

Bio-Data

- I. Name : **Dr. Hymavathi Talla**
- II. Designation : **Professor**
- III. Mailing Address : Professor
Department of Applied Mathematics
Krishna University
Dr.MRAR PG Centre
Nuzvid-521201
- Permanent Address : Do.No.8/270
Sriram Puram
Gudivada-521301
- Email : talla.hymavathianur@gmail.com
- Telephone : **9849426579 (M)**
- Fax : 0883-2472615
- IV. Date of Birth : 31-08-1976
- Sex : Female
- Religion : Hindu
- Category : BC-B

V. Educational Qualifications(starting from graduation onwards):

Degree	University	Field	Year	Division
UG	Kakatiya University	Mathematics	1997	I (91%,Univ.II Rank)
PG	R.E.C.Warangal	Mathematics	1999	I (87.4%, R.E.C.W.Topper)
M.Phil	Madhrai Kamaraj University	Mathematics	2005	I (65%)
Ph.D	Osmania University	Mathematics	Feb, 2008	Awarded

VI. Details of professional training and research experience:

(a) Skill Up gradation Programs attended:

1. STC on “Nanotechnology: Developments & Applications” organized by NITTR, Chandigarh, during 22nd to 26th May, 2017.
2. Refresher Course in Mathematical Sciences conducted by Academic Staff College of University of Hyderabad, Hyderabad, during 14th September to 4th October, 2016.
3. STTP on “Advanced Computational Mechanics” organized by Defense Institute of Advanced Technology, Pune, during 14th to 18th July, 2014.
4. Refresher Course in Mathematics conducted by Academic Staff College of Sri Venkateswara University, Tirupati from 5th to 24th March, 2012.
5. Orientation Program conducted by Academic Staff College of Osmania University, Hyderabad from 25th April to 21st May, 2011.
6. A Four day training program conducted by IBM, Bangalore on “Rational Rose and RSA” from 11th April to 14th April, 2011.
7. Training Workshop on Web-GIS conducted jointly by Open Source Geospatial-India and Adikavi Nannaya University from 22nd to 26th February, 2011.
8. STTP on “Mathematical Modeling & Numerical Techniques” conducted by NIT, Warangal from 17th to 21st January, 2011.
9. Colloquium on Computational Intelligence held at University of Hyderabad on 23rd and 24th March, 2010.
10. STTP on “Process Modeling, Simulation and Optimization”, organized by NIT, Warangal from 1st to 14th June, 2009.
11. STTP on “Advanced Computational Techniques” organized by NIT, Warangal from 27th to 31st January, 2009.

12. STTP on “Advances in Fluid Dynamics” organized by NIT, Warangal from 23rd to 27th June, 2008.
13. STTP on “Information Systems and Modeling” organized by NIT, Warangal from 19th to 31st May, 2008.
14. STTP on “Scientific Computing and Models” organized by NIT, Warangal from 5th to 10th May, 2008.
15. STTP on “MAT-LAB” organized by S.R.Engineering College , Warangal from 3rd to 7th November, 2007.
16. STTP on “Computational Fluid Dynamics” organized by NIT, Warangal from 15th to 19th January, 2007.

(b) Workshops attended:

1. Two day National level awareness programme on “Establishing Incubation-Innovation Centers” Organized by JNTUK, Kakinada during 15th -16th, June 2017.
2. One day International Workshop on Enabling and Empowering persons with Disabilities Role of stakeholders organized by Department of Psychology, Adikavi Nannaya University, Rajamahendravaram on 4th March 2017.
3. One day International Seminar on Enabling and Empowering persons with Disabilities Role of stakeholders organized by Department of Psychology, Adikavi Nannaya University, Rajamahendravaram on 2nd & 3rd March 2017.
4. One day International symposium on Enabling and Empowering persons with Disabilities Role of stakeholders organized by Department of Psychology, Adikavi Nannaya University, Rajamahendravaram on 1st March 2017.
5. Two days National Workshop on “Advanced Techniques in Computational Fluid Dynamics” Organized by the Department of Mathematics, Osmania University, Hyderabad on 24th & 25th February, 2012.
6. “Women Scientist Sensitization Workshop” on 17th & 18th August, 2011 at JNTU Kakinada.
7. A three-day workshop on “MAT-LAB” organized by S.R.Engineering

College, Warangal from 29th to 31st January 2008.

8. A two-day workshop in “Mathematical Modeling and Simulation” organized by Vaagdevi College of Engineering, Warangal on 29th and 30th July 2006.

(c) Seminars/Conferences attended:

1. Analysis of flow of a MHD Casson fluid over an exponentially stretching sheet: 3rd International conference on research trends in Engineering, Applied science & Management, Conducted by Conference Info in association with Academic science at Osmania University Centre for International Programs on 4th November, 2018.
(Got **Best Paper** of the Conference Award)
2. 2nd International meet, ISTAM, organized by Osmania University, Hyderabad, 15th -18th, Dec2017.
3. DST-SERB Sponsored National Conference on Essence of Mathematics & Engineering Applications, Conducted by Department of Mathematics, K L University, Guntur from 17th to 18th November 2017
4. 6th International Conference on Research Trends in Engineering, Applied Science and Management(ICRTESSM-2017) Organized by Conference Info in association with Academic Science at Institution of Electronics and Telecommunication Engineers, Bengaluru on 6th August, 2017.
5. 20th International Conference of International Academy of Physical Sciences on “Recent Advances in Physical Sciences and Future Challenges”, Organized at Osmania University, Hyderabad during 14th to 16th July, 2017.
6. International Conference on ‘Engineering & Technology, Computer, Basic & Applied Sciences’(ECBA-2016), Organized by Academic Fora at Ramada Katunayake **Colombo, Sri Lanka** during May 30-31, 2016.
7. International Conference on Emerging Trends in Technology, Science and Upcoming Research in Computer Science, 25th April, 2015, Organized by DAV Institute of Management, Delhi.

