



### Personal Particulars

**Name** : Muhammad Khairul Anuar bin Mohamed  
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**Position** : Senior lecturer  
**H-index** : Scopus – 7  
**Webpage** : <https://drkhairul.scientiaca.org/>

### Educational Qualifications

**PhD (Mathematics)** - Applied Mathematics, Universiti Malaysia Pahang (2017)  
**MSc (Mathematics)**- Applied Mathematics, Universiti Malaysia Pahang (2014)  
**BSc (Hons) Mathematics**- Universiti Putra Malaysia (2009)

### Administration and Appreciation

**Administration** **DRB\_HICOM University of Automotive Malaysia**

- Felo Centre of Research and Innovation (2018 –2019)
- Deputy Dean Postgraduate Centre (2019–2020)
- Coordinator Programme MSc. Eng. Tech. (2019–2020)

**University College Shahputra**

- Senate Secretary (2011-2014)

**Appreciation**

- Hadiah Sanjungan 2012 (Kategori Penerbitan Jurnal)  
Anugerah Cendekia Bitara 2012 UMP
- Hadiah Sanjungan 2013 (Kategori Penerbitan Jurnal)  
Anugerah Cendekia Bitara 2013 UMP
- Hadiah Sanjungan 2016 (Kategori Penerbitan Jurnal)  
Anugerah Cendekia Bitara 2016 UMP

### Related Society

- Life member of Persatuan Sains Matematik Malaysia (PERSAMA)
- Experts of Academic Excellence Research Centre (EAERC)

### Research and Publications

#### Conference Proceedings

1. **M.K.A. Mohamed**, N.M. Nasir, N.S. Khasi'ie, R. Jusoh, N.H. Moslim, E.M. Zaihidee, M.Z. Salleh (2012), Numerical Investigation of Stagnation Point Flow over a Stretching Sheet with Newtonian Heating, The 2nd International Conference on Fundamental and Applied Sciences 2012 (ICFAS2012), 12-14 June 2012, Kuala Lumpur Convention Centre (KLCC).

