, "Fluctuating flow of a third order fluid past an infinite plate with variable suction," *Archives of Mechanics,* vol. 55, no. 3, pp. 305-324, 2003. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:Tiz5es2fbqcC>.

[639] T. Hayat, S. Nadeem, S. Asghar, and A. Siddiqui, "MHD rotating flow of a third-grade fluid on an oscillating porous plate," *Acta mechanica 152 (1-4),* pp. 177-190, 2001. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:_kc_bZDykSQC>.

[640] T. Hayat, S. Nadeem, S. Asghar, and A. Siddiqui, "Fluctuating flow of a third-grade fluid on a porous plate in a rotating medium," *International journal of non-linear mechanics,* vol. 36, no. 6, pp. 901-916, 2001. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:WF5omc3nYNoC>.

[641] M. Khan *et al.*, "Volumes," *Journal of Porous Media,* vol. 1, no. 1, 1998. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:SxCCDk4iOpsC>.

[642] L. Zhang, Y. Wang, F. Wang, J. Zhang, S. Nadeem, and T. Nofal, "Novel numerical method based on the analog equation method for a class of anisotropic convection-diffusion problems," *Frontiers in Physics, 228*. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:ifOnle78iJkC>.

[643] A. SHER, S. NADEEM, and T. HAYAT, *Paper: PERISTALTIC FLOW OF A NANOFLUID IN A NON-UNIFORM TUBE*.

[644] A. SHER and S. NADEEM, *Paper: ENDOSCOPIC EFFECTS ON PERISTALTIC FLOW OF A NANOFLUID*.

[645] S. Saleem and S. Nadeem, *Analytical solutions for flow of Walter, s B fluid over a rotating cone with Soret and Dufour effects*.

[646] A. Saleem, W. Sabih, S. Nadeem, M. Ghalambaz, and A. Issakhov, "Theoretical aspects of micropolar nanofluid flow past a deformable rotating cone," *Mathematical Methods in the Applied Sciences*. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:LK8CI43ZvvMC>.

[647] A. Rehman, S. Nadeem, N. Abbas, and R. Mehmood, *Analytical view of magnetic hydrodynamics rotating flow of Barium Ferrite nanofluid with viscous dissipation*.

[648] S. Rana, R. Mehmood, and S. Nadeem, "Bioconvection through interaction of Lorentz force and gyrotactic microorganisms in transverse transportation of rheological fluid," *Journal of Thermal Analysis and Calorimetry, 1-15*. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:4aZ_i-5WJEQC>.

[649] S. NADEEM, H. UL, and C. LEE, *MHD FLOW OF A CASSON FLUID OVER AN EXPONENTIALLY SHRINKING SHEET (RESEARCH NOTE)*.

[650] S. NADEEM, H. UL, and C. LEE, *Paper: MHD FLOW OF A CASSON FLUID OVER AN EXPONENTIALLY SHRINKING SHEET (RESEARCH NOTE)*.

[651] S. NADEEM, A. SHER, and T. HAYAT, *Paper: POWER LAW FLUID MODEL FOR BLOOD FLOW THROUGH A TAPERED ARTERY WITH A STENOSIS*.

[652] S. NADEEM and A. SHER, *Paper: JEFFREY FLUID MODEL FOR BLOOD FLOW THROUGH A TAPERED ARTERY WITH A STENOSIS*.

[653] S. Nadeem, R. Mehmood, N. Akbar, and C. DBS, *Thermo-diffusion effects on MHD oblique stagnation-point flow of a viscoelastic fluid over a convective surface*.

[654] S. NADEEM and C. LEE, *Paper: BOUNDARY LAYER FLOW OF NANOFLUID OVER AN EXPONENTIALLY STRETCHING SURFACE*.

[655] S. Nadeem and C. Lee, *NANO IDEA Boundary layer flow of nanofluid over an*.

[656] S. Nadeem, M. Ijaz, and M. Ayub, *Darcy–Forchheimer flow under rotating disk and entropy generation with thermal radiation and heat source/sink*.

[657] S. Nadeem and A. Hussain, "同伦分析法求解非线性多孔收缩表面上黏性磁流体的流动," *应用数学和力学 30 (12), 1473-1481*. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:uc_IGeMz5qoC>.

[658] S. NADEEM, T. HAYAT, S. ABASBANDI, and M. ALI, *Paper: EFFECTS OF PARTIAL SLIP ON A FOURTH-GRADE FLUID WITH VARIABLE VISCOSITY: AN ANALYTIC SOLUTION*.

[659] S. Nadeem and R. U. Haq, "MHD Boundary Layer Flow of a Nanofluid Passed through a Porous Shrinking Sheet with Thermal Radiation," *Journal of Aerospace Engineering*. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=100&pagesize=100&citation_for_view=zmuASIwAAAAJ:yqoGN6RLRZoC>.

[660] S. Nadeem, R. Haq, and S. Ye, *MHD stagnation point flow of Carreau fluid toward a permeable shrinking sheet: Dual solutions*.

