

Arran Fernandez (FACULTY MEMBER)

Area: MATHEMATICS – ANALYSIS

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Online Research Profiles <https://scholar.google.com/citations?user=zWjHb-0AAAAJ&hl=en&oi=ao>

https://www.researchgate.net/profile/Arran_Fernandez

<https://mathscinet.ams.org/mathscinet/MRAuthorID/1206219>

<https://www.webofscience.com/wos/author/record/457449>

Research Area Keywords

- Fractional calculus
- Fractional differential equations
- Mittag-Leffler functions
- Operational calculus
- Clifford analysis
- Asymptotic analysis
- Zeta functions

Recent Supervised Theses / Projects

Ph.D. Theses:

- 1) Fractional Differential Equations with Sonine Kernels – Yildiz Güzoğlu Yücel (2025).
- 2) Fractionalising Complex Analysis on Clifford Algebras – Walaa Yasin (2025).
- 3) Bivariate Versions of Fractional Calculus with General Analytic Kernels – Sunday Simon Isah (2025).
- 4) Mikusinski's Operational Calculus for Prabhakar Fractional Calculus – Noosheza Rani (2023).
- 5) Generalised Operational Calculus Approach for Fractional Differential Equations – Hafiz Muhammad Fahad (2023).

M.Sc. Theses:

- 1) Distribution Theory with Operators of Non-Integer Order – Ceren Özden (ongoing).
- 2) Clifford Algebras and Clifford Analysis – Cihan Güder (2023).
- 3) Mikusinski's Operational Calculus for Fractional Laplacians – Ibrahim Abdullahi Saleh (2021).

BAP-C Projects:

- 1) "Hypercomplex Analysis, Transforms, and Spaces" (2024).
- 2) "Clifford Analysis Knowledge Exchange" (2023).