2. **M.K.A Mohamed**, M.Z. Salleh, R. Nazar and A. Ishak (2012), Numerical Investigation of Stagnation Point Flow over a Stretching Sheet with Conjugate Boundary Condition, The International Conference of Applied Analysis and Algebra (ICAAA 2012), 20-24 June 2012, Istanbul, Turkey.
3. **M.K.A. Mohamed and** M.Z. Salleh (2012), Numerical Solution of Stagnation Point Flow over a Stretching Sheet with Newtonian Heating using Keller-box method, National Conference for Postgraduate Research (NCON-PGR), 8-9 September 2012, University Malaysia Pahang (UMP)
4. **M.K.A Mohamed**, M.Z. Salleh, R. Nazar and A. Ishak (2012), Stagnation Point Flow over a Stretching Sheet with Convective Boundary Condition, 20th National Symposium on Mathematical Sciences (SKSM20), 18-20 December 2012, Putrajaya, Malaysia
5. **M.K.A Mohamed**, M.I. Anwar, S. Shafie, M.Z. Salleh (2012) Mathematical Modeling for Magnetohydrodynamic Effects on Stagnation Point Flow Past a Stretching Sheet in Presence of Thermal Radiation with Convective Boundary Condition, 20th National Symposium on Mathematical Sciences (SKSM20), 18-20 December 2012, Putrajaya, Malaysia
6. **M.K.A. Mohamed**, M.I. Anwar, S. Shafie, M.Z. Salleh & A. Ishak, Effects of Magnetohydrodynamic on Stagnation Point Flow Past a Stretching Sheet in Presence of Thermal Radiation with Newtonian Heating, International Conference on Mathematical Sciences and Statistics 2013 (ICMSS2013), 5 - 7 February 2013, Kuala Lumpur, Malaysia.
7. **M.K.A Mohamed**, M. Z. Salleh (2013), Mixed Convection on Stagnation Point Flow over a Stretching Vertical Sheet with Newtonian Heating, The International Conference on Applied Analysis and Mathematical Modeling (ICAAMM 2013), 2-5 June 2013, Istanbul, Turkey.
8. **M.K.A Mohamed**, M.Z. Salleh (2013), Mathematical Modeling of Mixed Convection on Stagnation Point Flow over a Stretching Vertical Surface with Convective Boundary Conditions, The 3rd International Conference on Mathematical Sciences (ICMS3), 17-19 December 2013, Kuala Lumpur, Malaysia.
9. **M.K.A Mohamed**, M.Z. Salleh, N.A.Z. Noar, A. Ishak (2014), Stagnation Point Flow past a Stretching Sheet in Nanofluid with Slip Condition and Viscous Dissipation, The 2nd ISM International Statistical Conference 2014 with Applications in Sciences and Engineering (ISM-II), 12-14 Ogos 2014, Kuantan, Malaysia.
10. **M.K.A Mohamed**, M.I. Anwar, M.Z. Salleh, A. Ishak (2014), Effects of heat generation/absorption on a stagnation point flow over a stretching surface in porous medium with convective boundary conditions. The 3rd International Conference on Global Optimization and its Applications (ICoGOIA 2014), 10-12 September 2014, Yogyakarta, Indonesia.
11. **M.K.A Mohamed**, M.Z. Salleh, N.A.Z. Noar, A. Ishak (2014), Boundary Layer Flow over a Moving Plate in a Nanofluid with Viscous Dissipation, The 3rd International Conference on Computer Engineering and Mathematical Sciences (ICCEMS 2014), 4-5 December 2014, Langkawi, Malaysia
12. **M.K.A. Mohamed**, N.M. Sarif, A.R.M. Kasim, N.A.Z. Noar, M.Z. Salleh, A. Ishak (2015), Effects of Viscous Dissipation on Free Convection Boundary Layer Flow towards a Horizontal Circular Cylinder, presented in Proceedings of Engineering Technology International Conference (ETIC 2015), 10-11 August 2015, Bali, Indonesia.
13. **M.K.A. Mohamed**, M.Z. Salleh, A. Hussanan, N.M. Sarif, N.A.Z. Noar (2015), Mathematical Model of Free Convection Boundary Layer Flow on Solid Sphere with Viscous Dissipation and Thermal Radiation, presented in The International Conference on Global Optimization and Its Applications (ICoGOIA2015), 10-11 August 2015, Kuantan, Malaysia.
14. **M.K.A. Mohamed**, M.Z. Salleh, N.A.Z. Noar, A. Ishak (2015), The Viscous Dissipation Effects on the Mixed Convection Boundary Layer Flow on a Horizontal Circular

Cylinder, presented in International Conference on Computational and Social Sciences (ICCS 2015), 25-27 August 2015, Johor Bahru, Malaysia.