[661] S. Nadeem and N. Akbar, "感应磁场对竖直对称管道中 Johnson-Segalman 流体蠕动流的影响," *应用数学和力学 31 (8), 924-933*. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:1yQoGdGgb4wC>.

[662] S. Nadeem, S. Ahmad, and M. Khan, *Mixed convection flow of hybrid nanoparticle along a Riga surface with Thomson and Troian slip condition*.

[663] S. NADEEM, *Paper: GENERAL PERIODIC FLOWS OF FRACTIONAL OLDROYD-B FLUID FOR AN EDGE*.

[664] M. Nadeem, *Analytical solution of free convection heat transfer of hybrid nanofluids over a vertical flat plate embedded in a porous medium*.

[665] M. Khan and S. Nadeem, "MHD stagnation point flow of a Maxwell nanofluid over a shrinking sheet (multiple solution)," *Heat Transfer*. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:n3vGvpFsckwC>.

[666] M. Khan and S. Nadeem, "A comparative study between linear and exponential stretching sheet with double stratification of a rotating Maxwell nanofluid flow," *Surfaces and Interfaces 22, 100886*. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=200&pagesize=100&citation_for_view=zmuASIwAAAAJ:4e5Qn2KL_jwC>.

[667] S. Hussain, S. Nadeem, and R. Haq, *EPJ Plus*.

[668] A. Hussain, S. Akbar, L. Sarwar, and S. Nadeem, "Probe of Radiant Flow on Temperature-Dependent Viscosity Models of Differential Type MHD Fluid," *Mathematical Problems in Engineering 2020*. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:sJPMR1oEGYQC>.

[669] T. HAYAT, S. NADEEM, and S. ASGHAR, *Paper: PERIODIC UNIDIRECTIONAL FLOWS OF A VISCOELASTIC FLUID WITH THE FRACTIONAL MAXWELL MODEL*.

[670] S. Gupta, H. Alrabaiah, M. Christophe, M. Rahimi‐Gorji, S. Nadeem, and A. Bit, "Evaluation of silk‐based bioink during pre and post 3D bioprinting: A review," *Journal of Biomedical Materials Research Part B: Applied Biomaterials*. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=300&pagesize=100&citation_for_view=zmuASIwAAAAJ:z8nqeaKD1nsC>.

[671] M. Ghalambaz, A. Noghrehabadi, A. Chamkha, and S. Nadeem, "Analytical solution of free convection heat transfer of hybrid nanofluids over a vertical flat plate embedded in a porous medium," *Mathematical Methods in the Applied Sciences*. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:Zh0EY9V9P6UC>.

[672] R. Ellahi, S. Rahman, M. Gulzar, S. Nadeem, and K. Vafai, *A Mathematical Study of Non-Newtonian Micropolar Fluid in Arterial Blood Flow Through Composite*.

[673] R. Ellahi, M. Bhatti, C. Fetecau, and K. Vafai, *Electromagnetism, Optics, Acoustics, Heat Transfer, Classical Mechanics, and Fluid Dynamics*.

[674] N. Akbar, S. Nadeem, T. Hayat, and A. Hendi, *Emerald Article: Simulation of heating scheme and chemical reactions on the peristaltic flow of an Eyring-Powell fluid*.

[675] S. Ahmad, N. Ullah, and S. Nadeem, "Dual nature solutions for temperature‐dependent transport properties of nanofluid flow with entropy generation," *Numerical Methods for Partial Differential Equations*. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=500&pagesize=100&citation_for_view=zmuASIwAAAAJ:2vr6o8x5NLkC>.

[676] S. Ahmad, S. Nadeem, and M. Khan, "Enhanced transport properties and its theoretical analysis in two-phase hybrid nanofluid," *Applied Nanoscience, 1-8*. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=400&pagesize=100&citation_for_view=zmuASIwAAAAJ:4Yq6kJLCcecC>.

[677] B. Ahmad *et al.*, "Adlakha, N., see Makrariya, A. 6 (2015) 1550074 Ahmad, B., see Hayat, T. 5 (2015) 1550061 Ahmad, B., see Hayat," *IJB 1793, 5245*. [Online]. Available: <https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zmuASIwAAAAJ&cstart=600&pagesize=100&citation_for_view=zmuASIwAAAAJ:BJrgspguQaEC>.

[678] N. Abbas, S. Nadeem, A. Saleem, A. Issakhov, M. Abdel-Sattar, and S. Aly, *Analysis of non-newtonian fluid with phase flow model*.

## Google Scholar Profile

**Citations:** 23005 **i10-index** 474 ***h*-index** 76

## Skills

## Language Skills

## Mother language: Punjabi

## Other languages: Urdu; Native speaker

## English: Listening; C1, Reading; C1, spoken interaction; C1, spoken production; C1, writing; C1

### Research Skills

* Good communications and presentation skills
* Technical writing for journal articles
* Critical reviews of research articles and reports
* Mathematical modeling
* Analytical and closed form solutions

## Computer Languages/Programs

* Microsoft-Office
* MATLAB
* GNU-Octave
* Mathematica
* Maple

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**Date:** October 01, 2022, Signature