

DR. N. AMEER AHAMMAD
Mobile: +966508862301
Email: n.ameer1234@gmail.com
anaudalur@ut.edu.sa



Career Objective:

To utilize my potentials of communication, teaching and research skills in a competent manner in career development and in institutional growth.

Professional Experience:

- Working as **Associate Professor in Mathematics** at **Department of Mathematics, Faculty of Science, UNIVERSITY OF TABUK, TABUK, KSA**, since from Sept,2021 to till now.
- Working as **Assistant Professor in Mathematics** at **Department of Mathematics, Faculty of Science, UNIVERSITY OF TABUK, TABUK, KSA**, since from Jan, 2011 to Sept,2021.
- Worked as **Assistant Professor in Mathematics** at **SRM UNIVERSITY, Kattangalathur campus, Chennai-603 203**. since from Oct, 2009 to Dec 2010.
- Worked as **Assistant Professor in Mathematics** at **Asifia College of Engineering & Technology, Ibrahimpatnam, Hyderabad**, since from October 2007 to Sept, 2009.

Educational Profile:

- **2003-2007: Ph.D in Mathematics, with title "Study of Natural Convection in a Vertical Annular Cylinder Embedded with Porous Medium"** from Sri. Krishnadevaraya University, Anantapur, A.P, India.
- **2000-2002: M.Sc.** from Sri Krishnadevaraya University, Anantapur, A.P, India with First Class and Distinction
- **1996-1999: B.Sc.,** from Sri Venkateswara Degree College, Kadapa, affiliated to Sri Venkateswara University, Tirupathi, India, with First Class and Distinction.

List of Publications in 2026:

1. Sensitivity Analysis and Investigation of Non-Newtonian Blood Flow Characteristics via Prandtl–Eyring Model in an Elliptical Stenosed Artery, Muhammad Hasnain Shahzad, Aleeza Arsha, Aziz Ullah Awan, **N. Ameer Ahammad**, Mohammad Alharthi, Hanadi Alzubadi, **ZAMM - Journal of Applied Mathematics and Mechanics**, (13th April, 2026), <https://doi.org/10.1002/zamm.70424>, SCIE-Q1.
2. Energy Transport Analysis of Bioconvective Magnetized Micropolar Fluid Flow Over a Porous Curved Stretching Surface With Homogeneous–Heterogeneous Reactions, Muhammad Naveed Khan, Naveed Ahsan, **N. Ameer Ahammad**, Reem Alreshidi, Mohammad Yar, Ibrahim E. Elseesy, **International Journal of Energy Research**, (28th March, 2026), :7855245, <https://doi.org/10.1155/er/7855245>, SCIE-Q1.
3. Bioconvective flow and heat transport analysis of water-based nanoparticles with variable viscosity and Non-Fourier–Non-Fick effects, Muhammad Naveed Khan, Shafiq Ahmad, Aamir Abbas Khan, **N. Ameer Ahammad**, Taoufik Saidani, Mostafa A.H. Abdelmohimen, **Computers in Biology and Medicine**, (19th March, 2026), 111626, <https://doi.org/10.1016/j.combiomed.2026.111626>, SCIE-Q1.
4. Investigation of Randomness in Blood-Based Nanofluid Due to Stenosis in Elliptic Arteries: Modeling in Fuzzy Environment towards the Neurovascular Disability, Aleeza Arshad, Kamel Guedri, Muhammad Hasnain Shahzad, Sohail Nadeem, Aziz Ullah Awan, **N. Ameer Ahammad**, Bandar M. Fadhl, **Brazilian Journal of Physics**, (10th March, 2026) 56:115, <https://doi.org/10.1007/s13538-026-02035-5>, SCIE-Q3.
5. Numerical analysis of MHD rotating micropolar nanofluid flow characteristics using Buongiorno model, **N. Ameer Ahammad**, Esmail Alshaban, Abeer M. Alotaibi & Adel Alatawi, **Z Angew Math Mech**, (ZAMM), (22, January, 2026), <https://doi.org/10.1002/zamm.70333>, SCIE-Q1.

List of Publications in 2025:

1. Analysis of the Entropy Generation and Effects of Peristalsis on Prandtl–Eyring fluid Flow in an Elliptical Channel: Streamlines Case, **N. Ameer Ahammad**, Esmail Al shaban, Adel Alatawi, Fahad Maqbul Alamrani, **Journal of Computational and Nonlinear Dynamics**, (24th, December, 2025) 1-24, Paper No: CND-25-1252. <https://doi.org/10.1115/1.4070444>, SCIE-Q2.
2. Simulations for electrically conducting Au-MoS nanofluid flow over a convectively heated rotating disk: a numerical and regression study, Khursheed Muhammad, Mahnoor Sarfraz, **N. Ameer Ahammad**, Ibrahim E. Elseesy, **Journal of Thermal Analysis and Calorimetry**, (15th December, 2025), <https://doi.org/10.1007/s10973-025-14927-w>, SCIE-Q2.
3. Regression analysis of squeezed nanofluid flow between radially stretching disks via OHAM: A comparative study, Khursheed Muhammad, **N. Ameer Ahammad**, Amna Ali, Mahnoor Sarfraz, Ibrahim E. Elseesy, **International Journal of Modern Physics B**, (5th December, 2025), [DOI: 10.1142/S0217979225502819](https://doi.org/10.1142/S0217979225502819), SCIE-Q3.

4. Computational assessment of entropy generation interaction for gravity-driven Darcy–Forchheimer Casson nanomaterial over a spinning sphere, Muhammad Naveed Khan, Shafiq Ahmad, Roobaea Iroobaea, **N. Ameer Ahammad**, Muhammad Yasir, **The European Physical Journal Plus**, (1st, December, 2025), <https://doi.org/10.1140/epjp/s13360-025-07093-3>, SCIE-Q2.
5. Energy transport in ternary hybrid nanofluid with variable thermal conductivity under the combined effects of electroviscous, electric potential, and heat generation, Shafiq Ahmad, Aamir Abbas Khan, Muhammad Naveed Khan, Salah Knani, **N. Ameer Ahammad**, Ibrahim E. Elseesy, **Dynamics of Atmospheres and Oceans**, (26th, November, 2025) 112, <https://doi.org/10.1016/j.dynatmoce.2025.101619>, SCIE-Q2.
6. Influence of coriolis force and nanoparticle aggregation on entropy generation and thermal conductivity in dusty nanofluid flow: a numerical investigation, Bagh Ali, Muzammil Hussain, Aziz Ullah Awan, **N. Ameer Ahammad**, Fehmi Gamaoun, Daba Meshesha Gusu & Sohail Nadeem, **Scientific Reports**, (27th, November, 2025) 15:42278, <https://doi.org/10.1038/s41598-025-27894-x>, SCIE-Q1.
7. Optimizing entropy generation in MHD Maxwell dusty nanofluid flow via nanoparticle radius and inter-particle spacing on an inclined stretching sheet, Aziz Ullah Awan, Shafiullah Niaza, Muzammil Hussain, Bagh Ali, **N. Ameer Ahammad**, Fehmi Gamaoun & Sohail Nadeem, **Scientific Reports**, (06th, November, 2025) 15:38931, <https://doi.org/10.1038/s41598-025-22833-2>, SCIE-Q1.
8. Normal impingement of hybrid nanofluid over heated rotating disk: Calculation of wall stress and pressure distribution, Awais Ahmed, Israr Ali A Khan, **N. Ameer Ahammad**, Esmail Al shaban, Walid Abdelfattah, Mohamed Abdelghany Elkotb, **Case Studies in Thermal Engineering**, (21st October, 2025), 107281, <https://doi.org/10.1016/j.csite.2025.107281>, SCIE-Q1.
9. Medium porosity and resistive heating impact on convective flow of water-based hybrid nanofluid: irreversibility process analysis, Awais Ahmed, Muhammad Naveed Khan, Shahzad Khattak, **N. Ameer Ahammad**, Mohamed Hussien & Taoufik Saidani, **Journal of Thermal Analysis and Calorimetry**, (14th October, 2025), <https://doi.org/10.1007/s10973-025-14845-x>, SCIE-Q2.
10. Machine learning-driven analysis of heat transfer and entropy generation in blood nanofluid flow for biomedical applications, **N. Ameer Ahammad**, Muteb Ahmed Alshehri, Esmail Al shaban, Adel Alatawi, **Case Studies in Thermal Engineering**, (29th September, 2025), 75, 107136, <https://doi.org/10.1016/j.csite.2025.107136>, SCIE-Q1.
11. Rheology of thermally nonlinear radiated flow of cross-material induced by shrinking surface: Heat radiation applications, Muhammad Yasir, Abaker A. Hassaballa, Muhammad Naveed Khan, **N. Ameer Ahammad**, Esmail Al shaban, Abaker A. Hassaballa, Ibrahim E. Elseesy, **Journal of Radiation Research and Applied Sciences**, 18 (10th Sept, 2025) 101956, <https://doi.org/10.1016/j.jrras.2025.101956>, SCIE-Q2.
12. Numerical investigation of buoyant convection in a porous C-shaped cavity using water-hybrid nanofluids: artificial neural network analysis for enhanced solar collector thermal management, Mohammed N. Alshehri, A. F. Aljohani, **N. Ameer Ahammad**, **Applied Water Science**, (July, 2025), <https://doi.org/10.1007/s13201-025-02591-2>, SCIE-Q1.

13. Computational analysis of entropy generation in EMHD micropolar dusty fluid flow incorporating esterification process, Aziz Ullah Awan, Muzammil Hussain, Bagh Ali, **N. Ameer Ahammad**, Fehmi Gamaoun, Jeevan Kafle & Sohail Nadeem, **Scientific Reports**, (17 August, 2025) **15:30146**, <https://doi.org/10.1038/s41598-025-15017-5>, SCIE-Q1.
14. Upgraded Yamada-Ota and Xue models based thermal heat transport analysis of ternary hybrid nanofluid: non-similar solutions approach, Bushra Ishtiaq, **N. Ameer Ahammad**, Esmail Al shaban, Mohamed Abdelghany Elkotb, **Case Studies in Thermal Engineering**, (14th August, 2025),**14, 106893**, <https://doi.org/10.1016/j.csite.2025.106893>, SCIE-Q1.
15. Significance of radiative heat conduction on bioconvection flow of Maxwell fluid flow with homogenous-heterogenous reactions, Muhammad Naveed Khan, Naveed Ahsan, Awatif Alhowaity, **N. Ameer Ahammad**, Ibrahim E. Elseesy, **Journal of Radiation Research and Applied Sciences**,**18 (July,30,2025) 101853**, <https://doi.org/10.1016/j.jrras.2025.101853>, SCIE-Q2.
16. Optimization of heat transfer and entropy for Maxwell dusty fluid: Significance of Lorentz force and variable viscosity, Aziz Ullah Awan, Sidra Qayyum, Bagh Ali, Fehmi Gamaoun, Nehad Ali Shah, **N. Ameer Ahammad**, Sohail Nadeem, **Engineering Science and Technology, an International Journal**, **69, 102129 (September,2025)**, <https://doi.org/10.1016/j.jestech.2025.102129>, SCIE-Q1.
17. Characterization of thermal buoyancy forces and suction on bioconvective magnetohydrodynamic dusty nanofluid flow over a stretching surface, Muzammil Hussain, Aziz Ullah Awan, Khaled A. Gepreel, Bagh Ali, **N. Ameer Ahammad**, Sohail Nadeem, **Mod. Phys. Lett. B**, (June,28, 2025) **2550209**, [DOI: 10.1142/S0217984925502094](https://doi.org/10.1142/S0217984925502094), SCIE-Q1.
18. Computational investigation of phase change material and gyrotactic microorganism in rheological nanomaterial, Muhammad Yasir, M.N. Khan, **N. Ameer Ahammad**, Walid Abdelfattah, Mohamed Hussien, **Journal of Radiation Research and Applied Sciences**,**18 (April,21,2025) 101560**, <https://doi.org/10.1016/j.jrras.2025.101560>, SCIE-Q2.
19. Entropy Generation and Heat Transfer Analysis of the Hydromagnetic Flow of Three Distinct Viscoelastic Fluids Over a Cone with Soret and Dufour Effects via Machine Learning, S. Varshega, P.Francis, P. Sambath, **N. Ameer Ahammad** & H. Thameem Basha, **Heat Transfer**, (April,15,2025), 1-27, <https://doi.org/10.1002/htj.23328>, ESCIE-Q2.
20. Melting heat transport reliability on dynamics of tri-hybrid nanofluid due to inclined shrinking surface, Muhammad Yasir, Roobaea Alroobaea, **N. Ameer Ahammad**, Ibrahim E. Elseesy, **Case Studies in Thermal Engineering**, (3rd April, 2025), **106059**, <https://doi.org/10.1016/j.csite.2025.106059>, SCIE-Q1.
21. Insight into heat transport exploration of rotating Darcy Forchheimer flow of hybrid nanofluid, Muhammad Yasir, Haitao Qi, Ibrahim E. Elseesy, **N. Ameer Ahammad**, **Case Studies in Thermal Engineering**, (3rd March, 2025), **105980**, <https://doi.org/10.1016/j.csite.2025.105980>, SCIE-Q1.
22. Synergistic effects of cadmium telluride and graphite nanoparticles with entropy analysis through Keller-box method, Mahnoor Sarfraz, Khursheed Muhammad, **N. Ameer Ahammad**, Ibrahim E. Elseesy, **International Communications in Heat and Mass Transfer**, **163**, (12th February, 2025),

108667, <https://doi.org/10.1016/j.icheatmasstransfer.2025.108667>, SCIE-Q1.

