

Profile Image

**PROF. MADYA DR.
AHMAD FADLY
NURULLAH BIN RASEDEE**

PENSYARAH UNIVERSITI DS14

CONTACT

Phone: 067978734

E-mail:
fadlynurullah@usim.edu.my

Faculty: Fakulti Ekonomi
Dan Muamalat

SUPERVISION

PhD - Completed: 3, Ongoing: 0

Master - Completed: 1,
Ongoing: 1

AREAS OF EXPERTISE

Numerical Analysis

Computational Simulation And Modelling

Mathematics In Computational Finance

ACADEMIC QUALIFICATION

PhD in Pure Mathematics (2015)

Master in Numerical Analysis (2010)

Bachelor in Mathematics (2006)

RESEARCH

1. ESTABLISHING A NUMERICAL SOLUTION FOR ISLAMIC ASSET PRICES USING A MULTISTEP-WAVELET ALGORITHM TO PROMOTE LONG TERM ECONOMIC STABILITY

2024 GERAN KPT ON GOING MAIN RESEARCHER

2. NUMERICAL APPROACH FOR ANALYZING ASSET PRICES

2023 GERAN ANTARABANGSA ON GOING MAIN RESEARCHER

3. NUMERICAL SOLUTION FOR ISLAMIC PRICING OPTION USING A MODIFIED 2 POINT BLOCK BACKWARDS DIFFERENCE METHOD

2017 GERAN KPT COMPLETED MAIN RESEARCHER

PUBLICATION

1. MEAN-VARIANCE ANALYSIS OF SHARIAH AND NON-SHARIAH STOCKS MARKET IN MALAYSIA DURING THE PANDEMIC OF COVID-19

29TH NATIONAL SYMPOSIUM ON MATHEMATICAL SCIENCES (SKSM29)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

2. THE ANALYSIS OF FINANCIAL LITERACY THAT INFLUENCES FINANCIAL ANXIETY AMONG MALAYSIANS

5TH INTERNATIONAL CONFERENCE ON MANAGEMENT, EDUCATION, SOCIAL SCIENCES AND INNOVATION 2024

2024 PROCEEDING NON-INDEX MAIN AUTHOR

3. INTRODUCTION TO BUSINESS MATHEMATICS FOR ECONOMICS AND MUAMALAT: FUNDAMENTAL ALGEBRA

2023 BOOK MAIN AUTHOR

4. STOCK RETURN VOLATILITY DURING SARS AND COVID-19: COMPARISON BETWEEN MALAYSIA AND CHINA'S STOCK MARKETS

THE 5TH INNOVATION AND ANALYTICS CONFERENCE & EXHIBITION (IACE 2021)