15. **M.K.A. Mohamed**, N.M. Sarif, N.A.M. Noar, M.Z. Salleh, A. Ishak (2016), Viscous Dissipation Effects on the Mixed Convection Boundary Layer Flow towards Solid Sphere, presented in International Conference on Science and Nature Resources (ICSNR 2016), 14-15 April 2016, Kota Kinabalu, Malaysia.
16. **M.K.A. Mohamed**, M.Z. Salleh, N.A.M. Noar, A. Ishak (2016), Buoyancy Effects on Stagnation Point Flow past a Stretching Vertical Surface with Newtonian Heating, presented in 2nd International Conference and Workshop on Mathematical Analysis (ICWOMA 2016), 2-4 August 2016, Langkawi, Malaysia.
17. **M.K.A. Mohamed**, H. Hashim, N.A.M. Noar, N.M. Sarif, M.Z. Salleh, A. Ishak (2016), Suction/Injection Effect on a Boundary Layer Flow past a Stretching Cylinder with Slip Condition, **presented** in National Conference on Postgraduate Research (NCON-PGR2016), 24-25 September 2016, Pekan, Malaysia
18. **M.K.A. Mohamed**, N.A.M. Noar, M.Z. Salleh, A. Ishak (2016), The Slip flow on Stagnation Point over a Stretching Sheet in a Viscoelastic Nanofluid, presented in The 4th International Conference on Mathematical Sciences (ICMS4 2016), 15-17 November 2016, Putrajaya, Malaysia.
19. **M.K.A. Mohamed**, M.Z. Salleh, N.A.M. Noar, A. Ishak (2016), Slip Effect on Stagnation Point Flow past a Stretching Surface with the Presence of Heat Generation/Absorption and Newtonian Heating, presented in 2nd International Conference on Mathematics: Pure, Applied and Computation (ICoMPAC 2016), 23 November 2016, Surabaya, Indonesia.
20. **M.K.A. Mohamed**, M.Z. Salleh, N.A.M. Noar, A. Ishak (2017), Effect of Thermal Radiation on Laminar Boundary Layer Flow over a Permeable Flat Plate with Newtonian Heating, presented in 1st International Conference on Applied & Industrial Mathematics and Statistics 2017 (ICoAIMS 2017), 8-10 August 2017, Kuantan, Malaysia.
21. **M.K.A. Mohamed**, N.A. Ismail, N. Hashim, N.M. Shah, M.Z. Salleh (2018), MHD Slip Flow and Heat Transfer on Stagnation Point of a Ferrofluid with Newtonian Heating, presented in International Conference on Quantitative Analysis and Its Application 2018 (ICoQSIA 2018), 7-9 August 2018, Langkawi, Malaysia.
22. **M.K.A. Mohamed**, M.Z. Salleh, A. Ishak, R. Nazar (2018), Mixed Convection Boundary Layer Flow on a Solid Sphere in a Nanofluid with the presence of Viscous Dissipation, presented in Simposium Kebangsaan Sains Matematik ke-26 (SKSM26), 28-29 November 2018, Kota Kinabalu, Malaysia.
23. **M.K.A. Mohamed**, H. Arifin, R. Jamil, C. Tat Wi, M.Z. Salleh, A. Ishak (2018), MHD Free Convection Boundary Layer Flow near the Lower Stagnation Point of a Horizontal Circular Cylinder Embedded in a Ferrofluids, presented in International Conference on Mathematical Sciences and Technology (MATHTECH2018), 8-10 December 2018, Penang, Malaysia.
24. **M.K.A. Mohamed**, F.N. Abas, M.Z. Salleh (2019), MHD Boundary Layer Flow over a Permeable Flat Plate in a Ferrofluid with Thermal Radiation Effect, presented in 2nd International Conference on Applied & Industrial Mathematics and Statistics 2019 (ICoAIMS 2019), 23-25 July 2019, Kuantan, Malaysia.
25. **M.K.A. Mohamed**, H.R. Ong, H.T. Alkassasbeh, M.Z. Salleh (2020), Heat Transfer of Ag-Al<sub>2</sub>O<sub>3</sub>/Water Hybrid Nanofluid on a Stagnation Point Flow over a Stretching Sheet with Newtonian Heating, presented in 1st International Conference on Computing, Information Science and Engineering 2020 (ICISE2020), 29-30 January 2020, Kota Bharu, Malaysia.

