



nadirah@ump.edu.my
nadirahmdnasir@
gmail.com
(+60) 13-9321282

Nadirah Mohd Nasir

Lecturer
Centre for Mathematical Sciences
College of Computing
Universiti Malaysia Pahang

Education

2016 - 2020

PhD. (Computational Mathematics)
Universiti Putra Malaysia

2008 - 2009

MSc. (Mathematics)
Universiti Sains Malaysia

2005 - 2008

BSc. (Honours)(Mathematics)
Universiti Sains Malaysia

Association Membership

Lifetime membership

Member of Malaysian Mathematical Sciences Society (PERSAMA)

List of Publications

2020

Direct Integration of the Third-Order Two Point and Multipoint Robin Type Boundary Value Problems

Journal: Mathematics and Computers in Simulation

Authors: Nadirah Mohd Nasir, Zanariah Abdul Majid, Fudziah Ismail, Norfifah Bachok

2019

Direct Integration of Boundary Value Problems Using the Block Method via the Shooting Technique Combined with Steffensens Strategy

Journal: Mathematics 7 (11), 1075

Authors: Nadirah Mohd Nasir, Zanariah Abdul Majid, Fudziah Ismail, Norfifah Bachok

Two-point Diagonally Implicit Multistep Block Method for Solving Robin Boundary Value Problems Using Variable Step Size Strategy

Journal: Akademi Sains Malaysia ASM

Authors: Nadirah Mohd Nasir, Zanariah Abdul Majid, Fudziah Ismail, Norfifah Bachok

Two Point Diagonally Block Method for Solving Boundary Value Problems with Robin Boundary Conditions

Journal: Malaysian Journal of Mathematical Sciences (MJMS)

Authors: Nadirah Mohd Nasir, Zanariah Abdul Majid, Fudziah Ismail, Norfifah Bachok

2018

Diagonal Block Method for Solving Two-Point Boundary Value Problems with Robin Boundary Conditions

Journal: Mathematical Problems in Engineering

Authors: Nadirah Mohd Nasir, Zanariah Abdul Majid, Fudziah Ismail, Norfifah Bachok

2015

The Effects of Magnetohydrodynamic and Radiation on Flow of Second Grade Fluid Past an Infinite Inclined Plate in Porous Medium

Proceeding: AIP Conference Proceedings 1643 (1), 563-569

Authors: Zulhibri Ismail, Ilyas Khan, Nadirah Mohd Nasir, Rahimah Jusoh@Awang, Mohd Zuki Salleh, Sharidan Shafie

Rotation Effects on Unsteady Magnetohydrodynamic Second Grade Fluid Flow in a Porous Medium Past an Infinite Inclined Plate

Proceeding: AIP Conference Proceedings 1643 (1), 555-562

Authors: Zulhibri Ismail, Ilyas Khan, Rahimah Jusoh@Awang, Nadirah Mohd Nasir, Mohd Zuki Salleh, Sharidan Shafie

2014

Rotation Effects on Coupled Heat and Mass Transfer by Unsteady MHD Free Convection Flow in a Porous Medium Past an Infinite Inclined Plate

Proceeding: AIP Conference Proceedings 1605 (1), 410-415

Authors: Zulhibri Ismail, Ilyas Khan, Nadirah Mohd Nasir, Rahimah Jusoh, Mohd Zuki Salleh, Sharidan Shafie

2013

Preliminary Study of Student Performance on Algebraic Concepts and Differentiation

Journal: World Applied Sciences Journal 21, 162-167

Authors: Nadirah Mohd Nasir, Yusof Hashim, SF Ahmad Zabidi, R Jusoh, Ezrinda Mohd Zaihidee

List of Books/Modules

Ordinary Differential Equations, 2016

Samsudin Abdullah, Nadirah Mohd Nasir (Editor), Rahimah Jusoh @ Awang, Laila Amara Aziz, Wan Nur Syahidah Wan Yusoff

ISBN: 978-967-0691-82-4

UMP Publisher

Numerical Methods, 2016

Norhayati Rosli (Editor), Nadirah Mohd Nasir, Mohd Zuki Sallaeh, Rozieana Khairuddin, Nurfatihah Mohamad Hanafi, Noraziah Adhzar

ISBN: 978-967-2054-00-9, UMP Publisher

List of Grants

2017-2020

Multistep Method for Solving Boundary Value Problems (BVPs) with Robin Boundary Conditions

Putra Grant [Project Code: GP-IPS/2018/9625100], Universiti Putra Malaysia (UPM)

Leader: Zanariah Abdul Majid

Members: Nadirah Mohd Nasir, Fudziah Ismail, Norfifah Bachok

Sept 2013 - Sept 2015

Mathematical Model on Unsteady Magnetohydrodynamics (MHD) Flow of Second Grade Fluid in a Porous Medium Pas an Infinite Inclined Plate using Laplace Transform Method

RAGS (RDU131405)

Leader: Nadirah Mohd Nasir

Members: Zulhibri Ismail @ Mustofa, Mohd Zuki Salleh, Rahimah Jusoh@Awang, Ilyas Khan, Sharidan Shafie

June 2013 - June 2015

Persistent and Permanent Properties of First Stage DNA Splicing Languages via Yusuf-Goode Approach

UMP Internal Grant (RDU130354)

Leader: Yuhani Yusof

Members: Nor Haniza Sarmin, Norhayati Rosli, Mohd Sham Mohamad, Nadirah Mohd Nasir

July 2012 - December 2014

Stochastic Taylor Approximation of Stochastic Delay Differential Equations

UMP Internal Grant (RDU120362)

Leader: Norhayati Rosli

Members: Yuhani Yusof, Mohd Zuki Salleh, Noraziah Ahmad, Nadirah Mohd Nasir, Rahimah Jusoh@Awang

October 2011 - September 2013

Mathematical Models for the Convection Boundary Layer Flow Over a Horizontal Circular Cylinder with Newtonian Heating or Under Mixed Thermal Boundary Conditions

UMP Internal Grant (RDU110390)

Leader: Mohd Zuki Salleh

Members: Nor Hafizah Moslim, Ezrinda Mohd Zaihidee, Rahimah Jusoh @Awang, Nadirah Mohd Nasir, Najiyah Safwa Khashi'ie

June 2010 - June 2012

The Development of Computer Aided Teaching & Learning in Additional Mathematics (CATLAM) in Malaysian Secondary Schools

UMP Internal Grant (RDU100340)

Leader: Yusof Hashim

Members: Wan Azlee Wan Abdullah, Nadirah Mohd Nasir, Rahimah Jusoh@Awang, Ezrinda Mohd Zaihidee, Siti Fatimah Ahmad Zabidi

List of Courses Taught

Degree

- Calculus
- Numerical Methods
- Ordinary Differential Equations
- Technical Mathematics

Diploma

- Basic Mathematics
- Technical Mathematics
- Fundamental Discrete Structure

Skills

- \LaTeX
- C Programming
- Maple

Philosophy

“The Best Never Rest”

“Stars Cannot Shine Without Darkness”