23. Improving thermal efficiency through Cu-MoS₂ hybrid nanomaterials: A numerical and statistical approach, Khursheed Muhammad, Mahnoor Sarfraz, **N. Ameer Ahammad**, Ibrahim E. Elseesy, **Chaos, Solitons & Fractals**, (January, 2025), 116014, <https://doi.org/10.1016/j.chaos.2025.116014>, SCIE-Q1.
24. Heat transport efficiency in rheology of radiated casson material due to porous shrinking cylinder, Muhammad Yasir, **N. Ameer Ahammad**, Aisha M. Alqahtani, Yahia Said, **Case Studies in Thermal Engineering**, (January, 2025), 105777, <https://doi.org/10.1016/j.csite.2025.105777>, SCIE-Q1.

List of Publications in 2024:

1. The impact of nano-infused phase change materials and blossom-shaped fins on thermal energy storage, Hassan Waqas, Mohib Hussain, Qasem M. Al-Mdallal, **N. Ameer Ahammad**, Ibrahim E. Elseesy, **Case Studies in Thermal Engineering**, (December, 2024), <https://doi.org/10.1016/j.csite.2024.105623>, SCIE-Q1.
2. Numerical computation of bio-convective Carreau blood nanofluid flow across three geometries with nonlinear thermal radiation: heat transfer optimization via supervised machine learning. Omar Salah H Alhamdi & **Ameer Ahammad**, **The European Physical Journal Special Topics**, (November, 2024), DOI :10.1140/epjs/s11734-024-01407-9, SCIE-Q2.
3. Thermal transport analysis for entropy generated flow of hybrid nanomaterial flow: Modified Cattaneo-Christov heat and Darcy-Forchheimer, Muhammad Yasir, Muhammad Naveed Khan, Mostafa A. Hussien, **N. Ameer Ahammad**, Mohamed Abdelghany Elkotb, **Multidiscipline Modeling in Materials and Structures**, Vol.21, No.2, pp.291-307, (November, 2024), DOI [10.1108/MMMS-08-2024-0220](https://doi.org/10.1108/MMMS-08-2024-0220), SCIE-Q3.
4. Investigation of Sutterby fluid flow through elliptic multi-stenosed artery: analytical solutions of blood flow problem, Aziz Ullah Awan, Muhammad Hasnain, Sohail Nadeem, Haneen Hamam, **N. Ameer Ahammad** & Aleeza Arshad, **Multidiscipline Modeling in Materials and Structures**, (October, 2024), DOI [10.1108/MMMS-07-2024-0209](https://doi.org/10.1108/MMMS-07-2024-0209), SCIE-Q3.
5. Comparative analysis of buoyancy-driven hydromagnetic flow and heat transfer in a partially heated square enclosure using Cu-Fe₃O₄ and MoS₂-Fe₃O₄ nanofluids, **N. Ameer Ahammad**, **International Journal of Numerical Methods for Heat & Fluid Flow**, (October, 2024), <https://doi.org/10.1108/HFF-06-2024-0415>, SCIE-Q1.
6. Flow dynamics over cylinder in two-dimensional benchmark problem: A finite element approximation, Sadaf Nasreen, Taj Munir, Saif Ullah, Hussan Zeb, **N. Ameer Ahammad**, Mohamed Abdelghany Elkotb, **Mathematical Methods in the Applied Sciences**, (September, 2024), DOI: [10.1002/mma.10527](https://doi.org/10.1002/mma.10527), SCIE-Q1.
7. Mixed convected synchronization of gyrotactic microorganism flow of an Eyring–Powell nanofluid over a riga plate, Aziz Ullah Awan, Syed Asif Ali Shah, Sidra Qayyum, Hanadi Alzubadi, **N. Ameer Ahammad**, Roobaea Al roobaea, **ZAMM (Zeitschrift fur Angewandte Mathematik und Mechanik)**, (August, 2024), DOI: [10.1002/zamm.202301055](https://doi.org/10.1002/zamm.202301055), SCIE-Q2.
8. Exploring the dynamics of gyrotactic microorganisms for thermally convective material of Casson

fluid with non-uniform heat source/sink, Muhammad Yasir, S. Bilal. Mohamed Hussien, **N. Ameer Ahammad**, **Multiscale and Multidisciplinary Modelling, Experiments and Design**, (August, 2024), <https://doi.org/10.1007/s41939-024-00574-5>, SCIE-Q3.

9. Rheological effects in peristaltic flow of Prandtl fluid through elliptical duct: A comprehensive analysis, Muhammad Hasnain Shahzad, Aziz Ullah Awan, Sohail Nadeem, **N. Ameer Ahammad**, Haneen Hamam, Ahmed Alamer, Sidra Shafique, **ZAMM (Zeitschrift fur Angewandte Mathematik und Mechanik)**, (July, 2024), [DOI: 10.1002/zamm.202400094](https://doi.org/10.1002/zamm.202400094), SCIE-Q2.
10. Analysis of chemical characteristics of engine-oil-based Prandtl hybrid nanofluid flow, Aziz Ullah Awan, Sidra Qayyum, Sohail Nadeem, **N. Ameer Ahammad**, Khaled A. Gepreel, Mohammed Alharthi and Moataz Alosaimi, **ZAMM (Zeitschrift fur Angewandte Mathematik und Mechanik)**, (July, 2024), [DOI: 10.1002/zamm.202400050](https://doi.org/10.1002/zamm.202400050), SCIE-Q2.
11. Thermal irregular generation and absorption of nanoscale energy transportation of thermodynamic material of a micropolar fluid, Muhammad Yasir, S. Bilal, **N. Ameer Ahammad**, Ibrahim E. Elseesy, **Ain Shams Engineering Journal**, (June, 2024), 102948, <https://doi.org/10.1016/j.asej.2024.102948>, SCIE-Q1.
12. Mixed convective flow analysis of a Maxwell fluid with double diffusion theory on a vertically exponentially stretching surface, Muhammad Naveed Khan· Zhentao Wang, **N. Ameer Ahammad**, Shahram Rezapour, Meshal Shutaywi, Naim Ben Ali, Mohamed Abdelghany Elkotb, **Applied Water Science** (June, 2024), <https://doi.org/10.1007/s13201-024-02235-x>, SCIE-Q1.
13. Enhanced Heat Transfer in Viscoelastic Fluids with Periodic Magnetic Fields and Dusty Nanoparticles between Two Parallel Plates under Thermal Radiation, Dolat khan, Gohar Ali, Ibrahim Mahariq, Mostafa A. H. Abdelmohimen, **N. Ameer Ahammad**, Mohamed R. Ali, **Case Studies in Thermal Engineering**, (June, 2024), 104686, <https://doi.org/10.1016/j.csite.2024.104686>, SCIE-Q1.
14. Investigation of Prandtl-Eyring fluid flow under the influence of peristalsis through an inclined elliptic channel, Muhammad Hasnain Shahzad, Madiha Akram, Sohail Nadeem, **N. Ameer Ahammad**, Aziz Ullah Awan & Hanadi Alzubadi, **Numerical Heat Transfer, Part A: Applications**, (June, 2024) <https://doi.org/10.1080/10407782.2024.2362347>, SCIE-Q2.
15. Thermal characterization of Sutterby nanofluid flow under Riga plate Tiwari and Das model, Syed Asif Ali Shah, Sidra Qayyum, Sohail Nadeem, Hanadi Alzubadi, **N. Ameer Ahammad**, Aziz Ullah Awan and Roobaea Alroobaea, **Modern Physics Letters B**, (May, 2024), [DOI: 10.1142/S0217984924504219](https://doi.org/10.1142/S0217984924504219), SCIE-Q3.
16. Radiation-influenced magnetohydrodynamic third-grade nanofluid flow around non-linearly stretched cylinder, Asia Ali Akbar, Aziz Ullah Awan, Shafiullah Niazai, Sohail Nadeem, **N. Ameer Ahammad**, Roobaea Alroobaea, Hanadi Alzubadi & Fehmi Gamaoun, **Journal of Computational Design and Engineering**, (April, 2024), [DOI: 10.1093/jcde/qwae038](https://doi.org/10.1093/jcde/qwae038), SCIE-Q1.
17. Unfolding some numerical solutions for the magnetohydrodynamics Casson–Williamson nanofluid

flow over a stretching surface, Kashif Ali Khan, Miguel Vivas-Cortez, **N. Ameer Ahammad**, Hafiza Bushra, Fehmi Gamaoun, Muhammad Faraz Javed and Nauman Raza, **Journal of Computational Design and Engineering**, (April, 2024), <https://doi.org/10.1093/jcde/qwae036>, SCIE-Q1.

18. Non-Newtonian blood flow across stenosed elliptical artery: Case study of nanoparticles for brain disabilities with fuzzy logic, Muhammad Hasnain Shahzad, **N. Ameer Ahammad**, Sohail Nadeem, Aziz Ullah Awan, Kamel Guedri, Ahmed Alamer and Bandar M. Fadhl, **Modern Physics Letters B**, (April, 2024), [DOI: 10.1142/S0217984924504700](https://doi.org/10.1142/S0217984924504700), SCIE-Q3.
19. Rheology of Eyring-Powell hybrid nanofluid flow under the peristaltic effects through an elliptical conduit: Analytical investigation, Madiha Akram, Muhammad Hasnain, **N. Ameer Ahammad**, Fehmi Gamaoun, Aziz Ullah Awan, Haneen Hamam, Roobaea Alroobaea, **Results in Physics**, (March,2024), <https://doi.org/10.1016/j.rinp.2024.107602>, SCIE-Q1.
20. Thermal inspection of hybrid nanofluid flows over a stretched cylinder at an oblique stagnation point with variable characteristics, Shuguang Li, Nazia Shahmir, Muhammad Ramzan, **N. Ameer Ahammad**, Abdullah M. S. Alhuthali, C. Ahamed Saleel, Seifedine Kadry, **ZAMM (Zeitschrift fur Angewandte Mathematik und Mechanik)**, (April, 2024), <https://doi.org/10.1002/zamm.202300837>, SCIE-Q2.
21. Heat Transfer Analysis of Carreau-Yasuda Nanofluid Flow with Variable Thermal Conductivity and Quadratic Convection, Asia Ali Akbar , Aziz Ullah Awan,, Sohail Nadeem, **N. Ameer Ahammad**, Nauman Raza, Mowffaq Oreijah, Kamel Guedri, Seham Ayesh Allahyani, **Journal of Computational Design and Engineering**, (January, 2024), <https://doi.org/10.1093/jcde/qwae009>, SCIE-Q1.

List of Publications in 2023:

1. Numerical investigation and thermal transport features of magnetic hybrid nanoparticles flow over a poignant tiny needle subject to Joule heating and slip boundary condition, Zahoor Iqbal, S. Priya, A. K. Abdul Hakeem, Ridha Selmi, Abdulrahman Alsawi, Manasik M. Nour, Fahima Hajje, **N. Ameer Ahammad**, Maryam Ahmed Alyami and El Sayed Yousef, **Modern Physics Letters B**, (December, 2023), [DOI: 10.1142/S0217984924502142](https://doi.org/10.1142/S0217984924502142), SCIE-Q3.
2. Dual therapy of cancer using optimal control supported by swarm intelligence, treatment outcomes using metaheuristic optimization algorithm, Poh Ling Tan , Jeevan Kanesan, Joon Huang Chuah, Irfan Anjum Badruddin, Abdallah Abdellatif, Sarfaraz Kamangar, Mohamed Hussien, Maughal Ahmed Ali Baig & **N. Ameer Ahammad**, **Bio-Medical Materials and Engineering**, **1**, (December, 2023), [DOI: 10.3233/BME-230150](https://doi.org/10.3233/BME-230150), SCIE-Q4.
3. Optimizing chemotherapy treatment outcomes using metaheuristic optimization algorithms, P.G.Samy, J.Kanesan, Irfan Anjum Badruddinf, Sarfaraz Kamangar & **N. Ameer Ahammad**, **Bio-Medical Materials and Engineering**, **1**, (December, 2023), [DOI: 10.3233/BME-230149](https://doi.org/10.3233/BME-230149), SCIE-Q4.

