Curriculum   Vitae

C.Sumathi   M.Sc., M.phil.,Ph.D

27a,corporation colony,

Near amma unavagam back side

Gnnaolivupuram ,Aarapalaym,

Madurai-625016.

Ph no: 7010266893,9566499996

e.mail : mmeenu556@gmail.com

personal information

- **Name**   :   **Dr.C.Sumathi**
- **Date of birth**   :   **5.6.1991**
- **Nationality**   :   **Indian**
- **Religion &Community**   :   **Hindu & Yadava**
- **Gender**   :   **Female**
- **Marital Status**   :   **Married**
- **Spoken languages**   :   **Tamil,English**
- **Present address**   :   **27a,corporation colony,**

      Near amma unavagam back side,

      Gnnaolivupuram , Aarapalaym,

      Madurai-625016.

Academic Qualification

- Completed Ph.D Mathematics Under the guidance of Dr.V,K Santhi Associate professor, Department of mathematics ,Sri Meenakshi govt arts college for women Madurai and Co-guide Thesis entitle : Mathematical analysis of some non- linear boundary value problems in chemical sciences.
  - Completed M.phil Mathematics with 75.6% from Madura college Madurai in 2016
  - Completed M.Sc Mathematics with 75.7% from Fatima college ,Madurai in 2015.
  - Completed B.Sc Mathematics   with 79.6% from E.M.G Yadava Womens College ,Maduari in 2012.

List of Publication

1. C. Sumathi, V. Ananthaswamy and V.K.Santhi, Mathematical analysis of hydromagnetic gravity-driven thin film micropolar flow along an inclined plane, Journal of Information and Computational Science (UGC –CARE List Group-II) ,Volume 10 Issue 7,pp:430-465, 2020.

2. C.Sumathi,V. Ananthaswamy and V.K.Santhi, Mathematical analysis of the nanofluid two phase model in existence of induced magnetic field, Journal of xidian university (UGC-CARE List Group-II Socpus source list) ,Volume 14, Issue 4, pp:220-256, 2020.

3. V.Ananthaswamy, C.Sumathi and V.K.Santhi, A mathematical study on MHD boundary layer flow of nanofluid and heat transfer over a porous exponentially stretching sheet,Advances in Mathematics: Scientific Journal (UGC –CARE List Group-II-Socpus source list) 8 No.3, (Special issue on ICRAPAM),pp: 109–130 ,2019.

4. V. Ananthaswamy, C. Sumathi and V.K.Santhi, Chemical Reaction And Heat Source Effects on Steady MHD Oscillatory Flow, JASC: Journal of Applied Science and Computations(UGC Approved journal list), Volume 6, Issue 3, pp:278-292,2019.

5. C.Sumathi,V.Ananthaswamy and V.K.Santhi, Semi analytical expressions of mixed convection micropolar fluid flow using the q- homotopy analysis method, AIP Conference Proceedings ,volume 2378,issue 1,020022(2021).

6. V. Ananthaswamy, C.SumathiandV.K.Santhi,Analytical study of steady free convection mass transfer flow of a conducting micropolar fluid using Homotopy analysis method, AIP Conference Proceedings volume 2378,issue1 020017(july 2, 2021).

7. Analytical Expressions for steady MHD boundary layer flow over a stretching surface International Journal of Current Research and Modern Education (IJCRME) Volume I, Issue I, Page: 60-73ISSN(online): 2455-5428

8. .Mathematical expressions of mamillary of four compartments Journal Name: International Journal of Current Research and Modern Education (1JCRME) Volume No., Page No(s): Volume I, Issue I, 2016, Page: 301-319 ISSN(online): 2455-5428

9. Mathematical analysis of variable viscosity fluid flow through a channel and Homotopy analysis method Journal Name: International Journal of Modern Mathematics Sciences (IJMMS) Volume No., Page No.(s): Page:296-316 ISSN(online): 2166-286x

- Presented a paper titled Analytical study of steady free convection and mass transfer flow of a conducting micropolar fluid using Homotopy analysis method, in the International Conference on Discrete Mathematics and Data Sciences - ICDMDS'18, organized by the School of Humanities and Sciences and the School of Computing held at SASTRA Deemed University, Thanjavur, on 28th and 29th September 2018.

- Presented a Paper titled A mathematical analysis on the influence of thermal radiation and chemical reaction on MHD flow, in The UGC Sponsored International Conference on Recent Advances in Pure and Applied Mathematics held at Arul anandar College (Autonomous), Karumathur,Madurai-14 on 14 Feb2019.

- Presented a paper titled A mathematical study on MHD boundary layer flow of nanofluid and heat transfer over a porous exponentially stretching sheet, in the international conference on recent advances in pure and applied mathematics held at Raja Doraisingam Govt Arts college ,Sivagangai-630561 on 27th and 28th August 2019.

- Presented a paper titled Chemical reaction and heat source effects on steady MHD oscillatory flow, in the international conference on Revolutionary trends in mathematical sciences held at Mannar Thirumalai Naicker College, Madurai on 14th and 15th December 2018.

Employment history

  - Worked as an Assistant Professor in CSI college of Arts and Science for women from(9 dec 2019- 30 june 2022).
  - Worked as Assistant Professor in Fatima college (19 july 2022-29 nov 2023).
  - Worked as an Assistant Professor in Mannar Thirumalai Naicker college (5 dec –till date)