8. National Seminar on “Recent Developments in Mathematics and Its Applications” Organized by K.G.R.L.College Atonomous & PG Courses, Bhimavaram conducted during 3rd & 4th March, 2015(Chair Person of Technical Sessions).
9. National Conference on “Mathematical & Computing Sciences” Organized by the Department of Mathematics, Adikavi Nannaya University on 6th and 7th July, 2012.
10. International Conference on “Mathematical Sciences and Applications” Organized by Mind Reader Publications at New Delhi on 18th December, 2011.
11. National Seminar on “Numerical Analysis & Applications” Organized by the Department of Mathematics, Adikavi Nannaya University on 8th and 9th October, 2010.
12. “International Congress of Mathematician-2010”, Organized at University of Hyderabad from August 19th -27th, 2010.
13. “Second International Conference on Polymer Processing and Characterization” held at Kottayam, Kerala from January 15th to 17th 2010.
14. National seminar on “Functional Analysis and its Applications” conducted by Osmania University on 24th November 2007.
15. A National seminar on “Numerical Techniques” conducted by Osmania University on 3rd and 4th August 2007.
16. 13th Congress of APSMS, December 10th to 12th 2004 at NIT, Warangal.

(d) Teaching Experience: Since 1999 to till date.

(e) List of Publications:

(In Journals)

1. A Quasilinearization Approach to MHD Visco-Elastic Fluid Flow and Heat Transfer a Non-Isothermal Stretching Sheet Embedded in a Porous Medium: *International Journal of Computational Intelligence Research and Applications*, Vol. 2(1), 2008, 57-72.

2. A Quasilinerisation Approach to Mixed Convection flow of a non-Newtonian flow on a vertical Surface:
International Journal of Logic Based Intelligent Systems, Vol.2(1), 2008, 15-30.
3. A Quasilinearization Approach to Heat Transfer in MHD Visco-elastic Fluid Flow:
Applied Mathematics and Computation, Vol.215(2009): 2045-2054.
4. Generalized Rough Fuzzy Groups:
International Journal of Computer Mathematical Sciences and Applications, Vol.3(1), 2009, 99-110.
5. A Quasilinearization Approach to Free Convection of a Non-newtonian Power Law Fluid Over a Vertical Plate with Constant Heat Flux:
International Journal of Computer Mathematical Sciences and Applications, Vol.4(1), 2010,73-83.
6. Reduction of Ambiguity in Rough Computing:
International Journal of Computer Mathematical Sciences and Applications, Vol.4(1), 2010,213-220.
7. Intuitionistic Rough Fuzzy Groups:
International Journal of Computer Mathematical Sciences and Applications, Vol.4(3), 2010,339-344.
8. Magneto Hydro Dynamic Flow of a Visco-elastic Fluid Over a Stretching Sheet Saturated in a Porous Medium:
International Journal of Mathematics, Computer Sciences and Information Technology, Vol.3(2), 2010, 233-241.
9. Reduction of Ambiguity in Rough Sets:
International Journal of Mathematics, Computer Sciences and Information Technology, Vol.4(1), 2011, 151-157.
10. Analysis of Rough Sets Using Two Threshlods:
International Journal of Computer Mathematical Sciences and Applications, Vol.5(3), 2011, 149-154.
11. Numerical Solution To Heat Transfer Of MHD Flow Of Visco-Elastic Fluid Over A Stretching Sheet Saturated In A PorousMedium:

- International Journal of Mathematical Sciences and Applications*, Vol.2(1), 2012, 401-409.
12. Numerical Approach to Magneto Hydro Dynamic Visco-elastic Fluid Flow and Heat transfer over a non-isothermal Stretching Sheet:
Heat Transfer Research, Vol.43(3), 2012, 187-206.
 13. Naïve Rough Fuzzy Characterization of Information Systems with Fuzzy Decision Attributes:
IFRSA's International Journal Of Computing, Vol.3(2), 2013, 63-67.
 14. Lie Group Analysis of Heat and Mass Transfer effects on Steady MHD Free Convection Flow Past an Inclined Surface with Viscous Dissipation:
International J. of Math. Sci. & Engg. Appls., Vol.7(3), 2013, 317-334.
 15. Heat Transfer to MHD Oscillatory Flow in a Horizontal Channel with Heat Source and Suction:
International Journal of Math.Sci. & Engg. Appls., Vol.7(6), 2013, 85-95
 16. Numerical Study of Flow of Walter's Liquid-B Over an Exponentially Stretching sheet:
Int. Journal of Scientific and Research Publications, Vol.3(12), 2013, 1-7.
 17. Numerical Solution of Twelfth Order Boundary Value Problems Using Homotopy Analysis Method:
Journal of Engineering, Computers & Applied Sciences (JEC&AS), Vol.3(2), 2014, 33-39.
 18. Homotopy Analysis Method for Solving Eighth Order Boundary Value Problems:
International eJournal of Mathematics and Engineering 237 (2014) 2333 – 2339.
 19. Homotopy Analysis Method to Parabolic Equations:
IFRSA International Journal Of Applied Mathematics, Vol.2(1), 2014, 7-10.
 20. Homotopy Analysis to Thermal Radiation Effects on Heat Transfer of Walter's Liquid-B Flow Over a Stretching Sheet For Large Prandtl Numbers:
Journal Of International Academic Research For Multidisciplinary, Vol.2(7), 2014, 458-469.