4. Analysis of Pulsatile Blood Flow through Elliptical Multi-Stenosed Inclined Artery Influenced by Body Acceleration, Aziz Ullah Awana, Muhammad Usman Khalid, Sohail Nadeem , Muhammad Hasnain Shahzad, **N. Ameer Ahammad**, Fehmi Gamaoun, Ahmed M. Hassan, **Engineering Science and Technology, an International Journal**, **47**,101545(September,2023), <https://doi.org/10.1016/j.jestch.2023.101545>, SCIE-Q1.
5. Variable fluid properties and concentration species analysis of a chemically reactive flow of micropolar fluid between two plates in a rotating frame with cross diffusion theory, Muhammad Naveed Khan, Mostafa A. Hussien , F.M.Allehiany , **N. Ameer Ahammad** , Zhentao Wang, Ebrahim A. Algehyne, **Tribology International**, (September,2023), **108943**, <https://doi.org/10.1016/j.triboint.2023.108943>, SCIE-Q1.
6. Computational assessment of MHD Carreautri-hybrid nano-liquid flow along an elongating surface with entropy generation: A comparative study, Susmay Nandia, Zahoor Iqbal, Mohammed Alhagyan, **N.AmeerAhammad**, NafisaA.M.Albasheir, Ameni Gargouri, Sharifah E.Alhazmi, Sayed M Eldin, **Case Studies in Thermal Engineering**, **49**, (September, 2023), 103420, <https://doi.org/10.1016/j.csite.2023.103420>, SCIE-Q1.
7. Thermal convection and entropy generation analysis of hybrid nanofluid slip flow over a horizontal poignant thin needle with an inclined magnetic field: A numerical study, Zahoor Iqbal, S.Priya, A.K.Abdul Hakeem, **N. Ameer Ahammad**, Dowlath Fathima, Manasik M.Nour, M.M.Alqarni, Amjad Aldeesh & Sharifa E.Alhazmi, (August, 2023), **Modern Physics Letters B**, <https://doi.org/10.1142/S0217984924500040>, SCIE-Q2.
8. Insight into the motion of ethylene glycol converging Magnesium oxide and Aluminium oxide nanoparticles with emphasis on “upper branch” and “lower branch” solutions, Muhammad Naveed Khana, Mostafa A. Hussien, **N. Ameer Ahammad**, Hassan Ali Ghazwani, M.A. El-Shorbagy, **Alexandria Engineering Journal**, **79**, (August, 2023), pp.366–373, <https://doi.org/10.1016/j.aej.2023.08.028>, SCIE-Q1.
9. Bioconvective surface-catalyzed Casson hybrid nanofluid flow analysis by using thermodynamics heat transfer law on a vertical cone, Naveed Khan, Shafiq Ahmad, Zhentao Wang, **N.Ameer Ahammad**, Mohamed Abdelghany Elkotb, **Tribology International**, (August,2023), **188**,108859, <https://doi.org/10.1016/j.triboint.2023.108859>, SCIE-Q1.
10. Chemotaxis bioconvection in swirling flow of Maxwell fluid with diffusion-thermo and thermal-diffusion effects, Muhammad Naveed Khan, Awais Ahmed, **N. Ameer Ahammad**, Zhentao Wanga, Ahmed M. Hassan, Mohamed Abdelghany Elkotb, **Case Studies in Thermal Engineering**, **49**, (July, 2023), 103334, <https://doi.org/10.1016/j.csite.2023.103334>, SCIE-Q1.
11. Heat Transfer Characteristics for Solar Energy Aspect on the Flow of Tangent Hyperbolic Hybrid Nanofluid over a Sensor Wedge and Stagnation Point Surface, Asmaa Habib Alanzi and **N. Ameer Ahammad**, **Frontiers in Heat and Mass Transfer**, (July, 2023), DOI: [10.32604/fhmt.2023.042009](https://doi.org/10.32604/fhmt.2023.042009), pp.1-19, (ESCI).
12. Entropy optimization and response surface methodology of blood hybrid nanofluid flow through composite stenosis artery with magnetized nanoparticles (Au-Ta) for drug delivery application, Ebrahim A. Algehyne, **N.Ameer Ahammad**, Mohamed E. Elnair, Mohamed Zidan,

Yasir Y. Alhusayni, B. O. El-Bashir, Anwar Saeed, Ali Saleh Alshomrani & Faris Alzahrani, **Scientific Reports**, (June, 2023), 13:9856, <https://doi.org/10.1038/s41598-023-36931-6>, SCIE-Q2.

13. Enhancing Heat Transfer in Blood Hybrid Nanofluid Flow with Nanoparticles and Electrical Field in a Tilted Cylindrical W-Shape Stenosis Artery: A Finite Difference Approach, Ebrahim A. Algehyne; **N. Ameer Ahammad**; Mohamed E. Elnair; Mohamed Zidan; Yasir Y. Alhusayni; Babikir Osman El-Bashir; Anwar Saeed; Ali Saleh Alshomrani; Faris Alzahrani, **Symmetry** (June, 2023), **15(6)**, **124**, <https://doi.org/10.3390/sym15061242>, SCIE-Q2.
14. Response surface methodology optimization of dynamical solutions of lie group analysis for nonlinear radiated magnetized unsteady wedge: Machine Learning Approach (Gradient Descent), M. Dinesh Kumar, **N. Ameer Ahammad**, C.S.K. Raju, Se-Jin Yook, Nehad Ali Shah, Sayed M. Tag, **Alexandria Engineering Journal**, Vol.74, (May, 2023), pp. 29-50, <https://doi.org/10.1016/j.aej.2023.05.009>, SCIE-Q1.
15. Adaptive Self-Organizing Map Using Optimal Control, Ali Najem Alkawaz, Jeevan Kanesan, Irfan Anjum Badruddin, Sarfaraz Kamangar, Mohamed Hussien, Maughal Ahmed Ali Baig, & **N. Ameer Ahammad**, **Mathematics**, (April, 2023), 11, 1995. <https://doi.org/10.3390/math11091995>, SCIE-Q1.
16. On the steady flow of non-Newtonian fluid through multi-stenosed elliptical artery: A theoretical model, Muhammad Hasnain Shahzad, Sohail Nadeem, Aziz Ullah Awan, Seham Ayesah Allahyani, **N. Ameer Ahammad**, Sayed M. Eldin, **Ain Shams Engineering Journal**, (April, 2023), Article No.102262, Online, <https://doi.org/10.1016/j.asej.2023.102262>, SCIE-Q1.
17. Effects of Thermal Radiation and Variable Density of Nanofluid Heat Transfer along a Stretching Sheet by using Keller Box Approach under magnetic field, Fehmi Gamaoun, Zia Ullah, **N. Ameer Ahammad**, Bandar M. Fadhl, Basim M. Makhdom, Aamir Abbas Khan, **Thermal Science and Engineering Process**, Available online (30th March, 2023), 101815, <https://doi.org/10.1016/j.tsep.2023.101815>, SCIE-Q1.
18. The impacts of Shape Factors in a chemically reacting two-passage vertical channel filled with Kerosene based graphene oxide and MoS₂ mixture in a porous medium, Pavithra K M, Hanumagowda B N, SVK Varma, **N. Ameer Ahammad**, C.S.K. Raju, S. Noeiaghdam, **Results in Engineering**, Vol.18, (March 2023), 101050, <https://doi.org/10.1016/j.rineng.2023.101050>, ESCI
19. Solutal effects on thermal sensitivity of casson nanofluids with comparative investigations on Newtonian (water) and non-Newtonian (blood) base liquids, Jyoti Sharma, **N. Ameer Ahammad**, Abderrahim Wakif, Nehad Ali Shah, Jae Dong Chung, Wajaree Weera, **Alexandria Engineering Journal**, Vol.71, (March, 2023), pp. Pages 387-400, <https://doi.org/10.1016/j.aej.2023.03.062>, SCIE-Q1
20. Computational and Stability Analysis of MHD Time-Dependent Thermal Reaction Flow Impinging on a Vertical Porous Plate Enclosing Magnetic Prandtl Number and Thermal Radiation Effect, Zeeshan, **N. Ameer Ahammad**, Nehad Ali Shah, Jae Dong Chung & Muhammad Shoaib Khan, **Mathematics**, (March, 2023), 11, 1376. <https://doi.org/10.3390/math11061376>, SCIE-Q1.
21. Role of Nanofluid and Hybrid Nanofluid for Enhancing Thermal Conductivity towards Exponentially Stretching Curve with Modified Fourier Law Inspired by Melting Heat Effect,

- Zeeshan, N. **Ameer Ahammad**, Nehad Ali Shah & Jae Dong Chung, **Mathematics**, (February, 2023), 11, 1170. <https://doi.org/10.3390/math11051170>, SCIE-Q1.
22. Role of Chemically Magnetized Nanofluid Flow for Energy Transition over a Porous Stretching Pipe with Heat Generation/Absorption and Its Stability, Zeeshan, N. **Ameer Ahammad**, Nehad Ali Shah, Jae Dong Chung and Attaullah, **Mathematics**, (13th April, 2023), 11, 1844. <https://doi.org/10.3390/math11081844>, SCIE-Q1.
 23. A Numerical Framework for Entropy Generation Using Second-Order Nanofluid Thin Film Flow over an Expanding Sheet: Error Estimation and Stability Analysis, Zeeshan, Attaullah, N.**Ameer Ahammad**, Nehad Ali Shah, Jae Dong Chung, **Mathematics** (February, 2023), 11, 1078. <https://doi.org/10.3390/math11051078>, SCIE-Q1.
 24. Significance of Tiny Particles of Dust and TiO₂ Subject to Lorentz Force: The Case of Non-Newtonian Dusty Rotating Fluid, Bagh Ali, N. **Ameer Ahammad**, Windarto, Abayomi S. Oke, Nehad Ali Shah & Jae Dong Chung, , **Mathematics** (February, 2023), 11, 877. <https://doi.org/10.3390/math11040877>, SCIE-Q1.
 25. Significance of Ternary Hybrid Nanoparticles on the Dynamics of Nanofluids over a Stretched Surface Subject to Gravity Modulation, Meznah M.Alanazi, Awatif A.Hendi, N. **Ameer Ahammad**, Bagh Ali, Sonia Majeed & Nehad Ali Zhah, **Mathematics** (February, 2023), 11, 809. <https://doi.org/10.3390/math11040809>, SCIE-Q1.
 26. Training Multilayer Neural Network Based on Optimal Control Theory for Limited Computational Resources, Ali Najem Alkawaz, Jeevan Kanesan, Anis Salwa Mohd Khairuddin, Irfan Anjum Badruddin, Sarfaraz Kamangar, Mohamed Hussien, Maughal Ahmed Ali Baig & N. **Ameer Ahammad**, **Mathematics**, (February, 2023), 11(3), 778; <https://doi.org/10.3390/math11030778>,
 27. SCIE-Q1.
 28. Analysis of Error and Stability of Nanofluid over Horizontal Channel with Heat/Mass Transfer and Nonlinear Thermal Conductivity, Zeeshan, N. **Ameer Ahammad**, Nehad Ali Shah, Jae Dong Chung, Attaullah & Haroon Ur Rasheed, **Mathematics**, (January, 2023), 11, 690. <https://doi.org/10.3390/math11030690>, SCIE-Q1.
 29. Natural convection in nanofluid flow with chemotaxis process over a vertically inclined heated surface, Fuzhang Wang, Awais Ahmed, Muhammad Naveed Khan, N. **Ameer Ahammad**, Aisha M.Alqahtani, Sayed M Eldin, Mostafa A. H. Abdel Mohimen, **Arabian Journal of Chemistry**, (January, 2023), Article No: 104599, DOI: <https://doi.org/10.1016/j.arabjc.2023.104599>, SCIE-Q2.
 30. Bioconvection Maxwell nanofluid flow over a stretching cylinder influenced by chemically reactive activation energy surrounded by a permeable medium, Arshad Khan, Zahoor Iqbal, N. **Ameer Ahammad**, Maawiya Ould Sidi , Samia Elattar, Somia Awad, El Sayed Yousef and Sayed M Eldin, **Frontiers Physics**, 10:1065264, (January, 2023) doi: [10.3389/fphy.2022.1065264](https://doi.org/10.3389/fphy.2022.1065264), SCIE-Q2.
 31. Modelling the Upper Airways of Mandibular Advancement Surgery: A Systematic Review, Mohd

Faruq Abdul Latif, Nik Nazri Nik Ghazali, M. F. Abdullah, Norliza Binti Ibrahim, Roziana Mohd Razi, Irfan Anjum Badruddin, Sarfaraz Kamangar, Mohamed Hussien, **N. Ameer Ahammad** and Azeem Khan, **Mathematics**, (January,2023), 11(1), 219;<https://doi.org/10.3390/math11010219>, SCIE-Q1.

List of Publications in 2022:

1. Study of nonlinear thermal convection of ternary nanofluid within Darcy-Brinkman porous structure with time dependent heat source/Sink, Kiran Sajjan, **N.Ameer Ahammad**, C.S.K.Raju, M.Karuna Prasad, Nehad Ali Shah and Thongchai Botmart, **AIMS Mathematics**, 8(2): 4237–4260. (December, 2022), [DOI: 10.3934/math.2023211](https://doi.org/10.3934/math.2023211), SCIE-Q1.
2. Hydrothermal and mass aspects of MHD non-Darcian convective flows of radiating thixotropic nanofluids nearby a horizontal stretchable surface:Passive control Strategy, Ghulam Rasool, **N.Ameer Ahammad**, Mohaed R.Ali, Nehad Ali Shaah, Xinhua Wang, Anum Shafia, A.Wakif, **Case Studies in Thermal Engineering**, Article No: 102654, (December, 2022), <https://doi.org/10.1016/j.csite.2022.102654>, SCIE-Q1.
3. A numerical study of swirling axisymmetric flow characteristics in a cylinder with suspended PEG based magnetic and oxides nanoparticles, C.S.K.Raju, S.V.Sica Rama Raju, S.Mamatha Upadhya, **N. Ameer Ahammad**, Nehad Ali Zahah & Thongchai Botmart, **AIMS Mathematics**, 8(2): 4575–4595. (December, 2022), [DOI: 10.3934/math.2023226](https://doi.org/10.3934/math.2023226), SCIE-Q1.
4. Risk Factors Assessment of Musculoskeletal Disorders among Professional Vehicle Drivers in India Using an Ordinal Priority Approach, Gajender Sharma, Shafi Ahmad , Z. Mallick, Zahid A. Khan, Ajith Tom James, Mohammad Asjad, Irfan Anjum Badruddin, Sarfaraz Kamangar, Syed Javed, Azam Ali Mohammed and **N. Ameer Ahammad**, **Mathematics**, (November, 2022), 10(23), 4492; <https://doi.org/10.3390/math10234492>, SCIE-Q1.
5. Numerical Investigation of Heat Transfer Enhancement in a Microchannel with Conical-Shaped Reentrant Cavity, Syarif Syahrul Syazwan Muzhaimy, Nik Nazri Nik Ghazali, Mohd Zamri Zainon , Irfan Anjum Badruddin, Mohamed Hussien, Sarfaraz Kamangar and **N. Ameer Ahammad**, **Mathematics**, (November, 2022), 10, 4330. <https://doi.org/10.3390/math10224330>, SCIE-Q1.
6. Analytical solutions for time-fractional diffusion equation with heat absorption in spherical domains, NehadAli Shah,**N.Ameer Ahammad**, Dumitru Vieru, Se-JinYook, Hussam Alrabaiah,**Ain Shams Engineering Journal**, (November, 2022), 102031, <https://doi.org/10.1016/j.asej.2022.102031>, SCIE-Q1.
7. Exploration of Multiple Transfer Phenomena Within Viscous Fluid Flows over a Curved Stretching Sheet in the Co-Existence of Gyrotactic Micro-Organisms and Tiny Particles, P.

