

## **Personal Information**

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## **Educational Qualifications**

- Bachelor of Science and Education with honors majoring in Mathematics, from College of Education- Science Section in Riyadh, June 2001.
- Master of Science in Mathematics, Specialization in Differential Engineering, 26-6-1427H, Faculty of Science, King Saud University.  
Title of Thesis:  
**Criterion for a Submanifold of a Euclidean Space to Lie on a Hypersphere.**
- PhD in Mathematics, 29-4-1434 H, 11-3-2013G, Faculty of Science, King Saud University.  
Title of Thesis: **Geometry of Ricci Solitons.**

## **Work Experience**

King Saud University, College of Science, Mathematics Department

- Assistant Professor since 20-6-1434 AH.
- Lecturer from 7-2-1430 AH .
- Demonstrator from 5-4-1428H.
- Collaborator from the second semester 25-1426 AH to the end of the second semester 26-1427 AH

## **Talks and Presentations Given at Conferences:**

- Third Saudi Conference on Science: 20-2-1428 H - 23-2-1428 H : presentation of a joint research and scientific poster with Dr. Haila Al-Odan, entitled “Characterization Of Spherical Curves”
- "Symposium on the March of Saudi Women in the Colleges of Science" held at the Faculty of Science, Princess Nourah bint Abdulrahman University, 11-13/6/1432H, delivered a research entitled “Spherical Gradient Ricci Soliton”.

## **Published Research:**

1-Alodan, Haila, Al-Sodais, Hana, ON CHARACTERIZATIONS OF SPHERICAL CURVES, Far East Journal of Mathematical Sciences (FJMS) Volume 28, Issue 2, Pages 367 - 379 (February 2008).

2- Al-Sodais, Hana, Alodan, Haila, Spherical Gradient Ricci Solitons, Jp Journal of Geometry and Topology, 10, No. 1, 63-68 (2010).

3-Deshmukh, Sharief, Alodan, Haila, Al-Sodais, Hana, A Note on Ricci Soliton, Balkan Journal of Geometry and Its Applications(BJGA), 16(1), Pages 48-55. (2011).

4-Al-Sodais, H., Alodan, H., Desmukh, S., 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](https://doi.org/10.2478/aicu-2014-0009), (May 2014).

5-Al-Sodais, H., Alodan, H., Geometry of the Ricci Solitons Hypersurfaces, JP Journal of Geometry and Topology,18, No.2, 117-131 (2015).

6-Deshmukh, Sharief, Al Sodais, Hana, A Note on Ricci Solitons, Symmetry 2020, 12, 289 (ISSN 2073-8994), (February 2020).

7- Deshmukh, Sharief, Bin Turki, Nasser, Al Sodais, Hana, Characterizations of Trivial Ricci Solitons, Advances in Mathematical Physics 2020, ISSN: 1687-9139, (April 2020).

8- Deshmukh, Sharief, Al-Sodais, Hana. A note on almost Ricci solitons. Analysis and Mathematical Physics. 2020; 10 (4):1-11.

9- Deshmukh, Sharief, Alsodais, Hana, Bin Turki, Nasser. Some Results on Ricci Almost Solitons. Symmetry. 2021; 13 (3):430.