21. Homotopy Analysis to Flow and Heat Transfer of a Visco-elastic Fluid for Large Prandtl Numbers Over a Stretching Sheet:
International Journal of Math.Sci. & Engg. Appls., Vol.8(6), 2014, 169-180.
22. Homotopy Analysis to Radiations Effects on MHD Visco-elastic Fluid Flow and Heat Transfer Over a Stretching Sheet for Large Prandtl Numbers:
International Journal of Math.Sci. & Engg. Appls., Vol.8(6), 2014, 189-205.
23. Homotopy Analysis to Heat and Mass Transfer of a Visco-elastic Fluid Over a Moving Vertical Plate With Suction and Viscous Dissipation in a Porous Medium:
International Journal of Engg. Research & Indu. Appls., Vol.8(1), Feb-2015, 1-21.
24. Homotopy Analysis to Heat and Mass Transfer of a MHD Flow of Viscous Fluid Over a Moving Vertical Plate in a Porous Medium with Viscous Dissipation:
International J. of Engineering and Applied Sciences, Vol.2(3), 2015, 70-78.
25. Homotopy Analysis to Heat Transfer of a MHD Flow Over a Moving Vertical Porous Plate With Suction:
International J. of Science Technology and Management, Vol.4(1), 2015, 169-176.
26. Homotopy Analysis to Heat and Mass Transfer of a MHD Flow Over a Moving Vertical Porous Plate With Suction:
International Journal of Multidispl. Research & Advances in Engg., Vol.7(2), 2015, 49-74.
27. Homotopy Analysis to Flow of Walter's Liquid-B Over an Exponentially Stretching Sheet:
International e-Journal of Mathematics & Engineering, Vol.6(1), 2015, 15-21.
28. Numerical Solution to MHD Flow of Visco-elastic Fluid Over a Stretching Sheet:
International Journal of Engg. Research & Indu. Appls., Vol.8(2), 2015, 51-60.
29. Homotopy Analysis to Soret and Dufour Effects on Heat and Mass Transfer of a Chemically Reacting Fluid Past a Moving Vertical Plate With Viscous Dissipation:
IOSR Journal of Mathematics, Vol.11(6), 2015, 106-121.
30. Homotopy Analysis Method to Heat Flow of Visco-Elastic Fluid Over an Exponentially Stretching Sheet in Porous Medium:

- International Journal of Computational and Applied Mathematics*, Vol.11(2), 2016, 119-128.
31. Numerical Solution to Mass Transfer on MHD Flow of Casson Fluid With Suction and Chemical Reaction:
Int.J.Chem.Sci., Vol.14(4), 2016, 2183-2197.
 32. K-MEANS Clustering with a Covariance Matrix:
International Journal of Emerging Technology and Advanced Engineering, Vol.7(6), 2017, 218-225.
 33. One sided zero divisor graphs of rings with a total order,
Asian Journal of Mathematics and computer Research, Vol.15(1), 2017, 9-17.
 34. Homotopy Analysis to Heat and Mass Transfer of a Visco-elastic Fluid Flow Over an Exponentially Stretching Sheet Through Porous Medium:
Global Journal of Pure and Applied Mathematics, Vol.13(9), 2017, 6467-6481.
 35. Numerical Solution to Diffusion of Chemically Reactive Species of a Casson Fluid Flow Over an Exponentially Stretching Surface:
International Journal of Chemical Engineering Research, Vol.9(2), 2017, 207-221.
 36. Numerical Solution To Flow And Heat Transfer Of A Casson Fluid Over An Exponentially Permeable Stretching Surface:
International Journal of Pharmacy & Technology, Vol.9(4), 2017, 31088-31102.
 37. Homotopy Analysis To Heat Transfer Of Visco-Elastic Fluid Flow Through A Porous Medium Over An Exponentially Stretching Sheet With Non-Uniform Heat Source/Sink:
International Journal of Pharmacy & Technology, Vol. 9(4), 2017, 31108-31119.
 38. Homotopy Analysis Method To MHD Heat Transfer Flow Over Exponentially Stretching Sheet Embedded in A Thermally Stratified Medium:
International Journal of Computer & Mathematical Sciences, Vol. 6(8), 2017, 97-106.
 39. Analytical solution to MHD Flow and Heat transfer of Visco elastic fluid through porous medium over an exponentially stretching sheet:
International Journal of Computer & Mathematical Sciences, Vol.6(11), 2017, 134-141.
 40. Numerical solution to boundary layer flow and mass transfer of Casson fluid over a porous stretching sheet with chemical reaction and suction:
Journal Of Computer and Mathematical Science, Vol.9(6), 2018, 599-608.