- Ragupathi, N. **Ameer Ahammad**, Abderrahim Wakif, Nehad Ali Shah, YongSeok Jeon, **Mathematics**, **10**, 4133 (November, 2022), <https://doi.org/10.3390/math10214133>, SCIE-Q1.
8. Heat transport analysis in buoyancy-driven flow of Maxwell fluid induced by a vertically stretching sheet inspired by Cattaneo Christov theory, Zahoor Iqbal, Masood Khan, Muhammad Shoaib, **N.Ameer Ahammad** & Maawiya Ould Sidi, **Waves in Random and Complex Media**, (November, 2022), <https://doi.org/10.1080/17455030.2022.2134602>, SCIE-Q2.
 9. Non-Linear Dynamic Movements of CNT/Graphene/Aluminum Oxide and Copper/Silver/Cobalt Ferrite Solid Particles in a Magnetized and Suction-Based Internally Heated Surface: Sensitivity and Response Surface Optimization, C. S. K. Raju, M. Dinesh Kumar, **N. Ameer Ahammad**, Ahmed A. El-Deeb, Barakah Almarri and Nehad Ali Shah, **Mathematics**, (November, 2022), **10**, 4066. <https://doi.org/10.3390/math10214066>, SCIE-Q1.
 10. Simulation of Unsteady Transport Phenomena Using New Finite Volume Method, Arafat Hussain, Zahoor Iqbal, Khalid Abdulkhaliq M Alharbi, **N. Ameer Ahammad**, Fahima Hajje Manasik M.Nour, Zakaria M.M. Mahmoud, Syed M Eldin, **Fractals**, (November, 2022), <https://doi.org/10.1142/S0218348X23400911>, SCIE-Q1.
 11. A Numerical Intuition of Activation Energy in Transient Micropolar Nanofluid Flow Configured by an Exponentially Extended Plat Surface with Thermal Radiation Effects, Zeeshan, **N. Ameer Ahammad**, Haroon Ur Rasheed, Ahmed A. El-Deeb Barakah Almarri and Nehad Ali Shah, **Mathematics**, (October, 2022), **10**, 4046, <https://doi.org/10.3390/math10214046>, SCIE-Q1.
 12. Significance of magnetic field and Darcy–Forchheimer law on dynamics of Casson-Sutterby nanofluid subject to a stretching circular cylinder, Aziz Ullah Awan, **N. Ameer Ahammad**, Wasfi Shatanawi, Sahem Ayesh Allahyani, ElSayed M. Tag-ElDin, Nadeem Abbas, Bagh Ali, **International Communications in Heat and Mass Transfer**, **139**, (October 2022), Article Id.106399, <https://doi.org/10.1016/j.icheatmasstransfer.2022.106399>. SCIE-Q1
 13. Irreversibility analysis of Ellis hybrid nanofluid with Surface catalyzed reaction and multiple slip effects on a horizontal porous stretching cylinder, Muhammad Naveed Khan, Nevzat Akkurt, **N. Ameer Ahammad**, Shafiq Ahmad, Abdelfattah Amari, Sayed M Eldin, Amjad Ali Pasha, **Arabian Journal of Chemistry**, (October, 2022), DOI: <https://doi.org/10.1016/j.arabjc.2022.104326>, SCIE-Q2.
 14. Steady-State Solutions for Two Mixed Initial-Boundary Value Problems Which Describe Isothermal Motions of Burger’s Fluids: Applications, Constantin Fetecau, **N. Ameer Ahammad**, Dumitru Vieru, Nehad Alu Sha, **Mathematics**, (October, 2022), **10**, 3681. <https://doi.org/10.3390/math10193681>, SCIE-Q1.

15. Quadratic and linear radiation impact on 3D convective hybrid nanofluid flow in a suspension of different temperature of waters: Transpiration and Fourier Fluxes, Ri Zhang, **N. Ameer Ahammad**, C.S.K.Raju, Mamatha Upadhya, Nehad Ali Shah, Se-Jin Yook, **International Communications in Heat and Mass Transfer**, Vol. 138 (October, 2022) 106418, <https://doi.org/10.1016/j.icheatmasstransfer.2022.106418>, SCIE-Q1
16. Energy and mass transport through hybrid nanofluid flow passing over an extended cylinder with the magnetic dipole using a computational approach, M.Riaz Khan, **N.Ameer Ahammad**, Sharifah E.Alhazmi, Aatif Ali, Mostafa A.H.Abdelmohimen, Reem Allogmany, Elsayed Tag-Eldin and Mansour F.Yassen, **Frontier's in Energy Research**, (October, 2022), [DOI 10.3389/fenrg.2022.980042](https://doi.org/10.3389/fenrg.2022.980042), SCIE-Q2
17. Non-similar solutions and sensitivity analysis of nano-magnetic Eyring-Powell fluid flow over a circular cylinder with nonlinear convection, H.Thameem Basha, S.R.R.Reddy, V.Ramachandra Prasad, Kwon Joong Son, **N.Ameer Ahammad & Nrvzat Akkurt**, **Waves in Random and Complex Media**, (October, 2022), [DOI: 10.1080/17455030.2022.2128466](https://doi.org/10.1080/17455030.2022.2128466), SCIE-Q2.
18. Thermal and solutal energy transport analysis in entropy generation of hybrid nanofluid flow over a vertically rotating cylinder, Shafiq Ahmad, **N. Ameer Ahammad**, Muhammad Naveed Khan, Ebraheem A. Algehyne, Elsayed Tag-Eldin, Khaled A.Gepreet, Kamel Guedri and Ahmed M. Galal, **Frontiers in Physics**, (September 2022), <https://doi.org/10.3389/fphy.2022.988407>, SCIE-Q2.
19. Comparative Analysis of a Cone, Wedge and Plate Packed with Microbes in Non-Fourier Heat Flux, Halavudara Basavarajappa Santosh, Mamatha Sadananda Upadhya, **N. Ameer Ahammad**, Chakravarthula Siva Krishnam Raju, Nehad Ali Shah and Wajaree Weera, **Mathematics** (September, 2022), 10, 3508. <https://doi.org/10.3390/math10193508>, SCIE-Q1.
20. Sensitivity analysis for Rabinowitsch fluid flow based on permeable artery constricted with multiple stenosis of various shapes, M. Hasnain Shahzad, **N. Ameer Ahammad**, Sohail Nadeem, Seham Ayesh Allahyani, ElSayed M.Tag-EIDin, Aziz Ullah Awan, **Biomass Conversion and Biorefinery**, (September, 2022), <https://doi.org/10.1007/s13399-022-03311-5>, SCIE-Q2.
21. Insight into the heat transfer of third-grade micropolar fluid over an exponentially stretched surface, KamelGuedri, **N.Ameer Ahammad**, Sohail Nadeem, ElSayed M.Tag-EIDin, Aziz UllahAwan & Mansour F.Yassen, **Scientific Reports**, 12, 15577, (September, 2022), <https://doi.org/10.1038/s41598-022-19124-5>, SCIE-Q2.
22. Time-based thin film flow for maxwell nanofluid on an inclined stretching sheet with double diffusion, Anwar Saeed,Taza Gul, **N. Ameer Ahammad**, Mansour F. Yassen,Poom Kumam, **Z Angew Math Mech, (ZAMM)**, (September 2022), <https://doi.org/10.1002/zamm.202200157>, SCIE-Q2.

23. Thermophysical features of Ellis hybrid nanofluid flow with surface-catalyzed reaction and irreversibility analysis subjected to porous cylindrical surface, Muhammad Naveed Khan, **N. Ameer Ahammad**, Shafiq Ahmad, Mohamed Abdelghany Elkotb , Elsayed Tag-eldin, Kamel Guedri, Khaled A. Gepreel and Mansour F. Yassen, **Frontiers in Physics**, (September 2022), <https://doi.org/10.3389/fphy.2022.986501>, SCIE-Q2.
24. Multi-linear regression of triple diffusive convectively heated boundary layer flow with suction and injection: Lie group transformations, S. U. Mamatha,R . L. V. Renuka Devi, **N. Ameer Ahammad**, Nehad Ali Shah, B. Madhusudhan Rao, C. S. K. Raju, M. Ijaz Khan and Kamel Guedri, **International Journal of Modern Physics B**, (July, 2022), <https://doi.org/10.1142/S0217979223500078>. SCIE-Q3
25. Dynamics of Rotating Micropolar Fluid over a Stretch Surface: The Case of Linear and Quadratic Convection Significance in Thermal Management, Bagh Ali, **N. Ameer Ahammad**, Aziz Ullah Awan, Kamel Guedri, ElSayed M. Tag-ElDin and Sonia Majeed, **Nanomaterials**, (September, 2022), 12, 3100. <https://doi.org/10.3390/nano12183100>, SCIE-Q1.
26. The Dynamics of Water-Based Nanofluid Subject to the Nanoparticle's Radius with a Significant Magnetic Field: The Case of Rotating Micropolar Fluid, Bagh Ali, **N. Ameer Ahammad**, AzizUllah Awan, Abayomi S. Oke, ElSayed M. Tag-ElDin, Farooq Ahmed Shah and Sonia Majeed, **Sustainability** (August, 2022), 14, 10474. <https://doi.org/10.3390/su141710474>, SCIE-Q1.
27. Insightful study of the characterization of the Cobalt oxide nanomaterials and hydrothermal synthesis, Muhammad Yasir Raza, Jamil Abbas Haider, **N.Ameer Ahammad**,Kamel Guedri and Ahmed M.Galal, **International Journal of Modern Physics B**, (August, 2022), <https://doi.org/10.1142/S0217979223501011>, SCIE-Q3.
28. Convective transport via thermophoresis and brownian forces in MHD Hiemenz stagnation-point flow, **N. Ameer Ahammad**, Awais Ahmed, Awatif Alhowaity, Mahnoor Sarfraz, Haneen Hamam and Ahmed M. Galal, **International Journal of Modern Physics B**, (August, 2022), [DOI: 10.1142/S0217979222502034](https://doi.org/10.1142/S0217979222502034), SCIE-Q3.
29. Ternary hybrid nanofluid near a stretching/shrinking sheet with heat generation/absorption and velocity slip on unsteady stagnation point flow, Zafar Mahmood, **N. Ameer Ahammad**, Sharifah E. Alhazmi,Umar Khan and Mutasem Z. Bani-Fwaz, **International Journal of Modern Physics B**, (July, 2022), <https://doi.org/10.1142/S0217979222502095>, SCIE-Q3.
30. Numerical simulation of ternary nanofluid flow with multiple slip and thermal jump conditions, Saad Alshahrani, **N. Ameer Ahammad**, Muhammad Bilal,Mohamed E. Ghoneim, Aatif Ali, Mansour F. Yassen and Elsayed Tag-Eldin, **Frontiers in Energy Research**, (August, 2022), [DOI 10.3389/fenrg.2022.967307](https://doi.org/10.3389/fenrg.2022.967307), SCIE-Q3.

31. Insight into the Role of Nanoparticles Shape Factors and Diameter on the Dynamics of Rotating Water-Based Fluid, Asia Ali Akbar, **N. Ameer Ahammad**, Aziz Ullah Awan, Ahmed Kadhim Hussein, Fehmi Gamaoun, ElSayed M. Tag-El Din and Bagh Ali, **Nanomaterials** (August, 2022), 12, 2801. <https://doi.org/10.3390/nano12162801>, SCIE-Q1

32. Peristaltic flow of a viscous fluid in a curved duct with a rectangular cross section, Arshad Riaz, **N. Ameer Ahammad**, M.M.Alqarni, Hala A.Hejazi and ElSayed M.TagEldin, **Frontiers in Physics**, (August, 2022), <https://doi.org/10.3389/fphy.2022.961201>, SCIE-Q2

33. Numerical simulation of ternary nanofluid flow with multiple slip and thermal jump conditions, Saad Alshahrani, **N.Ameer Ahammad**, Muhammad Bilal, Mohamed E.Ghoneim, Aatif Ali, Mansour F.Yassen and Elsayed Tag-Eldin, **Frontiers Energy Research,(Sec. Process and Energy Systems Engineering)**, (August 2022), <https://doi.org/10.3389/fenrg.2022.967307>, SCIE-Q3.

34. Mixed Convection Nanofluid Flow with Heat Source and Chemical Reaction over an Inclined Irregular Surface, Izharul Haq, Muhammad Bilal,**N. Ameer Ahammad**, Mohamed E. Ghoneim, Aatif Ali, and Wajaree Weera, (**American Chemical Society**), **ACS Omega**, Vol. 7, Issue. 34, pp.30477–30485, (August, 2022), <https://doi.org/10.1021/acsomega.2c03919>, SCIE-Q2 .

35. Nonlinear Boussinesq and Rosseland approximations on 3D flow in an interruption of Ternary nanoparticles with various shapes of densities and conductivity properties, Kiran Sajjan, Nehad Ali Shah, **N. Ameer Ahammad**, C.S.K. Raju, M. Dinesh Kumar and Wajaree Weera, **AIMS Mathematics**, 7(10): 18416–18449, (August, 2022), [DOI:10.3934/math.20221014](https://doi.org/10.3934/math.20221014), SCIE-Q1.

36. Gradient descent machine learning regression for MHD flow: Metallurgy Process, P.Priyadharshini, M. Vanitha Archana, **N.Ameer Ahammad**, C.S.K. Raju, Se-jin Yook, Nehad Ali Shah, **International Communications in Heat and Mass Transfer**, Vol. 138 (November, 2022) 106307, <https://doi.org/10.1016/j.icheatmasstransfer.2022.106307>, SCIE-Q1

37. MHD williamson nanofluid flow in the rheology of thermal radiation, joule heating, and chemical reaction using the Levenberg–Marquardt neural network algorithm, Aatif Ali: **N. Ameer Ahammad**, Elsayed Tag-Eldin, Fehmi Gamaoun, Yousef Ibrahim Daradkeh and Mansour F. Yassen, **Frontiers Energy Research,(Sec. Process and Energy Systems Engineering)**, (August 2022), <https://doi.org/10.3389/fenrg.2022.965603>, SCIE-Q3.

