

## HAILA MOHAMMED ALODAN

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**CITIZENSHIP:** Saudi.

**EDUCATION:** 2001 Ph.D., King Saud University, Riyadh, Saudi Arabia.  
 Dissertation: *Geometry of Submanifolds with parallel Mean curvature Vector.*

1991 M.S., King Saud University, Riyadh, Saudi Arabia.  
 Dissertation: *On Cliques and Stable Sets of Perfect Graph*

1985 B.S. (Honors), Applied Mathematics, Florida Institute of Technology, Florida, U. S.A.

### **TEACHING EXPERIENCE:**

King Saud University, Riyadh, Saudi Arabia.

Professor:	(2011- Present).
Associate Professor:	(2011- 2021).
Assistant Professor:	(2001- 2011).
Lecturer:	(1991- 2001).
demonstrator:	(1985- 1991).

### **Examined dissertations:**

Two Ph.D. dissertations.  
 Seven M.S. dissertations.

### **Advised dissertations:**

Two student on their Ph.D. dissertation (assistant advisor).  
 Three student on their M.S. dissertation (one of them as assistant advisor).

### **MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:**

1. *The Mathematical Association of America.*
2. *American Mathematical Society.*
3. *Marathwada Mathematical Society.*
4. *Saudi Association for Mathematical Sciences.*

## **ADMINISTRATIVE EXPERIENCE:**

1. *Vice dean of admission and registration . (2008-2013).*
2. *Full-time consultant at Higher Education Ministry. (2014-2017).*

## **PUBLICATIONS:**

1. **Alodan, Haila, A conformal Class of Riemannian Metrics, New Zealand J. Math.,vol.28(1999) p. 1-5.**
2. **Alodan, Haila, Deshmukh, Sharief, Compact Submanifolds of an Euclidean Space, Int. J. Applied Math. Vol.5 no.3(2001) p. 325-347.**
3. **Alodan, Haila, Deshmukh, Sharief, Submanifolds with Parallel Mean Curvature Vector in a Real Space Form., Int. math. J . vol.2 no.1(2001) p.85-100.**
4. **Alodan, Haila, Deshmukh, Sharief, Spherical Submanifolds of a Euclidean Space Quart. J. Math. Vol.58 (2002) p. 249-256.**
5. **Alodan, Haila, Deshmukh, Sharief, Characterization of Spheres in a Euclidean Space, New Zealand J. Math.,vol36(2007) p.93-99.**
6. **Deshmukh, Sharief, Alodan, Haila, Shaman, Tahani, Tangent Bundle in Hypersurfaces In A Euclidean Space. Acta Math. Academiae Paedagogicae Nyiregyhaziensis (AMAPN). 22 (2006) p. 71-87.**
7. **Alodan, Haila, Deshmukh, Sharief , Spherical Submanifolds In A Euclidean Space, Monatsh. Math. (Springer- Verlag )Vol.152, (2007) p. 1-11.**
8. **Alodan, Haila, Al-Sodais, Hana, On Characterizations of Spherical Curves, FJM, vol.28 I.2, (2008) p. 367-379.**
9. **Al-Sodais , Hana , Alodan, Haila, Spherical Gradient RICCI Solitons, JP Journal of Geometry and Topology, Vol. 10, I.1, (2010) p. 63 - 68 .**
10. **Alodan, Haila, Conformal Gradient Vector Fields, Diff. Geom. - Dynamical Systems, Vol.12, (2010) p. 1-3.**
11. **Alodan, Haila, Hypersurfaces Of A Riemannian Manifold With Killing Vector Field. Diff. Geom. - Dynamical Systems p. 19-26 vol.13 (2011).**
12. **Sharief Deshmukh, Haila Alodan and Hana Al-Sodais, A note on Ricci solitons,Balkan Journal of Geometry and Its Applications p. 48-55.vol.16 no.1 (2011).**

13. Hana Al-Sodais , Haila Alodan and Sharief Deshmukh, Hypersurfaces of Euclidean Space as Gradient Ricci Solitons, Annals of the Alexandru Ioan Cuza University - Mathematics. ISSN (Online) 1221-8421, DOI: 10.2478/aicu-2014-0009, May 2014.
14. AlSodais , Hana , Alodan, Haila, Geometry of the Ricci Soliton Hypersurfaces, JP Journal of Geometry and Topology, Vol. 18, 2, (2015) p. 117 - 131 .
15. Hanan Alohalil, Alodan, Haila. Compact Submanifolds in Euclidean Space. Advances in Mathematics and Statistical Sciences. (2015) p. 321-325.
16. Alodan, Haila, Alharbi, Faizah, Special Curves in R4. International Research Journal of Mathematics, Engineering and IT (IRJMEIT) vol. 3,no. 8 (2016) p. 22-27.
17. Hanan Alohalil , Haila Alodan and Sharief Deshmukh, Conformal Vector Fields on Submanifolds of Euclidean Space, Publ. Math. Debrecen. DOI: 10.5486/PMD-2017.7803, 91/1-2(2017) p.217-233.
18. Haila Alodan, Bang-Yen Chen, Sharief Deshmukh, Gabriel-Eduard Vilcu, On some geometric properties of quasi-product production models, Journal of Mathematical Analysis and Applications, vol. 474 (2019) p. 693-711.
19. Hanan Alohalil , Haila Alodan and Sharief Deshmukh, Conformal and killing vector fields on real submanifolds of the canonical complex space from Cm, Revista de la union matematica argentina, Vol 60 (2019) p. 417-430.
20. Haila Alodan. Sharief Deshmukh, Bang yen Chen and Gabriel Eduard Vilcu, A generalized Wintgen inequality for quaternionic CR-submanifolds, Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas, Vol 129 DOI: 10.1007/s13398-020-00866-8 (2020).
21. Sharief Deshmukh; Nasser Bin Turki; Haila Alodan, On the differential equation governing torqued vector fields on a Riemannian manifold, Symmetry Journal, (2020). (Accepted for publication)
22. Haila Alodan, Rectifying curves in Euclidean space E4, Far East Journal of Mathematical Sciences (FJMS), (2019) (Accepted for publication)
23. Haila Alodan, Ricci Solitons, JP Journal of Geometry and Topology, (2019) (Accepted for publication)
24. Haila Alodan. Sharief Deshmukh, Nasser Bin Turki and Gabriel Eduard Vilcu, Hypersurfaces of a Sasakian manifold, Mathematics journal (2020). (Accepted for publication)