

Staff Name : Dr. P. Agilan
Faculty ID : TMA 36
Designation : Associate Professor
Qualification : M.Sc., B.Ed., M.Phil., Ph.D.
Experience : 16 Years 7 Months
Area of Specialization : Stability of Functional Equations
Subject Handled in UG : 1. Mathematics-I, II
2. Transforms & Partial Differential Equations
3. Probability and Queueing Theory
4. Numerical Methods
5. Probability and Statistics
6. Random Processes
Subject Handled in PG : 1. Applied Mathematics for Electronics Engineers
2. Applied Mathematics for Electrical Engineers
3. Applied Probability and Statistics
Journal Published : International: 25 National: -

1. " Stability Analysis of a New Class of Series Type Additive Functional Equation in Banach Spaces: Direct and Fixed-Point Techniques" *Mathematics* 2023, 11, 887; <https://doi.org/10.3390/math11040887> (Published online: Indexed in Web of Science, Clarivate Analytics, Scopus with impact factor: 2.592)
2. "Classical and Fixed Point Approach to the Stability Analysis of a Bilateral Symmetric Additive Functional Equation in Fuzzy and Random Normed Spaces." *Mathematics* 2023, 11(3), 681;

<https://doi.org/10.3390/math11030681> (Published online: Indexed in Web of Science, Clarivate Analytics, Scopus with impact factor: 2.592)

3. "Intuitionistic Fuzzy Stability of a Euler–Lagrange Symmetry Additive Functional Equation via Direct and Fixed-Point Technique (FPT)." *Symmetry* 14, no. 11 (2022): 2454, (Published online: Indexed in Web of Science, Clarivate Analytics, Scopus with impact factor: 2.940)
4. "Direct and Fixed-Point Stability–Instability of Additive Functional Equation in Banach and Quasi-Beta Normed Spaces." *Symmetry* 14, no. 8 (2022): 1700, (Published online: Indexed in Web of Science, Clarivate Analytics, Scopus with impact factor: 2.940, Citations:4)
5. "Hyers Stability of Additive Functional Equation in Banach Space" *Springer Proceedings in Mathematics and Statistics* 344 (2021) pp 79-93. (Published online: Indexed in Scopus with impact factor: 1.840, Citations:3)
6. "Stability Analysis in Banach Spaces for a General Additive Functional Equation" *Advances in Mathematics: Scientific Journal* vol 9 Issue no.11, P.No 9179–9186. (Published online: Indexed in Scopus with impact factor: 0.740, Citations:2)
7. "Generalized Ulam-Hyers Stability of Complex Additive Functional Equation", *Journal of Physics: Conference Series*, 1377 (2019) 012011 doi:10.1088/1742-6596/1377/1/012011. (Published online: Indexed in Scopus with impact factor: 1.640, Citations:2)
8. "A Classical Approach to the Intuitionistic fuzzy stability of mixed undecic-dodecic functional equation", *International Journal of Research in Advent Technology*, Vol.7, No.1, January 2019

9. **“ Additive Quadratic Functional Equation and Inequality are Stable in Banach Space”, International Journal of Research and Analytical Reviews Special Issue p.no 47-55, 2019.**
10. **“Intuitionistic Fuzzy Stability of Mixed Undecic- Dodecic Functional Equation: A Fixed Point Approach”, International Journal of Research and Analytical Reviews, Special Issue p.no 34-46, 2019.**
11. **“Mixed Q 5 S 6 , S 7 O 8 , N 9 D 10 Functional Equations”, Malaya Journal of Matematik, Malaya Journal of Matematik, Vol. S, No. 1, 188-202, 2019**
12. **“Generalised Ulam-Hyers Stability of a n - Dimensional additive functional equation in two different methods”, Int. Comput. Aided Eng. Technol. 2020, 12, 447-460.**
13. **“Ulam - Hyers stability of a n - Dimensional additive-quadratic functional equation in Anti - Intuitionistic Fuzzy normed spaces”, International Journal of Current Advanced Research, Volume: 7, Issue: 1, Special Issue January: 2018, Page No.39-47**
14. **“Ulam - Hyers Stability of Euler - Lagrange Additive Functional Equation in Intuitionistic Fuzzy Banach Spaces: Direct and Fixed Point Methods”, Malaya Journal of Matematik, Vol. 6, No. 1, 276-285, 2018**
15. **“ Solution and Two Types of Ulam - Hyers stability of n Dimensional Cubic- quartic functional equation in Intuitionistic Normed Spaces”, Malaya Journal of Matematik, Vol. 6, No. 1, 213-229, 2018.**
16. **“General solution and Generalized Ulam - Hyers stability of ri-Type n Dimensional Quadratic-Cubic functional equation in Random Normed Spaces: Direct and Fixed Point Methods”, Malaya Journal of Matematik, Vol. 6, No. 1, 162-176, 2018.**