41. Analytical Solution to Heat and Mass Transfer of MHD flow of Visco-elastic fluid Over an Exponentially Stretching Sheet Through Porous Medium:
International Journal of Pharmacy & Technology, Vol.10(2), 2018, 31319-31334.
42. An Analytical solution to MHD Flow and Heat Transfer of Visco-elastic fluid Over an Exponentially stretching sheet thorough porous media with non uniform source/sink:
International Journal of Mechanical and Production Engineering Research and Development, Vol.8(4), 2018, 1123-1134.
43. Numerical Study of Flow and Heat Transfer of Casson Fluid Over an Exponentially Porous Stretching Surface in presence of Thermal Radiation:
International Journal of Mechanical and Production Engineering Research and Development, Vol.8(4), 2018, 1145-1154.
44. Homotopy Analysis Method to Flow and Heat Transfer characteristics of a visco-elastic fluid through porous medium over an exponentially stretching sheet with viscous dissipation:
International Journal of Mathematics and Computer Applications Research, Vol.8(5), 2018, 1-12.
45. Numerical study to diffusion of chemically reactive species over MHD exponentially stretching surface of a casson fluid:
International Journal of Mechanical Engineering and Technology, Vol.9(10), 2018, 470-481.
46. Numerical study of MHD flow and Heat Transfer Over an Exponentially Permeable Stretching surface of a Casson Fluid:
International Journal of Pharmacy & Technology, Vol.10(4), 2018, 31447-31460.
47. Homotopy Analysis Method to Heat and Mass Transfer in Visco-elastic Fluid Flow through Porous Medium Over Exponential Stretching sheet with Radiation and Chemical Reaction:
Asian Journal of Mathematics and Computer Research, Vol.25(5), 2018, 303-314.
48. Analysis of Flow of a MHD Casson Fluid Over an exponentially Stretching Sheet:
International Journal of Management, Technology and Engineering, Vol.8(XI), 2018, 740-748.

49. Chemical reaction effects on a Casson fluid flow over a vertical porous surface by Keller box method:

Asian Journal of Mathematics and Computer Research, Vol.26(1), 2019, 9-22.

50. Analytical Solution to MHD Flow and Heat Transfer of Visco-elastic Fluid Over an Exponentially Stretching Sheet in Porous Media with Viscous Dissipation:

International Journal of Mechanical and Production Engineering Research and Development, Vol.9(4), 2019, 207-218.

(In Conference Proceedings):

1. Numerical Solution to MHD fluid flow in a Visco-Elastic Fluid over a Stretching Sheet Saturated in a Porous Medium:

Proceedings of Second International Conference on Polymer Processing and Characterization held at Kottayam, Kerala from January 15th to 17th 2010, 127.

2. Numerical Study of Visco-elastic flow over an Exponentially Stretching sheet:

Presented at *International Congress of Mathematicians*, August 19th-27th, 2010.

3. Various Operators on Rough Fuzzy Groups-An Impact on Information Systems:

Presented at *International Congress of Mathematicians*, August 19th-27th, 2010.

4. Numerical Solution to Heat Transfer to MHD Oscillatory Flow in a Horizontal Channel:

XX Congress of APSMS & A National Conference on Mathematical Modeling & Simulation, 9th to 11th, December, 2011.

5. Numerical Solution To Heat Transfer Of MHD Flow Of Visco-Elastic Fluid Over A Stretching Sheet Saturated In A Porous Medium:

1st International Conference on Mathematical Sciences and Applications, 18th December, 2011.

6. Numerical Solution To Heat Transfer Of MHD Flow Of Walter's Liquid-B Over A Stretching Sheet Saturated In A Porous Medium:

ISTAM in 56th Congress of ISTAM, 19th to 21st, December, 2011.

7. Parabolic Equations: Homotopy Analysis Method:

- National Conference on “Mathematical & Computing Sciences” organized by the Department of Mathematics, Adikavi Nannaya University, Rajamahendravara on 6th & 7th July, 2012.
8. Homotopy Analysis Method for Eighth Order Boundary Value Problems:
XXI Congress of APSMS and National Conference on Applications of Mathematics in Engineering, Physical and Life Sciences, 7th to 9th December, 2012 Organized at S.V.University, Tirupati.
 9. Numerical Solution of Twelfth Order Boundary Value Problems Using Homotopy Analysis Method:
ISTAM in 57th Congress of ISTAM, 17th to 20th, December, 2012.
 10. Applications of Non-stationary Thermal Wave Imaging Methods for Nondestructive Characterization of Fibre Reinforced Plastic Materials:
XXII Congress of APSMS and National Conference on Recent Trends in Applications of Mathematics, 13th to 15th December, 2013.
 11. Homotopy Analysis to the Effect of Radiation and Large Prandtl Numbers on Heat Transfer of Walter’s Liquid-B Over a Stretching Sheet:
2nd International Conference on Applications of Fluid Dynamics, ICAFD-2014, 21st to 23rd July, 2014 Organized at S.V.University, Tirupati.
 12. Homotopy Analysis to Radiation Effects on Heat Transfer of MHD flow of Walter’s Liquid B type Over a Stretching Sheet For Large Prandtl Numbers:
APAS Golden Jubilee Science Congress, 13th -15th November, 2014 Organized at IICT, Hyderabad.
 13. Homotopy Analysis to Heat Transfer of Visco-elastic Fluid Over a Moving Vertical Plate in a Porous medium:
59th Congress of ISTAM, 17th to 20th December, 2014, conducted at Alliance University, Bangaluru.
 14. Numerical Solution to Heat Transfer in MHD Visco-elastic Fluids:
XXIII Congress of APSMS and National Conference on Mathematics, 12th to 14th December, 2014, Organized at Vignan University, Guntur.