38. Significance of bio-convection, MHD, thermal radiation and activation energy across Prandtl nanofluid flow: A case of stretching cylinder, Syed Asif Ali Shah, **N. Ameer Ahammad**, Bagh Ali, Kamel Guedri, Aziz Ullah Awan, Fehmi Gamaoun, & ElSayed M. Tag-ElDin, **International Communications in Heat and Mass Transfer**, Vol. 137 (October, 2022) 106299, <https://doi.org/10.1016/j.icheatmasstransfer.2022.106299>, SCIE-Q1

39. Artificial neural network joined with lattice Boltzmann method to study the effects of MHD on the slip velocity of FMWNT/water nanofluid flow inside a microchannel, Xinlin He, Maawiyaa Ould Sidi, **N. Ameer Ahammad**, Mohamed Abdelghany Elkotb, Samia Elattar, A.M.Algelany, **Engineering Analysis with Boundary Elements**, Vol.143, (October, 2022), pp.95-108, <https://doi.org/10.1016/j.enganabound.2022.05.027>, SCIE-Q1
40. Modified couple stress theory application to analyze mechanical buckling behavior of three-layer rectangular microplates with honeycomb core and piezoelectric face sheets, Chunwei Zhang, AramehEyvazian, MohammadAlkhedher, Mamdooh Alwetaishi, **N.Ameer Ahammad**, **Composite Structures**, Vol. 292, (July, 2022), Article Id.115582. <https://doi.org/10.1016/j.compstruct.2022.115582>. SCIE-Q1
41. Significance of Thermal Phenomena and Mechanisms of Heat Transfer through the Dynamics of Second-Grade Micropolar Nanofluids, Aziz Ullah Awan , **N. Ameer Ahammad**, Bagh Ali, ElSayed M.Tag-EIDin, Kamel Guedri and Fehmi Gamaoun, **Sustainability**, (July, 2022), 14(15), 9361. <https://doi.org/10.3390/su14159361>, SCIE-Q1
42. Convective transport via thermophoresis and Brownian forces in MHD Hiemenz stagnation point flow, **N. Ameer Ahammad**, Awais Ahmed, Awatif Alhowaity, Mahnoor Sarfraz, Haneen Hamam and Ahmed M. Galal, **International Journal of Modern Physics B**, (August, 2022), <https://doi.org/10.1142/S0217979222502034>. SCIE-Q3.
43. Insight into the study of natural convection heat transfer mechanisms in a square cavity via finite volume method, Jamil Abbas Haider, **N. Ameer Ahammad**, Muhammad Naveed Khan, Kamel Guedri and Ahmed M. Galal, **International Journal of Modern Physics B**, (30th, July, 2022), <https://doi.org/10.1142/S0217979223500388>, SCIE-Q3.
44. Nonlinear movements of axisymmetric Ternary Hybrid Nanofluids in a thermally Radiated Expanding or Contracting Permeable Darcy Walls with different shapes and densities: Simple Linear Regression, C.S.K.Raju, **N. AmeerAhammad**, KiranSajjan, Nehad AliShah, Se-JinYook, M. DineshKumar, **International Communications in Heat and Mass Transfer**, Vol.135, (June 2022), Article Id.106110, <https://doi.org/10.1016/j.icheatmasstransfer.2022.106110>, SCIE-Q1
45. Significance of hybrid nanoparticles, Lorentz and Coriolis forces on the dynamics of water based flow, Aziz Ullah Awan, **N. Ameer Ahammad**, Sonia Majeed, Fehmi Gamaoun , Bagh Ali, **International Communications in Heat and Mass Transfer**, Vol. 135 (June, 2022) 106084, <https://doi.org/10.1016/j.icheatmasstransfer.2022.106084>, SCIE-Q1
46. Magnetic-hybrid nanoparticles with stretching/shrinking cylinder in a suspension of MoS₄ and copper nanoparticles, S. Kavya, V. Nagendramma, **N. Ameer Ahammad**, Sohail Ahmad, C.S.K. Raju, Nehad Ali Shah, **International Communications in Heat and Mass Transfer**, 136, (June, 2022), 106150, <https://doi.org/10.1016/j.icheatmasstransfer.2022.106150>, SCIE-Q1

47. Unsteady MHD third-grade fluid past an absorbent high-temperature shrinking sheet packed with silver nanoparticles and non-linear radiation, M. Veera Krishna, **N. Ameer Ahammad** & Ebrahim A. Algehyne, **Journal of Taibah University for Science**, Vol.16, Issue:1,pp. 585-593,(June, 2022), [DOI: 10.1080/16583655.2022.2087396](https://doi.org/10.1080/16583655.2022.2087396). SCIE-Q2.
48. Heat transport and the aspects of retardation time phenomenon in the flow of highly viscoelastic nanofluid with a Newtonian heating agent, Juan Zhang, Zahoor Iqbal, Abdullah M. Alsharif, **N. Ameer Ahammad**, Riadh Marzouki, Khalid Abdulkhaliq M. Alharbi, Samia Elattar & Ahmad M. Galal, **Waves in Random and Complex Media**, (June, 2022), <https://doi.org/10.1080/17455030.2022.2081378>, . SCIE-Q1.
49. Bio-Convection Effects on Prandtl Hybrid Nanofluid Flow with Chemical Reaction and Motile Microorganism over a Stretching Sheet, Syed Asif Ali Shah, **N. Ameer Ahammad**, Fehmi Gamaoun, El Sayed M. Tag El Din, Aziz Ullah Awan and Bagh Ali, **Nanomaterials**, (June,2022), 12(13),2174; <https://doi.org/10.3390/nano12132174>, SCIE-Q1
50. Heat transport mechanism in Cu/water and (Cu–Al₂O₃)/water under the influence of thermophysical characteristics and non-linear thermal radiation for Blasius/Sakiadis models: Numerical investigation, Khalid Abdulkhaliq M. Alharbi, Umar Khan, **N. Ameer Ahammad**, Adnan, BasharatUllah, Hafiz Abdul Wahab, Muhammad Zaib, Ahmed, M. Galal, **Journal of the Indian Chemical Society**, Online (June 2022), Article No:100578, <https://doi.org/10.1016/j.jics.2022.100578>, SCIE-Q4
51. Investigation of transport mechanism in transient mixed convective flow of magnetize maxwell nanofluid subject to non-uniform source/sink, **N. Ameer Ahammad**, Awais Ahmed, Awatif Alhowaity, Muhammad Yasir, Haneen Hamam and Ahmed M. Galal, **International Journal of Modern Physics B**, (June, 2022), <https://doi.org/10.1142/S0217979222501557>, SCIE-Q3.
52. Theoretical analysis of the thermal characteristics of Ree–Eyring nanofluid flowing past a stretching sheet due to bioconvection, V. Puneeth, Farhan Ali, M. Riaz Khan, M. Shoaib Anwar, **N. Ameer Ahammad**, **Biomass Conversion and Biorefinery**, (June, 2022), <https://doi.org/10.1007/s13399-022-02985-1>, SCIE-Q2.
53. Heat and mass transfer on unsteady MHD flow of Casson fluid over an infinite perpendicular absorbent plate with slip effects, **N. Ameer Ahammad**, M. Veera Krishna, Ebrahim A. Algehyne, **Heat Transfer**, (May, 2022), <https://doi.org/10.1002/htj.22618>, ESCIE-Q2.
54. Insights into 3D flow of Casson fluid on exponential stretchable surface in rotating frame through porous medium, Muhammad Naveed Khan, Awais Ahmed, **N. Ameer Ahammad**, Talal Alqahtani, Salem Algarni, **Ain Shams Engineering Journal Online**, (May, 2022), <https://doi.org/10.1016/j.asej.2022.101849>, SCIE-Q1.

55. Numerical Analysis of an Unsteady, Electroviscous, Ternary Hybrid Nanofluid Flow with Chemical Reaction and Activation Energy across Parallel Plates”, Muhammad Bilal, A. El-Sayed Ahmed, Rami Ahmad El-Nabulsi, **N. Ameer Ahammad**, Khalid Abdulkhaliq M. Alharbi, Mohamed Abdelghany Elkotb, Waranont Anukool and Zedan A. S. A., *Micromachines*, (May, 2022), 13(6), 874, <https://doi.org/10.3390/mi13060874>, **SCIE-Q2**
56. Investigation of hydromagnetic bioconvection low of Oldroyd-B nanoluid past a porous stretching surface, Khalid Abdulkhaliq M. Alharbi, M. Riaz Khan, Maawiya Ould Sidi, A. M. Algelany & **N. Ameer Ahammad**, **Biomass Conversion and Biorefinery**, (May,2022), Online, <https://doi.org/10.1007/s13399-022-02785-7>, **SCIE-Q2**.
57. Thermal and solutal transport analysis of Blasius–Rayleigh–Stokes flow of hybrid nanofluid with convective boundary conditions, Li Qin, Shafiq Ahmad, Muhammad Naveed Khan, **N. Ameer Ahammad**, Fehmi Gamaoun & Ahmed M. Galal, **Waves in Random and Complex Media**, (May, 2022), Online, [DOI: 10.1080/17455030.2022.2072018](https://doi.org/10.1080/17455030.2022.2072018), **SCIE-Q1**
58. Effect of Thermal Radiation and Double-Diffusion Convective Peristaltic Flow of a Magneto-Jeffrey Nanofluid through a Flexible Channel, Asha S. Kotnurkar, Joonabi Beleri , Irfan Anjum Badruddin , Khaleed H.M.T., Sarfaraz Kamangar and **Nandalur Ameer Ahammad**, *Mathematics*, (May, 2022), 10(10), 1701; <https://doi.org/10.3390/math10101701>. **SCIE-Q2**
59. Effect of Nanoparticles on Wire Surface Coating Using Viscoelastic Third-Grade Fluid as a Coating Polymer inside Permeable Covering Die with Variable Viscosity and Magnetic Field, Zeeshan Khan, Ilyas Khan , **N. Ameer Ahammad** , D. Baba Basha, and Mulugeta Andualem, *Journal of Nanomaterials*, Vol. 2022, Article ID 1111657, 15 pages, (May, 2022). <https://doi.org/10.1155/2022/1111657>. **SCIE-Q3**
60. Finite Difference Computation of Au-Cu/Magneto-Bio-Hybrid Nanofluid Flow in an Inclined Uneven Stenosis Artery, H. Thameem Basha, Karthikeyan Rajagopal, **N. Ameer Ahammad**, S. Sathish and Sreedhara Rao Gunakala, *Complexity*, (April 2022), pp.1-18, <https://doi.org/10.1155/2022/2078372>, **SCIE-Q1**.
61. Computational Valuation of Darcy Ternary-Hybrid Nanofluid Flow across an Extending Cylinder with Induction Effects; Khalid Abdulkhaliq M Alharbi, Ahmed El-Sayed Ahmed, Maawiya Ould Sidi, **Nandalur Ameer Ahammad**, Abdullah Mohamed, Mohammed A El-Shorbagy, Muhammad Bilal and Riadh Marzouki, *Micromachines* (April-2022), 13(4), 588 <https://doi.org/10.3390/mi13040588> , **SCIE-Q2**.
62. Numerical investigation of hybrid nanofluid with gyrotactic microorganism and multiple slip conditions through a porous rotating disk, Muhammad NaveedKhan , Shafiq Ahmad , **N.Ameer Ahammad** , Talal Alqahtani,

- and Salem Algarni, **Waves in Random and Complex Media**, (March, 2022), <https://doi.org/10.1080/17455030.2022.2055205>, SCIE-Q1.
63. Approximation of unsteady squeezing flow through porous space with slip effect: DJM approach, Yong-Min Li, Ikram Ullah, **N. Ameer Ahammad**, Inayat Ullah, Taseer Muhammad and Saeed Ahmed Asiri, **WAVES IN RANDOM AND COMPLEX MEDIA**, (March, 2022), pp.1-15, <https://doi.org/10.1080/17455030.2022.2046298>. SCIE-Q1.
64. Peristaltic Transport of Carreau Nanofluid in Presence of Triple Diffusion in an Asymmetric Channel by Multi-Step Differential Transformation Method, Asha S. Kotnurkar, Joonabi Beleri, Irfan Anjum Badruddin, Sarfaraz Kamangar and **N. Ameer Ahammad**, **Mathematics**, (March, 2022),10(5), 807. <https://doi.org/10.3390/math10050807>. SCIE-Q1.
65. Flow investigation of second grade micropolar nanofluid with porous medium over an exponentially stretching sheet, Aamir Abbas Khan, Muhammad Naveed Khan, **Nandalur Ameer Ahammad**, Muhammad Ashraf, Kamel Guedri and Ahmed M Galal, **Journal of Applied Biomaterials & Functional Materials**, pp.1–12, (April, 2022), DOI: [10.1177/22808000221089782](https://doi.org/10.1177/22808000221089782), SCIE-Q3.
66. Hall effects on MHD chemically reacting flow of second grade fluid past a vertical porous plate, **N. Ameer Ahammad**, M. Veera Krishna, A.F.Aljohani, **HEAT TRANSFER**, pp.1-25, (Feb,2022), [doi:10.1002/htj.22471](https://doi.org/10.1002/htj.22471). ESCIE-Q2
67. Increasing effects of Coriolis force on the cupric oxide and silver nanoparticles based nanofluid flow when thermal radiation and heat source/sink are significant, Thirupathi Thumma, **N. Ameer Ahammad**, Kharabela Swain, Isaac Lare Animasauan & S.R.Mishra, **Waves in Random and Complex Media**, (Feb 2022), Online, <https://doi.org/10.1080/17455030.2022.2032471>, SCIE-Q1.
68. Study of thermal radiation and chemical reaction on mhd free convection flow in couette flow embedded with porous media, Khalid Bakheet Mahammed Al Thubani and **N.Ameer Ahammad**, **International J. of Pure & Engg. Mathematics (IJPEM)** ISSN 2348-3881, Vol. 16 No. I (June, 2022), pp. 22-41.

