



**Dr.K.S.VIDHYAA**

AssistantProfessor (Sr.G)

**CONTACTINFORMATION:**

Official No.: 044-

43923029Personal No.:

9840770214**Educational**

**Qualification**M.Sc.,M.Phil.,

Ph.D.

**ProfessionalExperience:**

Shehas19 yearsofteaching experienceinhandling undergraduateandpostgraduatestudents.

Shehasactivelyinvolvedinalldepartmentevents.

**ResearchInterest:**

Her research area is Difference Equations. She has published 10 research papers in

Peerreviewed journals.

**ResearchPublications:**

1. K.S.Vidhyaa,C.Dharuman," AsymptoticBehaviorofNon-OscillatorySolutionsofThirdOrderDelayDifferenceEquationswithPositiveandNegativeTerms",International Journal of Pure and Applied Mathematics, Volume.113, No.10(2017)
2. C.Dharuman, John R. Graef, E. Thandapani, K.S. Vidhyaa,"Oscillation of SecondOrder Difference Equation with a sub-linear Neutral Term", Journal of MathematicsandApplications, JMA N0.40(2017)

3. K.S.Vidhyaa,C.Dharuman,JohnR.Graef,E.Thandapani," ExistenceofNonoscillatorySolutionstoThirdOrderNonlinearNeutralDifferenceEquations" Filomat,Volume.32,No.14(2018)
4. K.S. Vidhyaa, C. Dharuman, E. Thandapani, Sandra Pinelas," Oscillation TheoremsforThirdOrderNon-linearDelayDifferenceEquations",MathematicaBohemica,Volume.144,No.1(2019)
5. K.S. Vidhyaa, C. Dharuman," Oscillatory and asymptotic behavior of third ordernonlineardifference equations",AIPConferenceProceedings,VolumeNo.2112,0200318(2019)
6. K.S.Vidhyaa,J.R.Graef, E.Thandapani." New oscillation results for third-order half-linear neutral differential equations",Mathematics,Volume .8,Issue No.3(2020)
7. Chatzarakis, G.E., Indrajith, N., Thandapani, E., Vidhyaa, K.S." OSCILLATORY BEHAVIOR OF SECOND-ORDER NON-CANONICAL RETARDED DIFFERENCE EQUATIONS" Australian Journal of Mathematical Analysis and Applications, Volume.18, Issue No.2(2021)
8. Bohner, M., Vidhyaa, K.S., Thandapani, E." Oscillation of noncanonical second-order advanced differential equations via canonical transform", Constructive Mathematical Analysis, Volume.5, Issue No.1(2022)
9. Vidhyaa, K.S., Thandapani, E." Some Improved Solutions of Quasilinear Neutral Difference Equations"AIP Conference Proceedings,Volume.2516(2022)
10. Kumar S. Vidhyaa, EthirajuThandapani, Jehad Alzabut, Abdullah Ozbekler." Oscillation criteria for non-canonical second-order nonlinear delay difference equations with a superlinear neutral term", Electronic Journal of Differential Equations,Volume .2023,Issue No.45(2023)

#### **Co-curricularactivities:**

1. Participated in 20 Faculty Development Programme conducted by reputed Institutions
2. Presented paper in 6 International Conferences organized by reputed Institutions
3. Completed 4 Online courses in Coursera
4. Completed 5 NPTEL courses with 1 Elite+ silver and 2Elite Grades.
5. Completed R language and Moodle learning systems from Spoken Tutorial, IIT Bombay
6. Reviewer for the Journal" Asian Journal of Mathematics"

#### **Professional Memberships:**

Member in "Ramanujan Mathematical Society"

#### **Awards:**

- Appreciation award for obtaining good result from "Jayam College of Engineering and Technology"
- Best Paper award form SRM Institute of Science and Technology in the year 2020