Curriculum Vitae

- **Personal Information**

  - Name: ABDALQADER MAHMOUD ABDALQADER MUSTAFA
  - Date and Place of Birth: DECEMBER 27th, 1982 in TULKARM, PALESTINE
  - Telephones: Home (092683080), Mobile (0569634346)
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- **Education**

  - PhD of Differential Geometry, University of Malaya, Malaysia, Mathematics.
  - Master of Pure Mathematics, BirZeit University, Palestine.
  - Bachelor of Pure Mathematics, BirZeit University, Palestine.
  - High School Certification, Ministry of Education, Palestine.

- **PhD Thesis**

  - Tittle: Geometry of Warped Product Submanifolds of Riemannian Manifolds.
  - Supervisors: Doctor Loo Tee How and Professor Doctor Bernardine R. Wong.
  - Description: This thesis is devoted to investigate warped product submanifolds of both almost contact and almost Hermitian manifolds, in a hope for finding new solutions for old and new open problems asked by S. S. Chern, M. Gromov and B. Y. Chen. For this, our objectives are classified into three major categories. Firstly, proving existence and nonexistence of a warped product submanifold. In the existence case, necessary geometric properties are shown to be possessed by such submanifold. Finally, simple relationships are established between intrinsic and extrinsic invariants.

- **Research Papers**

  (a). **Published**

  (1) - A. Mustafa, Avik De and S. Uddin. *Characterization of warped product submanifolds in Kenmotsu manifolds*, Balkan Journal of Geometry and Its Applications, 20(2015), no. 1, 86-97.

  (2) - A. Mustafa, S. Uddin and B. R. Wong. *Generalized inequalities on warped product submanifolds in nearly trans-Sasakian manifolds*, Journal of inequality, (2014).

  (3) - S. Uddin, A. Mustafa, B.R. Wong and C. Ozel. *A geometric inequality for warped product semi-slant submanifolds of nearly cosymplectic manifolds*, Revista de la Uni n Matemtica Argentina, 2014.

  (4) - A. Mustafa, S. Uddin, V. A. Khan and B. R. Wong. *Contact CR-warped product submanifolds of nearly trans-Sasakian manifolds*, Taiwan. J. Math., 17(2013).
    ⋆⋆(This paper was presented in the conference of differential geometry in Oklahoma University in 2012)

  (5) - S. Uddin, B. R. Wong and A. Mustafa. *Warped Product Pseudo-Slant Submanifolds of a Nearly Cosymplectic Manifold*, Abstract and Applied Analysis, 2012.

  (6) - S. K. Hui, S. Uddin, C. Ozel and A. Mustafa. *Warped product submanifolds of LP-Sasakian manifolds*, Discrete Dynamics in Nature and Society, 2012.

  (7) - S. Uddin, A. Mustafa and C. Ozel. *On warped product submanifolds of nearly Sasakian manifolds*, Iran Journal of Mathematics, 2016.

(b). **Submitted**

(1) - A. Mustafa, L. T. How and B. R. Wong. *An optimal geometric inequality for semi-slant warped product submanifolds of nearly Sasakian manifolds.* Acta Mathematica Hungarica.

(2) - A. Mustafa, M. Jarrar. *A sharp geometric inequality for semi-slant warped product submanifolds of nearly Kenmotsu manifolds.* Mathematica Slovaca.

(c). **Preprints**

(1) - A. Mustafa. *Existence of $\mathcal{D}_i$-minimal Riemannian warped product submanifolds.*

(2) - A. Mustafa. *A general geometric inequality of Ricci curvature and the mean curvature curvature vector for $\mathcal{D}_i$-minimal warped product submanifolds.*

(3) - A. Mustafa. *$\mathcal{D}_i$-minimality for general second inequality of h.*

(4) - A. Mustafa. *The δ-invariant inequality of Riemannian warped product submanifolds.*

(5) - A. Mustafa. *Warped product submanifolds of almost Hermitian manifolds.*

(6) - A. Mustafa. *Warped product submanifolds of almost contact manifolds.*

(d). **On going**

(1) - A. Mustafa. *Semi-slant warped product submanifolds of Riemannian manifolds.*

(2) - A. Mustafa. *Hemi-slant warped product submanifolds of Riemannian manifolds.*

(3) - A. Mustafa. *The second inequality of h for contact CR-warped product submanifolds of Kenmotsu manifolds.*

(4) - A. Mustafa. *The δ-invariant inequality of $\mathcal{D}_i$-minimal Riemannian warped product submanifolds.*

(5) - A. Mustafa. *$\mathcal{D}_i$-minimality and the first inequality of h.*

- **Experience**

    - Lecturer of mathematics in Khodori University in Palestine, 2016.
    - Research Assistant in Bir Zeit University (2007-2009).
    - Teacher of Mathematics, in the American Academy (2015), Almostaqbal Schools and in the Palestinian Ministry of Education (2009-2011).
    - Research Assistant, in the University of Malaya (2012-2014).
    - Member in the American Mathematical Society Reviewers (2013-present).

- **Conferences**

    - Conference of mathematical modeling and differential equations in Bir Zeit University.

- **Awards**

    - Scholarship for the master program of mathematics in Bir Zeit University (2007-2009).