List of Publications in 2021:

1. “Significance low oscillating magnetic field and Hall current in the nano-ferro fluid flow past a rotating stretchable disk” Muhammad Ramzan, Saima Riasat, Yan Zhang, Kottakkaran Soopy Nisar , IrfanAnjum Badruddin, **N.AmeerAhammad** & HassanAli S.Ghazwani” (Dec,2021), **Scientific Reports**, Vol.11, Article No.23204, <https://doi.org/10.1038/s41598-021-02633-0>. **SCIE-Q1**

2. “Two-Phase Non-Newtonian Pulsatile Blood Flow Simulations in a Rigid and Flexible Patient-Specific Left Coronary Artery (LCA) Exhibiting Multi-Stenosis” Abdulgaphur Athani, Nik Nazri Nik Ghazali, Irfan Anjum Badruddin, Abdullah Y. Usmani, Sarfaraz Kamangar, Ali E. Anqi and **N. Ameer Ahammad**, **Applied Sciences**, (Dec,2021), Vol.11, Issue.23, 11361. <https://doi.org/10.3390/app112311361>. **SCIE-Q2**
3. “Thermal analysis of unsteady convective flows over a vertical cylinder with time-dependent temperature using the generalized Atangana-Baleanu derivative” Nehad Ali Shah, Jae Dong Chung, **N. Ameer Ahammad**, Dumitru Vieru, Sadia Younas, **Chinese Journal of Physics**, (Online) (October, 2021), <https://doi.org/10.1016/j.cjph.2021.10.013> **SCIE-Q2**.
4. “Numerical investigation of chemical reaction, Soret and Dufour impacts on MHD free convective gyrating flow through a vertical porous channel”, **N. Ameer Ahammad**, M. Veera Krishna, **Case Studies in Thermal Engineering**, (Online), (December,2021), Vol.28, <https://doi.org/10.1016/j.csite.2021.101571>. **SCIE-Q1**
5. “MHD Rotating Flow Over a Semi-infinite Vertical Moving plate with Oscillatory Effects”, **N.Ameer Ahammad**, Abdulwahab Ali Mohammad Al Talea, **International Journal of Engineering Trends and Technology**, (Oct,2021), Vol.69, Issue-10, pp.161-167, doi:10.14445/22315381/IJETT-V69I10P220.
6. “Hall Effects on Unsteady Magnetohydrodynamic Flow of a Nanofluid Past an Oscillatory Vertical Rotating Flat Plate Embedded in Porous Media”, M. Veera Krishna, **N.Ameer Ahamad** and Ali J. Chamkha, **Journal of Nanofluids**, Vol. 10, Issue-2, pp. 259–269, (June-2021), doi:10.1166/jon.2021.1776. **ESCIE-Q2**
7. “Heat Transfer and Entropy in a Vertical Porous Plate Subjected to Suction Velocity and MHD”, **N.Ameer Ahammad**, Irfan Anjum Badruddin, Sarfaraz Kamangar, H.M.T. Khaleed, C. Ahamed Saleel and Teuku Meurah Indra Mahlia, **Entropy**, Vol.23, Issue-8, (August, 2021), 1069. <https://doi.org/10.3390/e23081069>. **SCIE-Q2**
8. “Radiative MHD flow of Casson hybrid nanofluid over an infinite exponentially accelerated vertical porous surface” M. Veera Krishna, **N. Ameer Ahammad**, Ali J. Chamkha, **Case Studies in Thermal Engineering**, Vol.27, (October,2021), pp.101229, <https://doi.org/10.1016/j.csite.2021.101229>. **SCIE-Q1**
9. “Hall current impacts on unsteady MHD free convective flow past an infinite vertical porous surface” **N. Ameer Ahammad**, **HEAT TRANSFER**, Vol.50, Issue-5, (July,2021), pp.4656-4668, DOI: 10.1002/htj.22094. **ESCIE-Q2**
10. “Thermal radiation, chemical reaction, Hall and ion slip effects on MHD oscillatory rotating flow of micro-polar fluid”, M. Veera Krishna, **N. Ameer Ahamad**, A.F.Aljohani, **Alexandria Engineering Journal**, Vol.60, Issue-3, (June,2021), pp.3467-3484, <https://doi.org/10.1016/j.aej.2021.02.013>. **SCIE-Q1**
11. “Numerical investigation on unsteady MHD convective rotating flow past an infinite vertical moving porous surface” M. Veera Krishna, **N. Ameer Ahamad**, Ali J. Chamkha, **Ain Shams**

Engineering Journal, Vol.12, Issue-2, (June,2021),pp.2099-2109,
<https://doi.org/10.1016/j.asej.2020.10.013>. **SCIE-Q1**

12. “The influence of multi-stenosis in the left coronary artery subjected to the variable blood flow rate”, Sarfaraz Kamangar, **N. Ameer Ahamad**, N. Nik-Ghazali, Ali E. Anqi, Ali Algahtani, C. Ahamed Saleel, Syed Javed, Vineet Tirth and T.M. Yunus Khan, **Frontiers in Engineering and Built Environment**, Vol. 1 No. 1, (July,2021), pp. 97-106, Emerald Publishing Limited, DOI: 10.1108/FEBE-02-2021-0008

13. Heat and Mass Transfer in MHD boundary layer flow of a second grade fluid past an infinite vertical permeable surface, **N. Ameer Ahamad**, M. Veera Krishna, A.F.Aljohani, **Heat Transfer**, (April, 2021), Vol.50, pp.6022-6042, <https://doi.org/10.1002/htj.22160>, **ESCIE-Q2**.

14. “Some Aspects of Modeling in the Study of COVID-19 Data”, SYED KHALID MUSTAFA, VYACHESLAV LYASHENKO, **N. AMEER AHAMAD**, MOHAMMAD REHAN, AJMAL, M. AYAZ AHMAD, **International Journal of Pharmaceutical Research**, Vol.13, Issue-1, (March,2021), pp.4124-4129, <https://doi.org/10.31838/ijpr/2021.13.01.586>.

15. Hall and ion slip impacts on unsteady MHD convective rotating flow of heat generating/absorbing second grade fluid” M. Veera Krishna, **N. Ameer Ahamad**, Ali J. Chamkha, **Alexandria Engineering Journal**, Vol:60, Issue:1, February,2021,pp.845–858, <https://doi.org/10.1016/j.aej.2020.10.013>, **SCIE-Q1**.

16. “Radiation absorption on MHD Convective flow of Nanofluids through vertically travelling absorbent plate” M. Veera Krishna, **N. Ameer Ahamad**, Ali J. Chamkha, **Ain Shams Engineering Journal**. Vol.12, (3), (Sept,2021),pp.3043-3056, <https://doi.org/10.1016/j.asej.2020.10.028>. **SCIE-Q1**.

List of Publications in 2020:

1. “Radiation-Absorption and Dufour Effects on Magnetohydrodynamic Rotating Flow of a Nanofluid Over a Semi-Infinite Vertical Moving Plate with a Constant Heat Source”, **N. Ameer Ahamad**, M. Veera Krishna, and Ali J. Chamkha, **Journal of Nanofluids** Vol. 9, Issue-3, pp. 177–186, Sept-2020, [doi:10.1166/jon.2020.1743](https://doi.org/10.1166/jon.2020.1743). **ESCIE-Q2**

2.” Double Diffusion in Square Porous Cavity Subjected to Conjugate Heat Transfer” **N.Ameer Ahamad**, Sarfaraz Kamangar, A.F.Aljohani, Azeem, Maughal Ahmed Ali Baig, Irfan Anjum Badruddin, **FME Transactions**, Vol.48, Issue.4, Sept-2020, pp.841-848, [doi:10.5937/fme2004841A](https://doi.org/10.5937/fme2004841A). , **ESCIE-Q2**

3.” APPLICABLE SOLUTION FOR A CLASS OF ORDINARY DIFFERENTIAL EQUATIONS WITH SINGULARITY”, **N.Ameer Ahamad**, **International Journal of Analysis and Applications**, Vol.18, Issue:5, pp.889–899, 2020, [https://doi.org/10.28924/2291-8639\(DOI: 10.28924/2291-8639-18-2020-890\)](https://doi.org/10.28924/2291-8639(DOI: 10.28924/2291-8639-18-2020-890))

4." Hall and ion slip effects on unsteady MHD free convective rotating flow through a saturated porous medium over an exponential accelerated plate" M. Veera Krishna, **N. Ameer Ahamad**, Ali J. Chamkha, **Alexandria Engineering Journal**, Vol:59, Issue:2, April-2020/03, pp.565–577, <https://doi.org/10.1016/j.aej.2020.01.043>, **SCIE-Q1**.

5. "Heat and mass transfer on magneto hydrodynamic convective flow of second grade fluid through a vertical porous channel with non-uniform wall temperature" M.Krishna, **N.Ameer Ahamad**, Ali.J.Chamka, **Advanced Science, Engineering and Medicine**, Vol.12,(3), pp.376–387, **March-2020**, **American Scientific Publishers**, <https://doi.org/10.1166/ asem.2020.2534>.

List of Publications in 2019:

1."Heat transfer in a porous cavity in presence of square solid block", **N. Ameer Ahamad** , Sarfaraz Kamangar, Irfan Anjum Badruddin, **International Journal of Numerical Methods for Heat & Fluid Flow**, Vol:29, Issue:2, (2019), pp.640-656, <https://doi.org/10.1108/HFF-05-2017-0193>. **SCIE-Q1**

List of Publications in 2018:

1. The influence of curvature wall on the blood flow in stenosed artery: A computational study, "N. Ameer Ahamad, Sarfaraz Kamangar, Irfan Anjum Badruddin", **Bio-Medical Materials and Engineering** Vol:29, Issue:3 (2018) 319–332, [DOI. 10.3233/BME-181734](https://doi.org/10.3233/BME-181734); IOS Press, IF:0.7, **SCIE-Q3**

List of Publications in 2017:

1. "The Influence of Geometrical Shapes of Stenosis on the Blood Flow in Stenosed artery" Sarfaraz Kamangar, Irfan Anjum Badruddin, **N. Ameer Ahamad**, Kalimuthu Govindaraju, Nik-Ghazali, N.J.Salman Ahmed, A.Badarudin & T.M.Yunus Khan, **Sains Malaysia**, 46(10)(2017); Pp.1923-1933, <http://dx.doi.org/10.17576/jsm-2017-4610-31>. **ESCIE-Q2**
2. "Conjugate Double Diffusion in a Square Cavity Divided into Two Sections", **N. Ameer Ahammad**, Sarfaraz Kamangar, " **Frontiers in Heat and Mass Transfer (FHMT)**" ISSN:2151-8629, Vol.9, No.24(2017), [DOI: http://dx.doi.org/10.5098/hmt.9.24](http://dx.doi.org/10.5098/hmt.9.24). **ESCIE-Q2**
3. Joule Heating and Mass Transfer on MHD Peristaltic Hemodynamic Jeffery Fluid With Porous Medium in a Tapered Channel-Blood Flow Analysis Model, S.Ravi Kumar, **N. Ameer Ahamad**, " **International Journal of Bio-Scientific and Bio-Technology**" ISSN: 2233-7849, Vol.9, No.1(2017), pp.1-22. <https://doi.org/10.14257/ijbsbt.2017.9.1.01>

4. Patient Specific 3-d modeling of blood flow in a multi-stenosed left coronary artery, SarfarazKamangar, IrfanAnjumBadruddin , **N. AmeerAhamad**, ManzoorElahi M. Soudagar, KalimuthuGovindaraju, N. Nik-Ghazali, N.J. Salman Ahmed and T.M. Yunus Khan, **Bio-Medical Materials and Engineering ISSN: (Print):0959-2989, ISSN: (Online):1878-3619,Vol:28 (2017) pp.257–266 . DOI: [10.3233/BME-171672](https://doi.org/10.3233/BME-171672), SCIE-Q3.**

List of Publications in 2016:

1. Peristaltic Hemodynamic Jeffrey Fluid through a Tapered Channel with Heat and Mass Transfer under the influence of Radiation-Blood Flow Model, S. Ravi Kumar, **N.AmeerAhamad**, **International Journal of Hybrid Information Technology, Vol.9,No.11(2016),pp.353-368. DOI:[10.14257/ijhit.2016.9.11.30](https://doi.org/10.14257/ijhit.2016.9.11.30).**

List of Publications in 2015:

1. Influence of Radiation on Double Diffusive Flow in a Porous Medium Embedded With Vertical Plate, IrfanAnjumBadruddin,SarfarazKamangar, Abdullah A.A.A.Al-Rasheed,G.A.Quadri,**N. AmeerAhamad**, Salman Ahmed N.J.,T.M. Yunus khan, H.M.T. Khaleed, "**International Journal of Advanced Thermofluid Research, Vol.1,No.1,2015,ISSN:2455-1368(Online),pp.29-49. <https://doi.org/10.51141/ijatr.2015.1.1.3>**
2. The Mathematical Study of Data Transmission in Digital Electronics. Anghel D. Cornelia Victoria, M. Ayaz Ahmad, **N. AmeerAhamad&DraghiciSilviu, International Journal of Advanced Research (IJAR), ISSN: 2320-5407, Vol. 3(3), (15-5-2015),pp. 697-702.**
3. Algorithmic Research and Application using the Rayleigh Method, AnghelDrugarin Cornelia Victoria, M.Ayaz Ahmad, **N. AmeerAhamad**,VyacheslavLyashenkp, "**International Journal of Science and Research (IJSR), ISSN:2319-7064, Vol.4(4), (04-04-2015), pp.1669-1671.**
4. A Theoretical Interpretation for the Study of Images Processing,VyacheslavLyashenko, Mohammad Ayaz Ahmad, Yevgeniy P. Putyatin , Valentin A. Lyubchenko, **N. AmeerAhamad,International Journal of Advance Research in Computer Science and Management ,ISSN:2321-7782(Online),ISSN:2347-1778(Print)Vol. 3(9), (1-9-2015);pp.17-31.**