## Journal Publications

1. **Mohamed, M.K.A.**, Salleh, M.Z., Nazar, R. & Ishak, A., Stagnation Point Flow over a Stretching Sheet with Newtonian Heating, *Sains Malaysiana* 41(11), 1467-1473 (2012).
2. **Mohamed, M.K.A.**, Salleh, M.Z., Nazar, R. & Ishak, A. 2013. Numerical investigation of stagnation point flow over a stretching sheet with convective boundary conditions. *Boundary Value Problems*. 2013(1): 4.
3. **Mohamed, M.K.A.**, Salleh, M.Z., Ishak, A. & Pop, I. Stagnation point flow and heat transfer over a stretching/shrinking sheet in a viscoelastic fluid with convective boundary condition and partial slip velocity, *The European Physical Journal Plus*130(8): 1-9 (2015).
4. **Mohamed, M.K.A.**, Salleh, M.Z., Noar N.A.M. and Ishak, A. Boundary Layer Flow over a Moving Plate in a Nanofluid with Viscous Dissipation. *Journal Applied Fluid Mechanic* 9(5): 2369-2377 (2016).
5. **Mohamed, M.K.A.**, Noar, N.A.Z., Salleh, M.Z. and Ishak, A. Free convection boundary layer flow on a horizontal circular cylinder in a nanofluid with viscous dissipation. *Sains Malaysiana*.45(2): 289-296 (2016).
6. **Mohamed, M. K. A.**, Sarif, N. M., Kasim, A. R. M., Noar, N. A. Z. M., Salleh, M. Z. and Ishak, A. Effects of Viscous Dissipation on Free Convection Boundary Layer Flow towards a Horizontal Circular Cylinder. *ARPJ Journal of Engineering and Applied Sciences*.11(11): 7258-7263 (2016).
7. **Mohamed, M.K.A.**, Salleh, M.Z., Noar, N.A.Z. and Ishak, A. The viscous dissipation effects on the mixed convection boundary layer flow on a horizontal circular cylinder. *Jurnal Teknologi*.78(4-4): 73-79 (2016).
8. Hussanan, A., Khan, I., Hashim, H., **Mohamed, M.K.A.**, Ishak, N., Sarif, N.M. and Salleh, M.Z. Unsteady MHD flow of some nanofluids past an accelerated vertical plate embedded in a porous medium. *Jurnal Teknologi*.78(2): 121-126 (2016)
9. **Mohamed, M. K. A.**, Sarif, N. M., Noar, N. A. Z. M., Salleh, M. Z. and Ishak, A. Viscous Dissipation Effect on the Mixed Convection Boundary Layer Flow towards Solid Sphere. *Transactions on Science and Technology*.3(1-2): 59-67 (2016)
10. **M.K.A. Mohamed**, M.Z. Salleh, A. Hussanan, N.M. Sarif, N.A.Z. Noar, A. Ishak, B. Widodo, Mathematical Model of Free Convection Boundary Layer Flow on Solid Sphere with Viscous Dissipation and Thermal Radiation, *International Journal of Computing Science and Applied Mathematics* 2 (2) 20-25 (2016).
11. N. Ishak, H. Hashim, **M.K.A. Mohamed**, N.M. Sarif, N. Rosli, M.Z. Salleh, Thermal radiation effects on stagnation point flow past a stretching/shrinking sheet in a Maxwell fluid with slip condition, *Journal of Physics: Conf. Series* 890 (012021), 1-9 (2017).
12. Y.B. Kho, A. Hussanan, **M.K.A. Mohamed**, N.M. Sarif, Z. Ismail, M.Z. Salleh, Thermal radiation effect on MHD Flow and heat transfer analysis of Williamson nanofluid past over a stretching sheet with constant wall temperature, *Journal of Physics: Conf. Series* 890 (012034), 1-6 (2017).
13. S.M. Zokri, N.S. Arifin, **M.K.A. Mohamed**, M.Z. Salleh, A.R.M. Kasim, W.N.S. Yusoff, N.F. Mohammad, Influence of radiation and viscous dissipation on magnetohydrodynamic Jeffrey fluid over a stretching sheet with convective boundary conditions, *Malaysian Journal of Fundamental and Applied Sciences* 13 (3) 279-284 (2017).
14. **M.K.A. Mohamed**, M.Z. Salleh, H. Hashim, Effect of thermal radiation on laminar boundary layer flow over a moving plate with Newtonian heating, *Journal of Science and Management Research* 1 93—107 (2017).
15. **Mohamed, M.K.A.**, Sarif, N. M., Noar, N.A.Z., Salleh, M.Z. and Ishak, A. Mixed convection boundary layer flow on a horizontal circular cylinder in a nanofluid with viscous dissipation. *Malaysian Journal of Fundamental and Applied Sciences* 14 (1) 32-39 (2018).
16. S.M. Zokri, N.S. Arifin, **M.K.A. Mohamed**, A.R.M. Kasim, N.F. Mohammad, M.Z. Salleh. Mathematical Model of Mixed Convection Boundary Layer Flow over a Horizontal

Circular Cylinder Filled in a Jeffrey Fluid with Viscous Dissipation Effect, *Sains Malaysiana* 47 (7) 1607-1615 (2018).

