

ZANARIAH ABDUL MAJID

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EXPERTISE

Prof. Dr Zanariah Abdul Majid is currently a lecturer in the Department of Mathematics, Faculty of Science at the Universiti Putra Malaysia (UPM). She has published widely in the area of numerical analysis. Her area of research is emphasis on solving ordinary differential equation, delay differential equation, boundary value problem, volterra and fredholm-integro differential equation, differential algebraic equation and higher order ODEs that will involve the multistep method. She won several awards and gold medals with her hard work and distinguished efforts in research at national and international level. She has four research copyrights for the developed software. Major sponsors of her research include the PUTRA Research Grant and Fundamental Research Grant Scheme (FRGS).

Current Research Interest

- Numerical solutions of neutral delay differential equations using multistep block method
- Three step block method for solving nonlinear boundary value problems directly
- New approach in handling small vanishing lag of delay differential equations using multistep block method
- Numerical Solution of Direct Multistep Block Methods For Solving Higher Order Boundary Value Problems
- Development and Implementation of multistep block method for solving voltera integro differential equations

LINK TO POSTGRADUATE FIELD OF STUDY:

Numerical Analysis, Computational Mathematics

ADDITIONAL INFORMATION:

- <https://scholar.google.com/citations?user=a7jHfhwAAAAJ&hl=en>
- https://www.researchgate.net/profile/Zanariah_Abdul_Majid
- <https://www.scopus.com/authid/detail.uri?authorId=15837562800>
- https://www.researchsea.com/html/experts.php/eid/504/research/zanariah_bt_abdul_majid.html