List of Publications in 2014:

1. Visualization of Natural Convection in a Vertical Annular Cylinder with a Partially Heat Source and Viscous Dissipation, **N.AmeerAhamad**, Hasan Ahmed Mohamed Hassan El Arabawy, Syed Iqbal Ahmed, **International Journal of Engineering Sciences & Research Technology(IJESRT)**, ISSN: 2277-9655, Vol. 10, Number 3(October, 2014), pp.112-124.
2. Visualization of Natural Convection in a Vertical Annular Cylinder with a Partially Heat Source and Varying wall Temperature, **N.AmeerAhamad**, Hasan Ahmed Mohamed Hassan El Arabawy, Syed Iqbal Ahmed, **Int. Journal of Engineering Research and Applications(IJERA)**, ISSN : 2248-9622, Vol. 4, Issue 9(Version 1), (September,2014), pp. 185-197.
3. Free Convective Unsteady MHD Flow of Newtonian Fluid in a Channel with Adiabatic, G.Prabhakararao, M. V. Subba Reddy, **N. AmeerAhmad**, **Int. Journal of Engineering Research and Applications(IJERA)**,ISSN : 2248-9622, Vol. 4, Issue 7(Version 5), (July,2014), pp.54-58.
4. Study of Natural Convection of Heat Transfer in A Vertical Cone Embedded with Porous Medium, **N. AmeerAhmad**, **International Journal of Engineering Research & Technology (IJERT)**,ISSN: 2278-0181, Vol. 3 Issue 6, (June , 2014), pp.610-623.
5. Study of Viscous Dissipation on Natural Convection in a Vertical Conical Annular Porous Medium, **N. AmeerAhamad** , M. AyazAhmad, **Global Journal of Researches in Engineering:A Mechanical and Mechanics Engineering**,Online ISSN: 2249-4596 & Print ISSN:0975-5861, Vol.14, Issue-2,version:1.0, (March, 2014), pp.19-30.
6. VISUALIZATION OF HEAT TRANSFER BY FREE CONVECTION WITH RADIATION IN A VERTICAL CONE EMBEDDED WITH POROUS MEDIUM, **N. AmeerAhamad** ,M. Ayaz Ahmad, **International J. of Math. Sci. &Engg. Appls. (IJMSEA)**, ISSN: 0973-9424, Vol.8 No. II(March, 2014), pp.237-255.
7. Peristaltic Motion with Porous Medium through Coaxial Vertical Channel: A Theoretical Study, S.RaviKumar, **N.AmeerAhamad**, **International Journal of Engineering Sciences& Research Technology(IJESRT)**,ISSN: 2277-9655, Vol. 1 Number 3 (January, 2014), PP.314-323.
8. Investigation of Discrete Heating At Upper Section of A Porous Annulus, IrfanAnjumBadruddin, Abdullah A. Al-Rashed, Salman Ahmed N.J., H.M.T. Khaleed, **N. Ameer Ahmad**, SarfarazKamangar, T.M. Yunuskhan, **Australian Journal of Basic and Applied Sciences**, ISSN: 19918178, Vol:8(24) Special 2014, pp: 283-289.

List of Publications in 2013:

1. STUDY OF VISCOUS DISSIPATION WITH NATURAL CONVECTION AND VARYING WALL TEMPERATURE IN VERTICAL ANNULAR CYLINDER EMBEDDED WITH POROUS MEDIA, **N. AmeerAhamad**, M. Ayaz Ahmad, IrfanAnjumBadruddin, **International J. of Math. Sci. &Engg. Appls. (IJMSEA)**, ISSN: 0973-9424, Vol.7 No.IV, (July, 2013), pp.253-274.

Conference Paper's on behalf of University of Tabuk:

Conference Paper's in 2020:

1. "Effect of centrally placed internal heating strip on heat transfer in a porous cavity, Azeem, **N. Ameer Ahamad**, Maughal Ahmed Ali Baig, K.Srinivasa Rao, Levicus John, **Materials Today: Proceedings**, Vol.27 .2020, pp.1894–1899, <https://doi.org/10.1016/j.matpr.2020.03.819>"
2. "Heat transfer in a porous cavity due to left aligned internal heating strip, **N. Ameer Ahamad**, Azeem, Maughal Ahmed Ali Baig , Ajmeera Ramesh, Avala Raji Reddy, **Materials Today: Proceedings**, Vol.27,2020,pp.1848–1853, <https://doi.org/10.1016/j.matpr.2020.04.003>."
3. "Heat transfer in a porous cavity with an internal heating strip towards cold surface" **N. Ameer Ahamad**, Azeem , Maughal Ahmed Ali Baig , J. Durga Prasad Reddy, Avala Raji Reddy, **Materials Today: Proceedings**, Vol.27,2020,pp.1863–1868, <https://doi.org/10.1016/j.matpr.2020.03.807>
4. "Heat Transfer in Square Porous Cavity Due to Radiation and Heat Generating Strip - Part I" **N. Ameer Ahamad**, Azeem, Maughal Ahmed Ali Baig, Sarfaraz Kamangar, Irfan Anjum Badruddin, S.Lohith Reddy, "IOP Conf. Series: Materials Science and Engineering, Vol. 764, 2020, pp.012028, [doi:10.1088/1757-899X/764/1/012028](https://doi.org/10.1088/1757-899X/764/1/012028)".
5. "Heat Transfer in Square Porous Cavity Due to Radiation and Heat Generating Strip - Part II" **N. Ameer Ahamad**, Azeem, Maughal Ahmed Ali Baig, Sarfaraz Kamangar, Irfan Anjum Badruddin, Jana Nagarjun," IOP Conf. Series: Materials Science and Engineering, Vol.764 (2020) pp.012030, <https://doi.org/10.1088/1757-899x/764/1/012030> ".
6. "Finite Element Formulation of Conjugate Heat Transfer in Porous Annulus" **N Ameer Ahamad**, Maughal Ahmed Ali Baig, N J Salman Ahmed, Sarfaraz Kamangar, T M Yunus Khan, Irfan Anjum Badruddin, Avala Raji Reddy, H M T Khaleed, **Proceedings of the 2nd International Conference on Emerging Research in Civil, Aeronautical and Mechanical Engineering (ERCAM)-2019**, AIP Conf. Proc. 2204, 040016-1–040016-6; <https://doi.org/10.1063/1.5141589>.
7. "Conjugate Double Diffusion: Effect of Buoyancy Ratio" Azeem, **N. Ameer Ahamad**, Maughal Ahmed Ali Baig, Salman Ahmed N J, Sarfaraz Kamangar" **Materials Today: Proceedings** Vol.24, 2020, pp.1410–1415, <https://doi.org/10.1016/j.matpr.2020.04.459>.
8. "Effect of Inner and Outer Horizontal wall Heating on Porous Duct" **N. Ameer Ahamad**, Azeem, H.M.T. Khaleed, Maughal Ahmed Ali Baig, **Materials Today: Proceedings** Vol.24, 2020, pp.1416–1423, <https://doi.org/10.1016/j.matpr.2020.04.460>

Conference Paper's in 2019:

1. "Discrete heating of opposing mixed convection heated at bottom of annulus", Maughal Ahmed Ali Baig, N J Salman Ahmed , **N Ameer Ahamad** , Avala Raji Reddy, Irfan Anjum Badruddin, L Mangesh, **Online ISSN:0094-243X;Print ISSN:1551-7616**; 1st International Conference on Manufacturing, Material Science and Engineering (ICMMSE-2019), AIP Conf. Proc.2200, 020050-1–020050-6; <https://doi.org/10.1063/1.5141220>.

2."Discrete heating at bottom of annulus in case of mixed convection: Aiding flow", Maughal Ahmed Ali Baig, N J Salman Ahmed , **N Ameer Ahamad**, Sarfaraz Kamangar, Avala Raji Reddy, Irfan Anjum Badruddin **Online ISSN:0094-243X;Print ISSN:1551-7616**; 1st International Conference on Manufacturing, Material Science and Engineering (ICMMSE-2019) AIP Conf. Proc. 2200, 020051-1–020051-7; <https://doi.org/10.1063/1.5141221>.

3." Effect of outer surface heating of porous annulus with thermal non equilibrium: Part I" **N.Ameer Ahamad**, Maughal Ahmed Ali Baig, Azeem, Ajmeera Ramesh, **Online ISSN:0094-243X;Print ISSN:1551-7616**; 1st International Conference on Manufacturing, Material Science and Engineering (ICMMSE-2019) AIP Conf. Proc. 2200, 020076-1–020076-7; <https://doi.org/10.1063/1.5141246>.

4." Effect of outer surface heating of porous annulus with thermal non equilibrium: Part II" **N. Ameer Ahamad** , Maughal Ahmed Ali Baig, Azeem, M Balu, **Online ISSN:0094-243X;Print ISSN:1551-7616**;1st International Conference on Manufacturing, Material Science and Engineering (ICMMSE-2019) AIP Conf. Proc. 2200, 020077-1–020077-7; <https://doi.org/10.1063/1.5141247>

5. "Finite Element Solution Strategy for Viscous Dissipation in Porous Medium", Sarfaraz Kamangar, Maughal Ahmed Ali Baig, Azeem, **N. Ameer Ahamad**, and Irfan Anjum Badruddin, **Online ISSN:0094-243X;Print ISSN:1551-7616**; International Conference on "Multidimensional Role of Basic Science in Advanced Technology" ICMBAT 2018,AIP Conf. Proc. 2104, 030057-1–030057-5; <https://doi.org/10.1063/1.5100484>.

6. "Heat and mass transfer with viscous dissipation in porous medium: FEM based methodology", T. M. Yunus Khan, Maughal Ahmed Ali Baig, Azeem, **N. Ameer Ahamad**, and Irfan Anjum Badruddin, **Online ISSN:0094-243X;Print ISSN:1551-7616**; *International Conference on "Multidimensional Role of Basic Science in Advanced Technology" ICMBAT 2018*, AIP Conf. Proc. 2104, 030058-1–030058-5; <https://doi.org/10.1063/1.5100485>.

7." Conjugate heat transfer due to partial isothermal heating at center of annuls with two solids in porous annulus: Part I" **N. Ameer Ahamad**, Maughal Ahmed Ali Baig, Salman Ahmed N. J., Sarfaraz Kamangar, T. M. Yunus Khan, Irfan Anjum Badruddin, and H. M. T. Khaleed, **Online ISSN:0094-243X;Print ISSN:1551-7616**; s; <https://doi.org/10.1063/1.5100705>.

8." Conjugate heat transfer due to partial isothermal heating at center of annuls with two solids in porous annulus: Part II" H. M. T. Khaleed, **N. Ameer Ahamad**, Salman Ahmed N. J., and Maughal Ahmed Ali Baig, **Online ISSN:0094-243X;Print ISSN:1551-7616**; **International Conference on Trends in Material Science and Inventive Materials**, AIP Conf. Proc. 2105, 020022-1–020022-8; <https://doi.org/10.1063/1.5100707>.

9. " Partial heating at upper section of annulus subjected to conjugate heat transfer in porous annulus" N. **Ameer Ahamad**, Maughal Ahmed Ali Baig, Salman Ahmed N. J., Sarfaraz Kamangar, T. M. Yunus Khan and Irfan Anjum Badruddin, **Online ISSN:0094-243X;Print ISSN:1551-7616; International Conference on Trends in Material Science and Inventive Materials, AIP Conf. Proc. 2105, 020021-1–020021-8; <https://doi.org/10.1063/1.5100706>.**

10. "Conjugate Heat Transfer Due to Power Law Temperature in an Annulus" Salman Ahmed N J, N. **Ameer Ahamad**, Maughal Ahmed Ali Baig, Azeem **Online ISSN:0094-243X;Print ISSN:1551-7616; 1st International Conference on Advances in Mechanical Engineering and Nanotechnology (ICAMEN 2019),AIP Conf. Proc. 2148, 030004-1–030004-6; <https://doi.org/10.1063/1.5123926>.**

11. "Radiation Effect on Conjugate Heat Transfer in an Annulus" Maughal Ahmed Ali Baig , N. **Ameer Ahamad**, Azeem, Salman Ahmed N J, **Online ISSN:0094-243X;Print ISSN:1551-7616; 1st International Conference on Advances in Mechanical Engineering and Nanotechnology (ICAMEN 2019), AIP Conf. Proc. 2148, 030007-1–030007-6; <https://doi.org/10.1063/1.5123929>.**

Conference Paper's in 2018:

1. "Heat transfer in a conical porous medium due to inner and top surface heating: Effect of radius ratio", N. **AmeerAhamad**,and T. M. Yunus Khan, **Online ISSN:0094-243X;Print ISSN:1551-7616;AIP Conf. Proc. 1953, 140051 (2018); <https://doi.org/10.1063/1.5033226>.**
2. "Application of artificial neural network for heat transfer in porous cone", *Abdulgaphur Athani, N. Ameer Ahamad*, and Irfan Anjum Badruddin,**Online ISSN:0094-243X;Print,ISSN:1551-7616; [AIP Conference Proceedings 1953, 140016 \(2018\); <https://doi.org/10.1063/1.5033191>.](https://doi.org/10.1063/1.5033191)**
3. "Heat and mass transfer in vertical porous medium due to partial heating", Salman Ahmed N. J., T. M. Yunus Khan, N. **Ameer Ahamad**, and Sarfaraz Kamangar,**Online ISSN:0094-243X;Print ISSN:1551-7616;AIP Conference Proceedings1953, 140007 (2018); <https://doi.org/10.1063/1.5033182>.**
4. "Heat transfer prediction in a square porous medium using artificial neural networ"N. **Ameer Ahamad**, Abdulgaphur Athani, and Irfan Anjum Badruddin,**Online ISSN:0094-243X;Print ISSN:1551-7616;AIP Conference Proceedings 1953, 140017 (2018); <https://doi.org/10.1063/1.5033192>.**

Conference Paper's in 2017:

1. "Natural Convection due to heating of small block in porous medium,"N.J Ahmed Salman, N.**AmeerAhamad**and T.M. Yunus Khan, **Online ISSN:1757-899X;Print ISSN:1757-8981;IOP Conf. Series: Materials Science and Engineering 225 (2017) 012010 [doi:10.1088/1757-899X/225/1/012010](https://doi.org/10.1088/1757-899X/225/1/012010).**
2. Double diffusion in arbitrary porous cavity: Part I,
N **Ameer Ahamad**, Manzoor Elahi M Soudagar, Irfan Anjum Badruddin, **AIP Conference Proceedings 1859(1):020050, [DOI: 10.1063/1.4990203](https://doi.org/10.1063/1.4990203); Conference: INTERNATIONAL**

CONFERENCE ON FUNCTIONAL MATERIALS, CHARACTERIZATION, SOLID STATE PHYSICS, POWER, THERMAL AND COMBUSTION ENERGY: FCSPTC-2017.