17. S.M. Zokri, N.S. Arifin, **M.K.A. Mohamed**, A.R.M. Kasim, N.F. Mohammad, M.Z. Salleh. Influence of Viscous Dissipation on The Flow and Heat Transfer of a Jeffrey Fluid towards a Horizontal Circular Cylinder with Free Convection: A numerical study, *Malaysian Journal of Fundamental and Applied Sciences* 14 (1) 40-47 (2018).
18. **Mohamed, M.K.A.**, Shah, N.M., Ismail, N.A., Jamil, F.C., Hashim, N., Salleh, M.Z. and Hashim, H. Convective Boundary Layer Flow in a Nanofluid. *Journal of Science and Management Research* 3 28-39 (2018).
19. **Mohamed, M.K.A.**, Sarif, N. M., Noar, N.A.Z., Salleh, M.Z. and Ishak, A. Free convection boundary layer flow on a solid sphere in a nanofluid with viscous dissipation. *Malaysian Journal of Fundamental and Applied Sciences* 15 (3) 381-388 (2019).
20. Yasin, S.H.M., **Mohamed, M.K.A.**, Ismail, Z., Widodo, B. & Salleh, M.Z., Numerical Solution on MHD Stagnation Point Flow in Ferrofluid with Newtonian Heating and Thermal Radiation Effect. *CFD Letters* 11 (2), 21-31 (2019).
21. **M.K.A. Mohamed**, N.A. Ismail, N. Hashim, N.M. Shah, M.Z. Salleh, MHD Slip Flow and Heat Transfer on Stagnation Point of a Magnetite (Fe<sub>3</sub>O<sub>4</sub>) Ferrofluid towards a Stretching Sheet with Newtonian Heating. *CFD Letters* 11 (2), 17-27 (2019).
22. H. Hashim, **M.K.A. Mohamed**, N. Ishak, N.M. Sarif, M.Z. Salleh, Thermal Radiation Effect on MHD Stagnation Point flow of Williamson Fluid over a stretching Surface, *Journal of Physics: Conference Series* 1366 (1), 012011 (2019).
23. S.H.M. Yasin, **M.K.A. Mohamed**, Z. Ismail, B. Widodo, M.Z. Salleh, MHD Flow and Heat Transfer of Ferrofluid on Stagnation Point along Flat Plate with Convective Boundary Condition and Thermal Radiation Effect, *Journal of Physics: Conference Series* 1366 (1), 012008 (2019).
24. I.M. Shah, M.M.R. Khan, C.S. Hong, R. Ramli, **M.K.A. Mohamed**, H.R. Ong, Minimization The Rejection Rate Of The Automotive Thermoplastic Parts In Injection Moulding Using Response Surface Methodology, *Asean Journal of Automotive Technology* 1 (1), 14-20 (2019).
25. **M.K.A. Mohamed**, H.R. Ong, M. Z. Salleh, B. Widodo, Mixed Convection Boundary Layer Flow Of Engine Oil Nanofluid On A Vertical Flat Plate With Viscous Dissipation, *Asean Journal of Automotive Technology* 1 (1), 29-38 (2019).
26. Y.B. Kho, A. Hussanan, **M.K.A. Mohamed**, M.Z. Salleh, Heat and mass transfer analysis on flow of Williamson nanofluid with thermal and velocity slips: Buongiorno model. *Propulsion and Power Research* 8 (3), 243-252 (2019).
27. N. Ishak, A. Hussanan, **M.K.A. Mohamed**, N. Rosli, M.Z. Salleh, Heat and mass transfer flow of a viscoelastic nanofluid over a stretching/shrinking sheet with slip condition, *AIP Conference Proceedings* 2059 (1), 020011 (2019).
28. H.R. Ong, I.M. Shah, W.M.E. Iskandar, M.M.R. Khan, C.S. Hong, R. Ramli, **M.K.A. Mohamed**, Rejection Rate Reduction of the Automotive Thermoplastic Parts In Injection Moulding Using Response Surface Methodology, *Key Engineering Materials* 841, 225-231 (2020).
29. H. Hashim, N.M. Sarif, M.Z. Salleh, **M.K.A. Mohamed**, Aligned Magnetic Field on Williamson Fluid over a Stretching Sheet with Newtonian Heating, *Journal of Physics: Conference Series*, 1529 (5), 052085 (2020).
30. **M.K.A. Mohamed**, M.Z. Salleh, A. Ishak, Effects of Viscous Dissipation on Mixed Convection Boundary Layer Flow Past a Vertical Moving Plate in a Nanofluid, *Journal of Advanced Research in Fluid Mechanics and Thermal Sciences*, 69 (1), 1-18 (2020).
31. S.H.M. Yasin, **M.K.A. Mohamed**, Z. Ismail, M.Z. Salleh, MHD free convection boundary layer flow near the lower stagnation point flow of a horizontal circular cylinder in ferrofluid, *IOP Conference Series: Materials Science and Engineering* 736 (2), 022117 (2020).
32. S.H.M. Yasin, **M.K.A. Mohamed**, Z. Ismail, M.Z. Salleh, Mathematical Solution on MHD Stagnation Point Flow of Ferrofluid, *Defect and Diffusion Forum*, 399, 38-54 (2020).