17. **“Solution and Ulam-Hyers Stability of a n - Dimensional Additive Functional Equation in Banach Space and Banach Algebra: The Direct and Fixed Point Methods”, International Journal of Pure and Applied Mathematics Volume 120 No. 9 2018, 93-104.**
18. **“Solution and Ulam-Hyers stability of a n - dimensional additive functional equation in Banach space and banach algebra: direct and fixed point methods”, Annals of Pure and Applied Mathematics, Vol. 15, No. 1, 2017, 25-41**
19. **“Stability of a Quadratic- Cubic Functional Equation In Intuitionistic Fuzzy Normed Spaces”, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 11 No.1 (2016), 339-349**
20. **“Solution and Ulam - Hyers stability of an additive - quadratic functional equation in Banach Space: Hyers Direct and Fixed Point Methods”, International Journal of Mathematics and its Applications, Volume 3, Issue 4 - D (2015), 17-46**
21. **“ Solution and Ulam-Hyers stability of a ri type n dimensional additive quadratic functional equation in quasi beta Normed spaces”, Malaya Journal of Mathematics, (2015), 203 - 214.**
22. **“Ulam-Hyers stability of a ri type n dimensional additive quadratic functional equation in quasi beta normed spaces: a fixed point approach”, Malaya Journal of Mathematics, (2015), 192 - 202.**
23. **“Additive Quadratic functional equation are Stable in Banach space: A Direct Method”, Far East Journal of Applied Mathematics, Volume 80, No. 1, (2013), 105 - 121**
24. **“Additive Quadratic functional equation are Stable in Banach space: A Fixed Point Approach”, International Journal of pure and Applied Mathematics, Vol. 86, No.6, (2013), 951 - 963.**

25. "Additive functional equation and inequality are stable in Banach space and its applications", Malaya Journal of Mathematics, 1(1)(2013) 10-17.

Paper Presented in : International:16 National:1
Conferences

1. "Stability Analysis of Single Variable n- Dimensional Functional Equation in Banach Spaces with Applications", NSMA-2022 Organized by Indian Institute of Technology(IIT)- Madras, 22 December 2022.
2. "Existence, Uniqueness, and Stability Analysis of the Complex-Valued Functional Equation in Banach Spaces", ICOMAA-2022 organized by University of Kalyani, 28-29 June 2022.
3. "Stability of additive functional equations in random normed spaces", ICMSEAT-2021 Organized by KPR Institute of Engineering and Technology, 22-23 December 2021.
4. "Intuitionistic fuzzy stability of additive functional equations originated from characteristic polynomial of degree three", ICMSEAT-2021 Organized by KPR Institute of Engineering and Technology, 22-23 December 2021.
5. "Classical approach to the stability analysis in Banach spaces for a AQC functional equation", 27th ICIAPSMMAA (CONIAPSXXVII) Organized by Central University of Kerala, 26-28 October 2021.
6. "Stability of additive functional equation originating from characteristic polynomial of degree three" ICAMCS-2021 Organized by SSN College of Engineering, 12-13 February 2021
7. "On the stability of the general cubic functional equation in random normed spaces" BITMIT-2020 Organized by Bannari Amman Institute of Technology, 18-19 December 2020

8. **“On the stability of the general cubic functional equation in random normed spaces” BITMIT-2020 Organized by Bannari Amman Institute of Technology,18-19 December 2020**
9. **“Stability of a (α, β, γ) Type Additive Functional Equation in Fuzzy Banach Space”, ICMMSIS-2020 Organized by Bannari Amman Institute of Technology,23-24 July 2020**
10. **“Stability Analysis in Banach Spaces for a General Additive Functional Equation”, ICMMSIS-2020 Organized by Bannari Amman Institute of Technology,23-24 July 2020**
11. **“Classical and Fixed Point Approach to the Stability of Generalized Cubic Functional Equation in Fuzzy Normed spaces” ICMS-2020, Organized by Sathyabama Institute of Science and Technology 4-6 March 2020.**
12. **"Stability of Hyperbolic Type Functional Equation in Modular Spaces" ICMCE-20, Organized by VIT University, Chennai Campus,21- 22nd February 2020.**
13. **"Hyers Stability of additive functional equation in Banach space", International Conference on Mathematical Analysis and Computing (ICMAC -2019) at SSN College of Engineering on December 23-24, 2019.**
14. **"Stability of additive functional equation in intuitionistic fuzzy Banach space - A classical approach", National Symposium on Mathematics and Applications (NSMA 2019) at IIT Madras on December 22, 2019.**
15. **"Stability Results in Quasi β normed spaced for a general ditive functional equation", National Conference on Mathematical Analysis and Applications at NIT Trichy on December 19-20, 2019.**
16. **“Generalized Ulam-Hyers Stability of Complex Adittive Functional**

Equations”, PMTIA-19, Organized by, SRM Institute of Science and Technology, Ramapuram, 27-28 September -2019.

- 17. “Solution and Ulam Stability of Complex Additive Functional Equation in Banach Space”, ICMCCI-19 Organized by Alagappa University,3-4 September 2019.**

Books Published : 1

Google Scholar : <https://scholar.google.com/citations?user=J1gV2fUAAAAJ&hl=en>

Scopus ID : <https://www.scopus.com/authid/detail.uri?authorId=55834806600>