2022 PROCEEDING SCOPUS MAIN AUTHOR

5. MINECRAFT-ED: LEARN ADDITIONAL MATHEMATICS VIA AN INTERACTIVE APPROACH

INTERNATIONAL COMPETITION AND EXHIBITION ON COMPUTING INNOVATION (ICE-CINNO) 2022

2022 PROCEEDING OTHER DATABASE MAIN AUTHOR

6. NUMERICAL SOLUTION FOR DUFFING-VAN DER POL OSCILLATOR VIA BLOCK METHOD

ADVANCES IN MATHEMATICS: SCIENTIFIC JOURNAL

2021 JOURNAL SCOPUS MAIN AUTHOR

7. SECURITY ANALYSIS ON ELLIPTIC CURVE CRYPTOSYSTEM BASED ON SECOND ORDER LUCAS SEQUENCE USING FAULTS BASED ATTACK

ADVANCES IN MATHEMATICS: SCIENTIFIC JOURNAL

2020 JOURNAL SCOPUS MAIN AUTHOR

8. NUMERICAL SOLUTION OF NONLINEAR FREDHOLM AND VOLTERRA INTEGRALS BY NEWTON-KANTOROVICH AND HAAR WAVELETS METHODS

SYMMETRY

2020 JOURNAL SCOPUS MAIN AUTHOR

9. ON THE SECURITY COMPARISON OF LUC-TYPE CRYPTOSYSTEMS USING CHOSEN MESSAGE ATTACK

ADVANCES IN MATHEMATICS: SCIENTIFIC JOURNAL

2020 JOURNAL SCOPUS MAIN AUTHOR

10. ON THE UNIFORM SUMMABILITY OF THE FOURIER-LAPLACE SERIES ON THE SPHERE

JOURNAL OF PHYSICS: CONFERENCE SERIES

2020 JOURNAL SCOPUS MAIN AUTHOR

11. NUMERICAL APPROXIMATION OF RICCATI TYPE DIFFERENTIAL EQUATIONS

ASM SCIENCE JOURNAL

2020 JOURNAL SCOPUS MAIN AUTHOR

12. SOLVING DUFFING TYPE DIFFERENTIAL EQUATIONS USING A THREE-POINT BLOCK VARIABLE ORDER STEP SIZE METHOD

JOURNAL OF PHYSICS.: CONFERENCE SERIES

2019 JOURNAL SCOPUS MAIN AUTHOR

13. CHAPTER 14 VARIABLE ORDER STEP SIZE ALGORITHM FOR SOLVING SECOND ORDER ODES

EMBRACING MATHEMATICAL DIVERSITY

2019 CHAPTER IN BOOK MAIN AUTHOR

PUBLICATION

14. SUMMATION BY RIESZ MEANS OF THE FOURIER-LAPLACE SERIES

FILOMAT

2018 JOURNAL WOS MAIN AUTHOR

15. SOLUTION FOR NONLINEAR RICCATI EQUATION BY BLOCK METHOD

AIP CONFERENCE PROCEEDINGS

2018 JOURNAL SCOPUS MAIN AUTHOR

16. A NUMERICAL SOLUTION FOR DUFFING-VAN DER POL OSCILLATORS USING A BACKWARD DIFFERENCE FORMULATION

AIP CONFERENCE PROCEEDINGS

2018 JOURNAL SCOPUS MAIN AUTHOR

17. A BACKWARD DIFFERENCE FORMULATION FOR SOLVING DOFFING-VAN DER POL TYPE OSCILLATORS

INTERNATIONAL JOURNAL OF ENGINEERING & TECHNOLOGY

2018 JOURNAL SCOPUS MAIN AUTHOR

18. A NUMERICAL SOLUTION FOR DUFFING-VAN DER POL OSCILLATORS USING A BACKWARD DIFFERENCE FORMULATION

INTERNATIONAL CONFERENCE ON APPLIED SCIENCE AND TECHNOLOGY 2018

2018 PROCEEDING NON-INDEX MAIN AUTHOR

19. ON THE LEBESGUE CONSTANTS OF FOURIER-LAPLACE SERIES BY RIESZ MEANS

JOURNAL OF PHYSICS

2017 JOURNAL WOS MAIN AUTHOR

20. ABSENCE OF LOCALIZATION OF FOURIER-LAPLACE SERIES

AMERICAN INSTITUTE OF PHYSICS (AIP)

2017 JOURNAL SCOPUS MAIN AUTHOR

21. UNIFORM CONVERGENCE OF THE FOURIER-LAPLACE SERIES

AMERICAN INSTITUTE OF PHYSICS (AIP)

2017 JOURNAL SCOPUS MAIN AUTHOR

22. SOLUTION FOR NONLINEAR DUFFING OSCILLATOR USING VARIABLE ORDER VARIABLE STEPSIZE BLOCK METHOD

MATEMATIKA

2017 JOURNAL WOS MAIN AUTHOR

23. VARIABLE ORDER VARIABLE STEPSIZE ALGORITHM FOR SOLVING NONLINEAR DUFFING OSCILLATOR

JOURNAL OF PHYSICS: CONF. SERIES

2017 JOURNAL WOS MAIN AUTHOR

24. BLOCK VARIABLE ORDER STEP SIZE METHOD FOR SOLVING HIGHER ORDER ORBITAL PROBLEMS

AMERICAN INSTITUTE OF PHYSICS (AIP) PROCEEDINGS

2017 JOURNAL SCOPUS MAIN AUTHOR

25. ASYMPTOTIC FORMULA FOR THE RIESZ MEANS OF THE SPECTRAL FUNCTIONS OF LAPLACE-BELTRAMI OPERATOR ON UNIT SPHERE

JOURNAL OF PHYSICS: CONF. SERIES

2017 JOURNAL WOS MAIN AUTHOR

26. BLOCK VARIABLE ORDER STEP SIZE METHOD FOR SOLVING HIGHER ORDER ORBITAL PROBLEMS

PROCEEDINGS OF THE 13TH IMT-GT INTERNATIONAL CONFERENCE ON MATHEMATICS, STATISTICS AND THEIR APPLICATIONS (ICMSA2017)