15. Homotopy Analysis to Heat Transfer of MHD Flow Over a Moving Vertical Porous Plate With Suction:
International Conference on Emerging Trends in Technology, Science and Upcoming Research in Computer Science, 25th April, 2015, Organized by DAV Institute of Management, Delhi.
(The paper got **Best Paper** of the Conference AWARD)
16. Homotopy Analysis to MHD Flow of Walter's Liquid B Over an Exponentially Stretching Sheet:
60th Congress of ISTAM, 16th to 19th December, 2015, conducted at MNIT, Jaipur.
(60-istam-fm-fp-211)
17. Homotopy Analysis to MHD Flow Past a Stretching Surface in Porous Medium:
AP Science Congress, 27th to 29th January, 2016, conducted at SVU, Tirupati.
18. Numerical Solution of a Casson Fluid Flow over an Exponentially Stretching Surface:
International Conference on Engineering & Technology, Computer, Basic & Applied Sciences, May 30-31, 2016 Conducted by Academic Fora at Ramada Katunayake Colombo, Sri Lanka. (ISBN: 978 - 969-670-441-6).
19. Homotopy Analysis Method to MHD Heat Transfer Flow Over Exponentially Stretching Sheet Embedded in a Thermally Stratified Medium:
61st Congress of ISTAM, 11th to 14th December, 2016, conducted at VIT University, Vellore.
20. Effect of mass transfer on magnetohydrodynamic chemically reactive casson fluid with suction:
National Conference on Recent advances in Fluid Mechanics, conducted by Department of Mathematics, Osmania University, Hyderabad from 30th to 31st May 2016.
21. Numerical solution to flow and Heat transfer of a casson fluid over an exponentially permeable stretching surface:
20th International Conference on Recent Advances in Physical Sciences and Future Challenges, conducted by Department of Mathematics, Physics and Chemistry,

- University college of Science, Osmania University, Hyderabad from 14th to 16th July 2017.
22. Homotopy analysis to MHD Visco-Elastic fluid flow over an exponentially stretching sheet in Porous medium:
20th International Conference on Recent Advances in Physical Sciences and Future Challenges, conducted by Department of Mathematics, Physics and Chemistry, University college of Science, Osmania University, Hyderabad from 14th to 16th July 2017.
 23. Homotopy analysis method to Visco-Elastic fluid flow over an exponentially stretching sheet through Porous medium:
20th International Conference on Recent Advances in Physical Sciences and Future Challenges, conducted by Department of Mathematics, Physics and Chemistry, University college of Science, Osmania University, Hyderabad from 14th to 16th July 2017.
 24. Homotopy Analysis method to MHD heat transfer flow over exponentially stretching sheet embedded in a thermally stratified medium:
6th International Conference on Research Trends in Engineering, Applied Science and Management(ICRTE SM-2017) Organized by Conference Info in association with Academic Science at Institution of Electronics and Telecommunication Engineers, Bengaluru on 6th August, 2017.
 25. Homotopy Analysis to Heat transfer of MHD flow over an exponentially stretching sheet through porous medium, 62nd International meet, ISTAM, organized by Osmania University, Hyderabad, 15th -18th ,Dec2017.
 26. Numerical solution to Casson Fluid flow over a Vertical Porous Surface with Chemical Reaction, 62nd ISTAM conference conducted by University College of Engineering, Osmania University, Hyderabad from 15th - 18th December 2017
 27. Study of flow of a Casson Fluid over a nonlinearly stretching sheet using Keller Box method: DST-SERB Sponsored National Conference on Essence of Mathematics & Engineering Applications, Conducted by Department of Mathematics, K L University, Guntur from 17th to 18th November 2017.

28. Unsteady MHD Casson fluid flow and heat transfer over a stretching surface with suction or blowing and thermal radiation: 2nd International conference on contemporary approaches in mathematics and emerging engineering trends (ICCAMEET-2018), organized by Vinayaka Mission's Research Foundation, Department of Mathematics during 26th and 27th April, 2018.
29. Analysis of flow of a MHD Casson fluid over an exponentially stretching sheet: 3rd International conference on research trends in Engineering, Applied science & Management, Conducted by Conference Info in association with Academic science at Osmania University Centre for International Programs on 4th November, 2018.
(Got **Best Paper** of the Conference)

(f) Books Published:

1. Book titled with "*Heat Transfer in Visco-Elastic Fluids*",
ISBN No. **978-384430602-6** by **LAP LAMBERT Academic Publishing GmbH & Co. KG, Germany.**
2. Book titled with "*Operations Research Techniques –problem solving*", ISBN No. 978-3-659-86981-5 by **LAP LAMBERT Academic Publishing GmbH & Co. KG, Germany.**

(g) Research Guidance:

M.Phil : 2

Ph.D. : **7(Awarded)**

1. Dr. P.Vijay Kumar(2015)
2. Dr. V.Mallipriya(2016)
3. Dr. B.Simhachalam(2018)
4. Dr. W.Sridhar(2018)
5. Dr. B.Akkayya(2018)
6. Dr. N.N.V.Sakuntala(2019)
7. Dr. A.Pavana Kumari(2019)

: 2(Working)

(h) Invited talks:

1. Delivered an Invited talk at Second International Conference on Polymer Processing and Characterization held at Kottayam, Kerala from January 15th to 17th 2010.
2. Delivered a talk as one of the Resource persons for “National Seminar on Numerical Analysis & Applications-2010” conducted during October 8th & 9th , Sponsored by APSCHE at Adikavi Nannaya Univesity.
3. Delivered a talk as one of the Resource persons in the “Orientation Program for Junior Lectures” on Numerical Integration conducted from 25th to 30th October,2010 at Eluru, A.P.
4. Delivered Gust Lectures to B.Tech Students at “Rajamahendri Institute of Engineering & Technology” from 14th to 19th May, 2012.
5. Delivered a talk as one of the Resource persons in the “AICTE Sponsored Two Day Work Shop on Recent Trends in Fluid Mechanics & Numerical Techniques” organized by Sri Vasavi Institute of Engineering & Technology, Nandamuru during 19th & 20th January, 2014.
6. Delivered a Gust Lecture on “Fourier Series” at Government College(A), Rajamahendravaram on 6th August, 2014.
7. Delivered a Guest Lecture at SVRK Govt. Degree College, Nidadavole, on 22nd December, 2014.
8. Delivered an Invited talk at SVKP & Dr. KS RAJU ARTS & SCIENCE COLLEGE, Penugonda on 22nd December, 2014.
9. Delivered a talk as one of the Resource persons in the “RUSA Sponsored Seminar on Applications of Mathematics” organized by Dr.S.K.R.Govt.Arts College, Yanam on 18th February, 2016.
10. Delivered a Gust Lecture on “Fourier Series” at PR Government College(A), Kakinada on 22nd December, 2016.
11. Delivered an invited talk on “Homotopy Analysis Method” in 20th International Conference of International Academy of Physical Sciences on Recent Advances in Physical Sciences and Future Challenges held at Osmania University during July 14-16, 2017.
12. Delivered an invited talk in the National Work Shop on “Recent Trends in Pure and Applied Mathematical Sciences” Organized by the Department of Mathematics, Vingnan’s Foundation of Science, Technology & Research, Guntur during 24th-26th August, 2018.

13. Delivered Key Note in International Conference on Applied Physics, Power and Material Science Organized by Swami Vivekananda Institute of Technology, Secunderabad during 5th and 6th December, 2018.
14. Delivered an Invited talk on “Numerical and Analytical Techniques to Problems of Fluid Dynamics” in National Conference on Advances in Computational Fluid Dynamics Organized by Department of Mathematics, Andhra Kesari Tonguturi Prakasam University, Ongole during 12th and 13th April, 2019.

(i) Conferences/Seminars/Work Shops Conducted:

1. Organized a Student seminar On 31st December, 2008 as a **Coordinator**.
2. Conducted “National Seminar on Numerical Analysis & Applications-2010” on October 8th & 9th, **Sponsored by APSCHE** as a **Coordinator**.
3. Conducted National Conference on “Mathematical & Computing Sciences” on 6th & 7th July, 2012, **Sponsored by APSCHE** as a **Convener**.
4. Conducted workshop on “Sci-lab and Open FOAM” as coordinator at Adikavi Nannaya University, Rajamahendravaram on 21st & 23rd December, 2012.
5. Conducted A Popular Mathematics Lecture on “Applications of Differential Equations to Ecology” on 18th March, 2017 as a **Coordinator**.
6. Convener, Programme on Women Entrepreneurship at Adikavi Nannaya University on 11th December, 2017.
7. Organized a National Seminar on “Theoretical and Applications of Mathematical Sciences-2017” on 22nd December, 2017 as a **Convener**.
8. Celebrated National Science Day on 28th February, 2018 at Adikavi Nannaya University.
9. Arranged Guest Lecture of Prof. Y.N.Reddy at Adikavi Nannaya University on 10th August, 2018.
10. Arranged Guest Lecture of Prof.Sugunamma at Adikavi Nannaya University on 14th August, 2018.
11. Convener for Prof.Y.N.Nayudamma endowment lecture conducted in association with AP Akademi of Science at Adikavi Nannaya University on 1st October, 2018.
12. **Organized Personality Development Programme** with Sri.Lenin Babu & Smt.Bala Latha at Adikavi Nannaya University on 26th November, 2018.

VII. Professional recognition, awards, fellowships received:

1. **Editorial Board Member** of the Journal “Journal of Computer Science and Applications”.
2. **Editorial Board Member** of the Journal “Indian Journal of Computational and Applied Mathematics”.
3. **Board Member** of World Congress on Engineering and Computer Science 2015
4. Acting as a **reviewer** for two Journals.
5. **Best Researcher Award-2018**, University College of Science & Technology, Adikavi Nannaya University.
6. **Bharat Jyoti** award for the year-2012 by India International Friendship Society
7. Andhra Pradesh Akademy of Sciences admitted as an **Associate Fellow** for the academic year 2012-13
8. Name selected for **Who's Who in the World 2011** (28th Edition)
9. **CSIR-NET** qualified
10. “**Prof.N.Ch.Pattabhiramacharyulu Endowment award**” for securing **I-Rank** in M.Sc.-1999 (R.E.C.Warangal)
11. “**Shahedh Sama Jagan Prathibha Puraskar**” award for securing **University II Rank** in B.Sc.-1997 (Kakatiya University)
12. Merit Certificate in Mathematical Olympiad Conducted by **APSMT-1991**

VIII. Membership in Societies/Institutions:

1. Life member, Andhra Pradesh Society for Mathematical Sciences
2. Life Member, Indian Society of Technical Education
3. Life Member, The Indian Society of Theoretical and Applied Mechanics
4. Life Member, International Association of Engineers
5. Life Member, International Association of Engineers Society of Computer Science
6. Life Member, Indian Mathematical Society
7. Member, American Mathematical Society

