

Dr. Y Sailaja (Selection Grade)

Assistant Professor

Educational Qualification M. Sc., B.Ed., Ph. D

Experience Teaching: 24 Years

Area of Interest Complex analysis, Numerical methods, Machine Learning

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List of Publications

International Journals: 13

International Conference: 01

- 1. Sondekola Rudra Swamy, Alina Alb Lupas, Nanjundan Magesh and Yerragunta Sailaja, Properties of a Special Holomorphic Function Linked with a Generalized Multiplier Transformation -Mathematics 2023, 11, 4126. <https://doi.org/10.3390/math11194126>.
- 2. Ala Amourah, Basem Aref Frasin, Sondekola Rudra Swamy , Yerragunta Sailaja, Coefficient bounds for Al-Oboudi type bi-univalent functions connected with a modified sigmoid activation function and k-Fibonacci numbers, Journal of Mathematics and Computer Science, 27(2022), 105-119. (Scopus)
- 3. Basem A. Frasin, Yerragunta Sailaja, Sondekola R. Swamy, and Abbas K. Wanas, Coefficient bounds for a family of bi-univalent functions defined by Horadam polynomials, ACTA ET COMMENTATIONES UNIVERSITATIS TARTUENSIS DE MATHEMATICA, 26(1), 25-32. 2022 (Scopus)
- 4. S. R. Swamy, J Nirmala and Y. Sailaja, Some Special Families of Holomorphic and AL-Oboudi Type Bi-univalent Functions Associated with Horadam Polynomials Involving Modified Sigmoid Activation function, Electronic Journal of Mathematical Analysis and Applications 10(1), 29-41, 2022.
- 5. S. R. Swamy, S. Bulut and Y. Sailaja, Some special families of holomorphic and Salagean type bi-univalent functions associated with Horadam polynomials involving a modified sigmoid activation function, Hacettepe Journal of Mathematics & Statistics, 50 (3): 710-720, (2021). DOI : 10.15672/hujms.695858 (Scopus)
- 6. S. R. Swamy and Y. Sailaja, On the Fekete-Szego coefficient functional for quasi-subordination class, Palestine Journal of Mathematics, 10(2): 666-672, 2021. (Scopus)

- 7. S. R. Swamy, Abbas Kareem Wanas and Y. Sailaja, Some Special Families of Holomorphic and Salagean Type Bi-univalent Functions Associated with (m,n) -Lucas Polynomials, *Communications in Mathematics and Applications*, 11 (4), 563–574, 2020. DOI: 10.26713/cma.v11i4.1411 (Web of science)
- 8. S. R. Swamy, Maslina Darus and Y. Sailaja, Properties on a new comprehensive family of holomorphic functions associated with Ruscheweyh derivative and generalized multiplier transformations, *Journal of Progressive Research in Mathematics*, 16(4): 3158-3166, 2020.
- 9. S. R. Swamy and Y. Sailaja, Special subfamilies of holomorphic and bi-univalent functions related to quasi-subordination, *Earthline Journal of Mathematical Sciences*, 6(2): 225-237, 2021.
- 10. S. R. Swamy, J. Nirmala and Y. Sailaja, Some special families of holomorphic and Al-Oboudi type bi-univalent functions associated with (m, n) -Lucas polynomials involving modified sigmoid activation function, *South East Asian Journal of Mathematics and Mathematical Sciences*, 17(1): 01-16: 2021.
- 11. S. R. Swamy and Y. Sailaja, Horadam polynomial coefficient estimates for two families of holomorphic and bi-univalent functions, *International Journal of Mathematics Trends and Technology*, 66(8): 131-138, 2020.
- 12. S. R. Swamy and Y. Sailaja, Sharp bounds of Fekete-Szego functional for quasi- σ subordination class, *International Journal of Mathematics Trends and Technology*, 66(11): 87-94, 2020.