2017 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

27. SOLUTION FOR NONLINEAR RICCATI EQUATION BY BLOCK METHOD

SIMPOSIUM KEBANGSAAN SAINS MATEMATIK 25

2017 PROCEEDING NON-INDEX MAIN AUTHOR

28. 2 POINT BLOCK BACKWARD DIFFERENCE METHOD FOR SOLVING RICCATI TYPE DIFFERENTIAL PROBLEMS

AIP CONFERENCE PROCEEDINGS

2016 JOURNAL SCOPUS MAIN AUTHOR

29. THE SOLUTION OF RICCATI TYPE DIFFERENTIAL EQUATION BY MEANS OF VARIABLE ORDER VARIABLE STEPSIZE BACKWARD DIFFERENCE METHOD

JOURNAL OF SOFT COMPUTING AND APPLICATIONS

2016 JOURNAL SCI MAIN AUTHOR

30. ON THE LEBESGUE CONSTANTS OF FOURIER-LAPLACE SERIES BY RIESZ MEANS

37TH INTERNATIONAL CONFERENCE ON QUANTUM PROBABILITY AND RELATED TOPICS

2016 PROCEEDING NON-INDEX MAIN AUTHOR

31. UNIFORM CONVERGENCE OF THE FOURIER-LAPLACE SERIES

4RD INTERNATIONAL CONFERENCE ON MATHEMATICAL SCIENCES (ICMS4)

2016 PROCEEDING NON-INDEX MAIN AUTHOR

32. ABSENCE OF LOCALIZATION OF FOURIER-LAPLACE SERIES

4TH INTERNATIONAL CONFERENCE ON MATHEMATICAL SCIENCES (ICMS4)

2016 PROCEEDING NON-INDEX MAIN AUTHOR

33. ON THE WEAK LOCALIZATION PRINCIPLE OF THE EIGENFUNCTION EXPANSIONS OF THE LAPLACE-BELTRAMI OPERATOR BY RIESZ METHOD

MALAYSIAN JOURNAL OF MATHEMATICAL SCIENCES

2015 JOURNAL SCOPUS MAIN AUTHOR

34. SOLVING NONSTIFF HIGHER ORDER ODES USING VARIABLE ORDER STEP SIZE BACKWARD DIFFERENCE DIRECTLY

MATHEMATICAL PROBLEMS IN ENGINEERING

2014 JOURNAL WOS MAIN AUTHOR

35. LOCALIZATION OF FOURIER-LAPLACE SERIES OF DISTRIBUTIONS

MALAYSIAN JOURNAL OF MATHEMATICAL SCIENCES

2013 JOURNAL SCOPUS MAIN AUTHOR

36. ON THE SUFFICIENT CONDITIONS OF THE LOCALIZATION OF THE FOURIER-LAPLACE SERIES OF DISTRIBUTIONS FROM LIOUVILLE CLASSES

JOURNAL OF PHYSICS.: CONF. SER

2013 JOURNAL SCOPUS MAIN AUTHOR

CONSULTATION

1. MATHEMATICAL EDUCATION

BEIJING WUZI UNIVERSITY

2022

INTERNATIONAL

AWARDS/RECOGNITION

1. ANUGERAH KECEMERLANGAN STAF

2024

UNIVERSITY

2. BRONZE MEDAL

2024

NATIONAL

3. ACADEMIC ADVISOR

USIM-KPT

2024

NATIONAL

4. ACADEMIC ADVISOR

USIM-KPT

2024

NATIONAL

5. ACADEMIC ADVISOR

USIM-KPT

2024

NATIONAL