3. “Aiding Flow thermo-solutal convection in porous cavity:ANNApproach”, MohammedJaferKazi, **N.Ameer Ahamad** and T.M. Yunus Khan, **Online ISSN:1757-899X;Print ISSN:1757-8981;IOP Conf. Series: Materials Science and Engineering 225 (2017) 012013** [doi:10.1088/1757-899X/225/1/012013](https://doi.org/10.1088/1757-899X/225/1/012013).
4. “Fem Formulation of Coupled Partial Differential Equations for Heat Transfer”, **N. AmeerAhamad**, ManzoorElahi,M Soudagar, SarfarazKamangar and IrfanAnjumBadruddin,**Online ISSN:1757-899X;Print ISSN:1757-8981;IOP Conf. Series: Materials Science and Engineering 225 (2017) 012023** [doi:10.1088/1757-899X/225/1/012023](https://doi.org/10.1088/1757-899X/225/1/012023).
5. “Influence of radiation on MHD peristaltic blood flow through a tapered channel in presence of slip and joule heating”, **N. AmeerAhamad**, S. Ravikumar, and , and KalimuthuGovindaraju,**Online ISSN:0094-243X;Print ISSN:1551-7616;AIP Conf. Proc. 1863, 560091-1–560091-5; doi: 10.1063/1.4992774**.

Conference Paper’s in 2016:

1. “Investigation of viscous dissipation on free convection in a vertical annular cylinder embedded with porous medium”, **N.AmeerAhamad** & AbdulgaphurAthani, **Online ISSN:1757-899X;Print ISSN:1757-8981; IOP Conf. Series: Materials Science and Engineering 149 (2016) 012218** [doi:10.1088/1757-899X/149/1/012218](https://doi.org/10.1088/1757-899X/149/1/012218).

Conference’s at University of Tabuk:

2. International Workshop on Pure and Applied Mathematics-2015, “IWPAM-2015”, May 31-June, 2015, at University of Tabuk, Tabuk, KSA.
3. The International Seminar on Algebra, “ISA-2013” Dec16-17, & Dec 29-30, 2013, at University of Tabuk, Tabuk, KSA.”
4. The International Mathematics workshop on “Non-Linear Analysis and Optimization, March, 18-19,2013, at University of Tabuk, Tabuk, KSA.”
5. The International Mathematics workshop on “Fixed Point Theory and its Applications, May, 26-27, 2012, at University of Tabuk, Tabuk, KSA”.

Chapters in Advances in Lightweight Materials and Structures **“Springer Proceeding in Material’s 2020 ”, ISSN:2662-3161:**

1. “Double Diffusion due to centrally heated strip in Porous Material”, **N Ameer Ahamad**, Azeem,Maughal Ahmed Ali Baig & A.Praveen Kumar, **Advances in Lightweight Materials and Structures, Springer Proceedings in Materials 8, Springer Nature Singapore Pte Ltd.2020,pp.717- 725, https://doi.org/10.1007/978-981-15-7827-4_73**.

2. "Conjugate Heat and Mass Transfer due to Solid Block in Porous Material" N Ameer Ahamad, Azeem, Maughal Ahmed Ali Baig & M. Shunmugasundaram, **Advances in Lightweight Materials and Structures, Springer Proceedings in Materials 8, Springer Nature Singapore Pte Ltd. 2020, pp. 727- 737, https://doi.org/10.1007/978-981-15-7827-4_74.**
3. "Double Diffusion Caused by Hot Strip in Porous Material", N Ameer Ahamad, Maughal Ahmed Ali Baig & D. Maneiah, **Advances in Lightweight Materials and Structures, Springer Proceedings in Materials 8, Springer Nature Singapore Pte Ltd. 2020, pp. 739-749, https://doi.org/10.1007/978-981-15-7827-4_75.**

Research Grants Acquired:-

1. Project Title:- Visualization of Natural Convection in a vertical annular cylinder with a partially heat source a. Varying wall Temperature b. Viscous Dissipation.

Project Number:- S-1435-0035/UOT/KSA

Rewarded by Agency:- Vice Presidency / Studies and Scientific Research / Deanship of Scientific Research on behalf of University of Tabuk, Kingdom of Saudi Arabia and Ministry of Higher Education KSA.

Position:- Principal Investigator (P.I.)

Period of Execution:- (2013-2014) or (1435-1436 H.)

Objectives Achieved:- Studied Visualization of Natural Convection in a vertical annular cylinder with a partially heat source with Varying wall Temperature and Viscous Dissipation.

2. Project Title:- Entropy generation of Bio-Nanofluid flows in stenosed arteries with statistical experiment.

Project Number:- S-1443-0208

Rewarded by Agency:- Vice Presidency / Studies and Scientific Research / Deanship of Scientific Research on behalf of University of Tabuk, Kingdom of Saudi Arabia, KSA.

Position:- Co-Principal Investigator (CO-PI.)

Period of Execution:- (2022-2023) or (1444-1445 H.)

Objectives Achieved:-

- (i) Entropy optimization and response surface methodology of blood hybrid nanofluid flow through composite stenosis artery with magnetized nanoparticles (Au-Ta) for drug delivery application
- (ii) Enhancing Heat Transfer in Blood Hybrid Nanofluid Flow with Nanoparticles and Electrical Field in a Tilted Cylindrical W-Shape Stenosis Artery: A Finite Difference Approach.

3. Project Title:- Energy transfer and efficiency enhancement in Mechanical Devices

Project Number:- RGP.2/303/44

Rewarded by Agency:- Serial Group:303, dated on 01-09-1444, Project Type Large Project Groups, Based on the objectives of Scientific Research at King Khalid University, by Deanship of Research.

Position:- Functional member

Period of Execution:- (2022-2023) or (1444-1445 AH.)

4.Innovation to Impact track Research Contract :

Based on the principle of promoting scientific research and to fostering the university's role in serving science and society, **Research Contract No. (0161-1444-S) UNDER PROCESS**

Supervision of Master Projects:

S.No.	Name of Student	Title of Master Project	Name of Supervisor	Graduated Year
1	MUTEB AHMED ALSHEHRI	MACHINE LEARNING-DRIVEN ANALYSIS OF HEAT TRANSFER AND ENTROPY GENERATION IN BLOOD NANOFLUID FLOW FOR BIOMEDICAL APPLICATIONS	Dr. N. Ameer Ahammad	1446 H / 1447 H (December, 2025)
2	OMAR SALAH H ALHAMDI	NUMERICAL COMPUTATION OF BIOCONVECTIVE CARREA BLOOD NANOFLUID FLOW ACROSS THREE GEOMETRIES WITH NONLINEAR THERMAL RADIATION: HEAT TRANSFER OPTIMIZATION VIA SUPERVISED MACHINE LEARNING	Dr. N. Ameer Ahammad	1445 H / 1446 H (May, 2024)

3	ASMA HABIB Q ALANZI	HEAT TRANSFER CHARACTERISTICS FOR SOLAR ENERGY ASPECT ON THE FLOW OF TANGENT HYPERBOLIC HYBRID NANOFLUID OVER A SENSOR WEDE AND STAGNATION POINT SURFACE	Dr. N. Ameer Ahammad	1444 H / 1445 H (April, 2023)
4	Khalid Bakheet Mahammad Al Thubyani	STUDY OF THERMAL RADIATION AND CHEMICAL REACTION ON MHD FREE CONVECTION FLOW IN COUTTE FLOW EMBEDDED WITH POROUS MEDIA	Dr. N. Ameer Ahammad	1442 H / 1443 H (April, 2022)
5	Wejdan Ahmed Alsehri	MATHEMATICAL ANALYSIS OF MASS TRANSFER FLOW OF A VISCOUS FLUID IN A PARALLEL PLATE CHANNEL FILLED WITH POROUS MEDIUM	Dr. N. Ameer Aham ad	1442 H / 1443 H (April, 2022)
6	ABDULWAHAD ALI MOHAMMED AL TALEA ID:391000149	OSCILLATORY EFFECTS ON MHD ROTATING FLOW OVER A SEMI- INFINITE VERTICAL MOVING PLATE	Dr. N. Ameer Ahammad	1441 H / 1442 H (April, 2021)
7	AHMED EID MOHAMED ALOMIRI ID:411009073	RADIATION EFFECTS ON MHD FREE CONVECTION ROTATING FLOW OF VISCO-ELASTIC FLUID PAST AN INFINITE VERTICAL OSCILLATING	Dr. N. Ameer Ahammad	1441 H / 1442 H (April, 2021)

		POROUS PLATE WITH CHEMICAL REACTION		
8	Maweah Ateeq Eid Albalawi ID:39100010	Comparative study of Adomian Decomposition and He's Variational Iteration Method in solving Partial Differential Equations	Dr. N. Ameer Ahammad	1440 H / 1441 H (April, 2020)
9	FALHA MOHAMMAD SALEM ALATAWI ID: 351008576	Numerical Solutions of Linear Volterra and Fredholm Integral Equations of Second kind using Adomian Decomposition Method and Variational Iteration Method	Dr. N. Ameer Ahammad	1438 H / 1439 H (April, 2017)
10	SARAH KHALED GOMMA AL BGDADI ID: 331009003	A Comparative study of Adomian Decomposition Method with Variational Iteration Method in Solving Non-linear Differential Equations	Dr. N. Ameer Ahammad	1435 H / 1436 H (April, 2015)
11	GHADAH FAIHAN KALAF ALHARBI ID: 331009012	Numerical Solutions of Heat and Wave Equations using Adomian Decomposition Method and Variational Iteration Method	Dr. N. Ameer Ahammad	1435 H / 1436 H (April, 2015)

**ROLE
AS A**

COURSE CO-ORDINATOR AT DEPARTMENT OF MATHEMATICS:

- i. Course Coordinator in the first semester [2024-2025] for MATH-383.**
- ii. Course Coordinator in the first semester [2024-2025] for MATH-1255.**
- iii. Course Coordinator in the second semester [2023-2024] for MATH-1204.**
- iv. Course Coordinator in the second semester [2023-2024] for MATH-658.**
- v. Course Coordinator in the first semester [2023-2024] for MATH-332.**

- vi. **Course Coordinator in the first semester [2023-2024] for MATH-383**
- vii. **.. Course Coordinator in the third semester [2022-2023] for MATH-0665.**
- viii. **Subject Coordinator for the Second Semester [2022-2023] for MATH-0463.**
- ix. **Subject Coordinator for the Second Semester [2022-2023] for MATH-0658.**
- x. **Subject Coordinator for the First Semester [2022-2023] for MATH-0383.**
- xi. **Subject Coordinator for the First Semester [2022-2023] for MATH-0463.**
- xii. **Subject Coordinator for the Second Semester [2021-2022] for MATH-383**
- xiii. **Subject Coordinator for the Second Semester [2021-2022] for MATH-406.**

ROLE AS A COMMITTEE MEMBER AT DEPARTMENT OF MATHEMATICS:

1. **Committee member in the Scientific Committee for the year 1446.**
2. **Member of the Curricula and Study Plan Committee for the year 1446.**
3. **Committee member in the Scientific Committee for the year 1445.**
4. **Member of the Curricula and Programs Committee for the year 1445.**
5. **Member of the Curricula and Programs Committee for the year 1444.**
6. **Committee member in the Scientific Committee for the year 1444.**
7. **Committee member in the Curriculum Committee for the year 1443.**
8. **Committee member in the Scientific Committee for the year 1443.**
9. **Member of the Program Accreditation Committee (PAC) for Master's and Bachelor's programs in Mathematics from 2022 to 2024**

Further details can be obtained at following links

RESEARCHGATE ID: https://www.researchgate.net/profile/N_Ahmad2

ORCID ID: <https://orcid.org/0000-0002-5069-1685>

SCOPUS ID: <https://www.scopus.com/authid/detail.uri?authorId=57234648900>

GOOGLESCHOLAR: https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=n.ameer+aham_ad&btnG=

SCIPROFILES: <https://sciprofiles.com/profile/891603>

Personal Profile:

Name : Dr. NANDALUR AMEER AHAMMAD

Date of Birth : 08-05-1978

Religion : Islam

Nationality : Indian

Marital Status : Married

Passport No : W1313253

Language's known: English, Hindi, Urdu & Telugu.

Permanent Address: Door No: 6/214, K.M.H,
Kadapa-516 001, A.P., India.