33. **M.K.A. Mohamed**, M.Z. Salleh, A. Ishak, R. Nazar, Mixed Convection Boundary Layer Flow on a Solid Sphere in a Nanofluid with the presence of Viscous Dissipation, *ASM Science Journal*, 13:1-7 (2020)

#### **Book Chapter**

1. **M.K.A. Mohamed**, M.I.Anwar, S. Shafie, M.Z. Salleh & A. Ishak, Effects of Magnetohydrodynamic on Stagnation Point Flow Past a Stretching Sheet in Presence of Thermal Radiation with Newtonian Heating, *Springer 01/2014*; ISBN: 9814585327 In proceeding of: International Conference on Mathematical Sciences and Statistics 2013

#### **Book Published**

1. **M.K.A. Mohamed**, KELLER-BOX METHOD Partial Differential Equations in Boundary Layer Flow of Nanofluid, *DRB-HICOM University Publisher*, 2018, ISBN 978-967-16676-0-6

#### **Exhibitions**

1. **M.K. A. Mohamed**, N. M. Nasir, N. S. Khasi'ie, R. Jusoh, N. H. Moslim, E. M. Zaihidee, M. Z. Salleh (2012), Numerical Investigation of Stagnation Point Flow over a Stretching Sheet with Newtonian Heating, Creation, Innovation, Technology & Research Exposition (CITREx 2012), UMP, 26-28 March 2012, University Malaysia Pahang (UMP)
2. **M.K. A. Mohamed**, N. H. Moslim, E. M. Zaihidee, R. Jusoh, N. M. Nasir, M. Z. Salleh (2012), Numerical Investigation of Stagnation Point Flow over a Stretching Sheet with Newtonian Heating using Keller-box Method, Ez-Sci Math Carnival, UMP, 2-4 November 2012, University Malaysia Pahang (UMP)
3. **M.K. A. Mohamed**, N. M. Nasir, N. S. Khasi'ie, R. Jusoh, N. H. Moslim, E. M. Zaihidee, M. Z. Salleh (2013), Magnetohydrodynamic Effects on Stagnation Point Flow Past a Stretching Sheet in Presence of Thermal Radiation with Newtonian Heating, Creation, Innovation, Technology & Research Exposition (CITREx 2013), UMP, 26-28 March 2013, University Malaysia Pahang (UMP)