IX. Curriculum Design:

1. **Convener, P. G. Board of Studies in Mathematics & Applied Mathematics**, Department of Mathematics, Adikavi Nannaya University(2016 to Jan, 2019).
2. Attended as **Special Invitee** for the Board of Studies Meeting Mathematics-2013, UG Courses, Adikavi Nannaya University, Rajamahendravaram.
3. **Convener** for the Committee Constituted to study the feasibility of introducing diploma course for Anganwadi workers.
4. **Member, Board of Studies of “Smt.Dokka Sitamma diploma course for Anganwadi workers”** of Adikavi Nannaya University.
5. **University Nominee, Board of Studies**, Department of Mathematics, KGRL Degree College, Bhimavaram(2012 to Till date).
6. **University Nominee, Board of Studies**, Department of Mathematics, St. Theresa Women’s College (Autonomous), Eluru(2012 to Till date).
7. **University Nominee, Board of Studies**, Department of Mathematics, D.N.R. Degree College (Autonomous), Bhimavaram(2012 to Till date).
8. **University Nominee, Board of Studies**, Department of Mathematics, Ideal College (Autonomous), Kakinada(2014-16).
9. **University Nominee, Board of Studies**, Department of Mathematics, Govt.Arts College (Autonomous), Rajamahendravaram(2014-16).
10. **University Nominee, Board of Studies**, Department of Mathematics, P.R.Govt. College (Autonomous), Kakinada(2012 to Till date).
11. **Member of Board of Studies**, Department of Mathematics, GIET, Rajamahendravaram(2013-16).
12. **Member of Board of Studies**, Department of Mathematics, BVC Engineering College, Vodalarevu, Amalapuram(2018 to Till date).
13. **Member of Doctoral Committee**, Department of Mathematics, Adikavi Nannaya University.
14. **Member of Departmental Committee**, Department of Mathematics, Adikavi Nannaya University.

15. **University Representative, Board of Studies**, Mathematics Subject in Maris Stella College(A), Vijayawada.
16. **University Representative, Board of Studies**, Mathematics Subject & Analytical Skills Subject in Nobel College(A), Machilipatnam.
17. **University Representative, Board of Studies**, Mathematics Subject in K.B.N. College(A), Vijayawada.
18. **Member, Board of Studies, JNTUK Engineering College**, Kakinada.

X. Positions Held:

Principal,

University College of Science and Technology,
Adikavi Nannaya University, Rajahmundry.

Head, Department of Mathematics,

Adikavi Nannaya University, Rajahmundry.

Convener, BOS in Applied Mathematics & Mathematics,

Adikavi Nannaya University, Rajahmundry.

Convener, committee of Smt. Dokka sitamma Course for Anganwadi workers.

Course Coordinator, Mathematics & Computing Course,

Adikavi Nannaya University

Asst. Director, Directorate Of Admissions, Adikavi Nannaya University.

Incharge, Computer centre, Confidential section,

Adikavi Nannaya University.

Chief Superintendent of Examinations, UCST, Adikavi Nannaya University.

Asst. Chief Superintendent of Examinations, Adikavi Nannaya University.

Chairman, NSS Unit-I & Unit-II, Adikavi Nannaya University.

Library coordinator, Adikavi Nannaya University.

Treasurer, Women's Cell, Adikavi Nannaya University.

Coordinator, Redressal and Counselling Cell for girl students at Adikavi Nannaya University, Rajamahendravaram.

XI. Other Duties Performed:

1. Worked as **In-charge of Examination Branch** at Mother Teresa Institute of Technology, Sathupally from May 2001 to August 2002.
2. Worked as **In-charge of Girls Hostel** at Mother Teresa Institute of Technology, Sathupally.
3. Worked as **secretary of cultural committee** for the national level cultural program Spark Rill-2004 at S.R.Engineering College, Warangal.
4. Member of **Anti Raging committee** at S.R.Engineering College, Warangal.
5. Member of **Cultural Committee** from 2005 to 2008 at S.R.Engineering College, Warangal.
6. Member of different committees formed for the conduction of **Cultural day and Foundation day celebrations-2009** at Adikavi Nannaya University, Rajamahendravaram.
7. As a Course Coordinator coordinated students of Mathematics & Computing Course in organizing a **student seminar** at Adikavi Nannaya University, Rajamahendravaram.
8. Acted as **Coordinator of Redressal and Counselling** for girl students at Adikavi Nannaya University, Rajamahendravaram.
9. Worked as **Course Coordinator** of M.Sc.Mathematics & Computing course from December 2008 to November 2009 at Adikavi Nannaya University, Rajamahendravaram.
10. Member of **AKNURCET-2009**, Students' Admissions Committee at Adikavi Nannaya University, Rajamahendravaram.
11. **Chaired a session** of "Second International Conference on Polymer Processing and Characterization" held at Kottayam, Kerala from January 15th to 17th 2010.
12. Acting as a **Reviewer** for a few International Journals.
13. Conducted "National Seminar on Numerical Analysis & Applications-2010" on October 8th & 9th, **Sponsored by APSCHE** as a **Coordinator**.

14. Conducted National Conference on “Mathematical & Computing Sciences” on 6th & 7th July, 2012, **Sponsored by APSCHE** as a **Convener**.
15. **Chaired two sessions** of National Conference on “Mathematical & Computing Sciences” Organized by the Department of Mathematics, Adikavi Nannaya University, Rajamahendravaram during July 6th & 7th,2012
16. Worked as **Asst. Chief Superintendent** for conducting semester end examinations (Winter Semester) of the Academic year 2012-13, Adikavi Nannaya University, Rajamahendravaram.
17. Acted as **Incharge of the Computer Center** for quick processing of works related to UG Examination for April 2013 UG Examinations, Adikavi Nannaya University, Rajamahendravaram.
18. Worked as **Asst. Chief Superintendent** for conducting Special Supplementary, August, 2013, Adikavi Nannaya University, Rajamahendravaram.
19. Acted as **Observer** to Conduct **NEET-2013** on 5th May, 2013 at Vijayawada appointed by CBSE.
20. Acted as Observer for APSET-2014.
21. Acted as **Presiding Officer** for Polling Station 184/169 in the Assembly/Parliament Elections conducted on 7th May, 2014.
22. Acted as Observer for ICET-14.
23. Worked as **Asst. Chief Superintendent** for conducting Odd Semester End Examinations, 2014-15, Adikavi Nannaya University, Rajamahendravaram.
24. Worked as **Asst. Chief Superintendent** for conducting Even Semester End Examinations, 2014-15, Adikavi Nannaya University, Rajamahendravaram.
25. Member of Academic Council, S.K.S.D.Mahila Kalasala, Tanuku.
26. Acted as a Coordinator for some of the events conducted in connection with International Women’s Day celebrations.
27. Acted as judge for some of the events conducted in connection with University day celebrations.
28. Acted as Observer for ICET-16

