

Curriculum Vitae:

Personal Data:

Name: *Haifa Mohammed Khader Ahmad Tahlawi.*
Date & Place of Birth: *September 15, 1969; Riyadh, Kingdom of Saudi Arabia.*
Marital Status: *Married*
Degrees: *B Sc, M Sc, Ph D*
Field of Specialization: *Mathematics / Functional Analysis / JB*-triples.*
Postal Address: *P.O. Box no. 22452, Riyadh 11459*
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Academic Qualifications:

Degree	Year	University	Subjects
Ph D	2012	King Saud University, K.S.A	Functional Analysis: JB*-triples
M Sc	1994	Jordanian University, Jordan	Real Analysis, Complex Analysis, Topology, Group Theory, Ring Theory, Linear Algebra, Functional Analysis, Matrix analysis, Applied Mathematics, Probability Theory
B Sc	1991	King Saud University, K.S. A	Mathematics (Pure & Applied)

Professional Experiences:

- 1) Associative Professor in Mathematics department (KSU), **2026**
- 1) Assistant Professor in Mathematics department (KSU), **2013-2024.**
- 2) Part timer lecturer in Mathematics department (KSU), **2009-2011.**
- 3) Math lecturer in Arab Open University (AOU), **2003 – 2006.**
- 4) Lecturer in the Education College for girls, **1995 -2002.**
- 5) Assistant teacher in the Jordanian University, **1993 – 1994.**

Courses Taught:

- *Pre-Calculus*
- *Calculus*
- *Linear Algebra*
- *Discrete mathematics*
- *Mathematical logic.*
- *Real analysis.*
- *Multivariable calculus.*
- Multivariable analysis.
- Measure theory.
- Functional analysis.
- Number theory.
- Complex analysis.

Attended conferences and participations:

- 1) Attended the Annual Math Days held in Riyadh, Princess Noura bent Abdul-Aziz university (February, 20th, 2020).
- 2) A presentation in title "Bade-property, Extremally Rich JB^* -triples and λ -property" in the 6th International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM) held in Istanbul, Turkey, at the Istanbul Medeniyet University, from June 12 to 15, 2019.
- 3) Attended the International Conference on Education Evaluation, ICEE, organized by Education & Training Evaluation Commission, held in Riyadh King Saud University (December 4 – 6, 2018).
- 4) A presentation in title "On geometry of the unit ball in a JB^* -triple" in the 4th Conference on Mathematical Sciences and Applications organized by Saudi Association for Mathematical Sciences, held in King Saud University, Riyadh KSA, (April 11-12, 2018).
- 5) A presentation in title "Bade Property; Survey and Comparison with λ -property, Russo-Dye Theorem and Extremal Richness" in the first International Conference of Mathematics & its Applications organized by King Khalid University in Abha KSA, (March 26-27, 2018)
- 6) Participation with a Poster in title "Unitary Isotopes of JB^* -triples" in the Conference of Mathematics and its Applications, Al-Imam University, Riyadh, KSA, (March 23-24, 2011).
- 7) Participation with a Poster in the First Scientific Conference for higher education students in Saudi universities, (March 1- 4/ 2010).
- 8) 20 minute contributed paper in title "BP-quasi invertible elements in JB^* algebras", First Annual Math Days of King Saud University, **FAMD 2009** KSU, (December 16 - 17 /2009).

- 9) Participation with a Poster in title "On some invertibility notions", in the First International Math Conference, Syria-Damascus University, (November 4 - 5/2009).
- 10) Attended the Seventh Meeting of Saudi Association for Mathematical Sciences, Prince Sultan University, (April 7 -8, 2004).

Research Papers:

Research Papers:

- 1) "Peirce Decomposition of Quasi Jordan Algebras." *Contemporary Mathematics* (2025): 543-550. (With Alhefthi, Reem K., Akhlaq A. Siddiqui).
- 2) "Linear Preserves of BP-quasi invertible elements in JB^* -algebras." *Journal of Advances in Mathematics* Vol 22 (2023) ISSN: 2347-1921
- 3) "A projection-less approach to Rickart Jordan structures." *Journal of Algebra* 609 (2022): 567-605. (with Garcés, Jorge J., Lei Li, Antonio M. Peralta)
- 4) "Bade-property, Extremally Rich JB^* -triples and λ -property", Preceding of the 6th International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM) (2019).
- 5) "Bade-property; survey and comparison with λ -property, Russo-Dye Theorem and Extremally richness", *Jordan J. Math. Stat. (JJMS)* 11(4), (2018), 363 - 382 (with G. M. Alsahli).
- 6) "Extremally rich JB^* -triples", *Ann. Funct. Anal.* 7 (2016), no. 4, 578–592 doi: 10.1215/20088752-3661557 (with F. B. Jamjoom, A. M. Peralta and A. A Siddiqui).
- 7) "Cebysev subspaces of JBW^* -triples", *Journal of Inequalities and Applications* (2015) 2015:288 doi: 10.1186/s13660-015-0813-2 (with F. B. Jamjoom, A. M. Peralta and A. A Siddiqui).
- 8) "Approximation and convex decomposition by extremals and the λ -function in JBW^* -triples", *The Quarterly Journal of Mathematics* (2015), 1–21; doi:10.1093/ qmath / hau036) (with F. B. Jamjoom, A. M. Peralta and A.A Siddiqui).

- 9) "The λ -function in JB^* -triples", *Journal of Mathematical Analysis and Applications*, 414 (2014) 734–741 [[being reviewed in MR](#); [ISI impact factor 1.119](#)] (with F. B. Jamjoom, A. and A.A Siddiqui).
- 10) "On the geometry of the unit ball of a JB^* -triple", *Abstract and Applied Analysis*, vol. 2013, Article ID 891249, 8 pages, 2013.
doi:10.1155/2013/891249 (2013). [[MR3064400](#); [ISI impact factor 1.274](#)]
(with F. B. Jamjoom, A. and A.A Siddiqui).
- 11) "Analogue of Brown-Pedersen' quasi-invertible elements for JB^* -triples", *International Journal of Mathematical Analysis*, vol. 5, no. 30, 1469-1476, (2011) [[MR 2843079](#); [Zbl 1248.46045](#)] (with A. A Siddiqui).
- 12) "On non-degenerate Jordan triple systems", *International Journal of Algebra*, vol. 5, no. 22, 1099-1105, (2011) [[MR 2855686](#); [Zbl 1269.46048](#)]
(with A. A Siddiqui).
- 13) "Unitary Isotopes of JB^* -triples", Imam Univ, Riyadh (2011) (with A. A Siddiqui).