#### **Copyright**

- Matlab Code: Mathematical Modelling on Free Convection Boundary Layer Flow Over a Horizontal Circular Cylinder in a Viscous and Nanofluid with Viscous Dissipation Effects Using The Keller-Box Method (Registration No.LY2018005793) Nov 2018

#### **Journal Committee/ Reviewer**

- Editor-in-Chief Journal of Applied Numerical in Engineering (2019)
- Associate Editor for Asean Journal of Automotive Technology (2019)
- Reviewer for Walailak Journal of Science and Technology, Thailand (2014)
- Reviewer for European Journal of Pure and Applied Mathematics (2017)
- Reviewer for De Gruyter Journal of Nonlinear Engineering – Modeling and Application (2018)

#### **Research Grant**

1. **FRGS (RDU1901124) UNIVERSITI MALAYSIA PAHANG**  
Title: Mathematical Modelling on Magnetohydrodynamic (MHD) Flow and Heat Transfer of Ferrofluid over Various Surfaces  
Leader: Prof. Dr. Mohd Zuki Salleh

Researchers: Dr. Zulkhibri Ismail, Dr. Norhafizah Binti Md Sarif, Dr. Abdul Rahman Bin Mohd Kasim, **Dr. Muhammad Khairul Anuar Mohamed**, Prof. Dr. Basuki Widodo

Approved Budget: RM70,000.

**2. UMP (RDU190356) UNIVERSITI MALAYSIA PAHANG**

Title: Mathematical models of water functionalized ferrofluid and micropolar ferrofluid heat flow through magnetic field

Leader: Prof. Dr. Mohd Zuki Salleh

Researchers: Dr. Zulkhibri Ismail, Dr. Norhafizah Binti Md Sarif, Dr. Abdul Rahman Bin Mohd Kasim, **Dr. Muhammad Khairul Anuar Mohamed**, Dr. Rahimah Jusoh

Approved Budget: RM21,000.

**3. FRGS (307531) DRB-HICOM UNIVERSITY OF AUTOMOTIVE MALAYSIA**

Title: Boundary layer flow and heat transfer of hybrid nanofluid over a flat surface and bluff body with viscous dissipation effects

Leader: **Dr. Muhammad Khairul Anuar Mohamed**

Researchers: Prof. Dr. Basuki Widodo, Dr. Mohd Zuki Salleh, Dr. Ong Huei Ruey, Fadhilah Binti Che Jamil

Approved Budget: RM68,200.

**4. FRGS (313280) DRB-HICOM UNIVERSITY OF AUTOMOTIVE MALAYSIA**

Title: Interactions mechanism and impregnation kinetics of rice husk nanosilica in the preparation of oil palm fibre reinforced biodegradable composite

Leader: Dr. Ong Huei Ruey

Researchers: **Dr. Muhammad Khairul Anuar Mohamed**, Prof. Dr. Md. Maksudur Rahman Khan, Dr. Liang Yong Yeow

Approved Budget: RM134,500.

**5. RACE KPT (RDU121302) UNIVERSITI MALAYSIA PAHANG**

Tajuk: The convection boundary layer flow over a horizontal circular cylinder with convective boundary conditions

Leader: Prof. Dr. Mohd Zuki Salleh

Researchers: Prof. Dr. Roslinda Mohd Nazar, Dr. Norhayati Rosli, Dr. Norhafizah Md Sarif and **Dr. Muhammad Khairul Anuar Mohamed**

Approved Budget: RM45,000.

### Consultation

1. Speaker for 1 Day Seminar of Finite Difference Method: Keller-Box Technique (2 Aug 2018)
2. Speaker for Postgraduate Seminar: Introduction to Research (28 Dec 2018 & 24 Jul 2019)