29. Member of Inspection Committee to Eight B.Ed Colleges (Affiliated to Adikavi Nannaya University) for the academic year 2015-16.
30. Member of Certificate verification Committee of M.Ed Candidates admitted for the academic year 2015-16.
31. Worked as **Assistant Director of Admissions**, NANNAYA CET-2016 & NANNAYA CET-2017.
32. Chaired a Session in 20th International Conference of International Academy of Physical Sciences on Recent Advances in Physical Sciences and Future Challenges held at Osmania University during July 14-16, 2017.
33. Chaired a Session in International Conference on Applied Physics, Power and Material Science Organized by Swami Vivekananda Institute of Technology, Secunderabad during 5th and 6th December, 2018.
34. Chaired a Session in National Conference on Advances in Computational Fluid Dynamics Organized by Department of Mathematics, Andhra Kesari Tonguturi Prakasam University, Ongole during 12th and 13th April, 2019.
35. Acted as **Observer** for ICET-17 & ICET-18.
36. Acted as Observer for NEET-18.
37. **Member, NSS advisory committee**, Adikavi Nannaya University.
38. **Member, Admission Committee**, NANNAYACET-18.
39. **Member, Research Advisory Committee**, Adikavi Nannaya University.
40. **Convener, committee to organize programme on Women Entrepreneurship** on 11.12.2017 at Adikavi Nannaya University.
41. **Member, Advisory Committee on affairs of University affiliated colleges**, Adikavi Nannaya University.
42. **University Nominee**, of Academic Council of D.N.R. College, Bimavaram & Ideal College, Kakinada.

43. **University Nominee**, Governing body of D.R.Goenka Women's Degree College, Tadepalligudem.
44. **University Nominee**, Governing body of Sree Konaseema Bhanoji Ramars College, Amalapuram.
45. **University Nominee**, Governing body of KGRL College(A), Bhimavaram.
46. **University Nominee**, Governing body of S.V.V.S.D. Degree College, Annavaram.
47. **University Nominee, Staff Selection Committee-Jan,2017 & July,2017**, Minerva College, Prathipadu.
48. **University Nominee, Staff Selection Committee-Jan,2017**, G.M.R. College, Tadepalligudem.
49. **Accompanied UGC Expert Committee** during the visit for granting 12B Status.
50. Worked as **Asst. Public Information Officer** for the matters related to Admissions of Adikavi Nannaya University.
51. **Member, University Academic Journal Expert Committee**, Adikavi Nannaya University.
52. **Member, Board of Research Studies**, Adikavi Nannaya University.
53. **Member, Certificate verification Committee** for Ad-hoc Teaching positions Advt.No.3/2017 dated 24.06.2017.
54. **Member, Committee for Fee Structure and Fee break up** of PG Courses, Adikavi Nannaya University.

55. **Member, Committee to verify**, assess academic qualifications for recruitment of **Regular Teaching Positions** of Science subjects, Adikavi Nannaya University.
56. **Member, Committee on affairs of University affiliated colleges**, Adikavi Nannaya University.
57. **Member, Committee constituted for preparing Academic Calendar** for AY2018-19, Adikavi Nannaya University.
58. **Member, Scrutiny Committee of Science Subjects** for recruitment of additional Ad-hoc teachers required for Ay2018-19, Adikavi Nannaya University.
59. **Member**, Committee constituted **to study the issues** raised in the representation dated 13.06.2018 of **Ad-hoc teachers**, Adikavi Nannaya University.
60. **Member, Scrutiny Committee** of Chemistry for promotions under Career Advancement Scheme, Adikavi Nanaya University.
61. **Member, Suspected Malpractice Committee** AY 2018-19, Adikavi Nannaya University.
62. **Member, Committee** constituted to study all the issues related to **Admissions-2018**.
63. **Member, Committee** constituted to oversee the work related to **installation of Bharat Ratna Dr.BR.Ambedkar's Statute** in the university campus, Adikavi Nannaya University.
64. **Member, Committee to study requirement** of books to be purchased for **Library** and **allocation of funds to departments**, Adikavi Nannaya University.
65. **Member, selection committee** of SRF in the research project of Dr.K.V.Swamy, Department of Geology, Adikavi Nannaya University.

66. **Member**, Committee constituted to study the **representation of** newly recruited **Ad-hoc teachers** with M.Tech qualification, Adikavi Nannaya University.
67. **Member, Citation committee** of 2nd Convocation, Adikavi Nannaya University.
68. **Subject Expert**, Selection Committee for selection of Guest Faculty at **IIIT, Nuzvid**
Conducted on 23rd January, 2018.
69. **Subject Expert**, Selection Committee for ratification of affiliated colleges of **JNTUK, Kakinada** conducted on 7th June, 2019.
70. **Member**, Inspection committee for some of UG and B.Ed. affiliated colleges of **Krishna University**.
71. **Convener**, Anti-Ragging Committee (AY:2019-20), **KRU Dr.MRAR PG Centre, Nuzvid**.