

# Curriculum Vitae

**Dr. Chakravarthula S K Raju**

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Researcher ID: M-6808-2016.

Scopus Id: 56921813700

Scopus Citations: 1114 h-index: 19

## Career Objectives:

To work in highly competitive, esteemed organization with good scope for self-improvement and to achieve success in career through knowledge, skills, dedication, devotion, and by performing beyond the call of duty for the organization.

## Strengths:

- Positive attitude
- Leadership quality
- Dynamic & Hardworking
- Good in Team Work

## Educational Qualification:

Educational Qualification	Academic year	College/school	Percentage	Percentage (%) in Mathematics
Ph.D.	2014-2017	VIT University, Vellore	A Grade	A Grade
MSc (APP-Maths)	2010-2012	SVU COLLEGE OF SCIENCES, Tirupati	79.8	79.8
B.Sc (M.P.C)	2007-2010	S.B.V.D.SABHA Dr.College, Pullampet	77.77	91.66
Intermediate	2005-2007	S.B.V.D.SABHA.junior College, Pullampet	84.3	90.33
SSC	2004-2005	Z.P. high school, Chitvel	70.22	66

## Research interests or Key words:

Nonlinear dynamics, Mathematical modeling, Multi-Phase flow modeling, Nanofluid, Controllability, Mathematical Biology, Statistical mechanics, Linear and nonlinear stability.

## Academic experience:

1. Presently working as Assistant Professor, Department of Mathematics, GITAM University, Bangalore.
2. I was as Lecturer in SRI VASISTAH Degree College during the years 2012-2014, RLY Kodur, Andhra Pradesh.
3. I have three years research experience in during the years (2014-2017).
4. Working as a MATLAB assistant in LAB during the years (2014-2017).
5. Good knowledge in the study of Applications of MHD Fluids in “Fluid Mechanics”.

## Achievements:

1. I am selected as an **Editorial Board Member** for the Journal of Polymer Science and Engineering.
2. I received the certificate of appreciation for publishing Scopus indexed journals from VIT University, 2015-16.

3. I received the certificate of appreciation for publishing Scopus indexed journals from VIT University, 2016-17.
4. I received **Best Assistant Professor** award from IJRULA Society for contributing the research as well as extra-curricular activities.
5. I have given invited talk Entitled “Mathematical Boundary layer theory and Advancement” at the International Conference on Applications of Fluid Dynamics (**ICAFD-2018**) on Dec 13-15, Vellore Institute of Technology, and Vellore.

#### Courses Taught:

Engineering Mathematics Basic Course, Probability and Statistics, Numerical Methods, Computational Methods in ECE, Computational Methods for Mechanical Engineering, Vector Calculus, Algebra, Differential Calculus, Laplace and Fourier Transforms, Differential and Difference Equations etc.

#### Selected Publications:

1. Heat and mass transfer in MHD non-Newtonian bio-convection flow over a rotating cone/plate with cross diffusion, C. S. K. Raju, N. Sandeep, *Journal of Molecular Liquids*, ISSN: 0167-7322, (2016), 215 115-126, <https://doi.org/10.1016/j.molliq.2015.12.058>. (Impact Factor : 4.513)
2. Unsteady Casson nanofluid flow over a rotating cone in a rotating frame filled with ferrous nanoparticles: A Numerical study, C.S. K. Raju, N. Sandeep, *Journal of Magnetism & Magnetic Materials*, ISSN: 0304-885,(2017),421,216-224,DOI: <http://dx.doi.org/10.1016/j.jmmm.2016.08.013>. (Impact Factor : 3.046)
3. Unsteady magneto-nanofluid flow caused by a rotating cone with temperature dependent viscosity: A surgical implant application, C. S. K. Raju, N. Sandeep, V. Sugunamma, *Journal of Molecular Liquids*, ISSN: 0167-7322, (2016), 222, 1183-1191, doi:10.1016/j.molliq.2016.07.143. (Impact Factor : 4.513)
4. Free convective heat and mass transfer of MHD non-Newtonian nanofluids over a cone in the presence of non-uniform heat source/sink, C.S.K. Raju, N. Sandeep, A. Malvandi, *Journal of Molecular Liquids* ISSN: 0167-7322, (2016),221,108-115, doi:10.1016/j.molliq.2016.05.078. (Impact Factor : 4.513)
5. Falkner Skan flow of a magnetic Carreau fluid past a wedge in the presence of cross diffusion, C.S. K. Raju, N. Sandeep, *European Physical Journal Plus*, ISSN: 2190-5444, (2016), 131, 267, <https://doi.org/10.1140/epjp/i2016-16267-3>. (Impact Factor : 2.240)
6. Natural convective heat transfer analysis of MHD unsteady Carreau nanofluid over a cone packed with alloy nanoparticles, C. S. K. Raju, M. M. Hoque, N. N. Anika, S. U. Mamatha, & P. Sharma, *Powder Technology*, ISSN: 0032-5910, (2017), 317, 408-416, <https://doi.org/10.1016/j.powtec.2017.05.003>. (Impact Factor : 3.230)
7. Radiative flow of Casson fluid over a moving wedge filled with gyrotactic microorganisms, C.S. K. Raju, M.M. Hoque, T. Sivasankar, *Advanced Powder Technology*, ISSN: 0921-8831, (2017), 28, 575-583, <https://doi.org/10.1016/j.appt.2016.10.026>. (Impact Factor : 2.943)
8. A comparative study on heat and mass transfer of Blasius and Falkner-Skan flow of bio-convective Casson fluid past a wedge, C.S. K. Raju, N. Sandeep, *European Physical Journal Plus*, ISSN: 2190-5444, 131(11), 405 (2016), <https://doi.org/10.1140/epjp/i2016-16405-y>. (Impact Factor : 2.240)
9. Bio-convection on nonlinear radiative flow of Carreau fluid over a moving wedge with suction or injection, C.S. K. Raju, S.M. Ibrahim, S. Anuradha, P. Priyadharshini, *European Physical Journal Plus*, ISSN: 2190-5444, (2016) 131(11), 405, <https://doi.org/10.1140/epjp/i2016-16409-7>. (Impact Factor : 2.240)
10. MHD slip flow of a dissipative Casson fluid over a moving geometry with heat source/sink: A numerical study, C.S. K. Raju, N. Sandeep, *Acta Astronautica*, ISSN: 0094-5765, (2017) 133, 436-443. (Impact Factor : 1.5)
11. Free convective heat transfer of MHD cu-kerosene nanofluid over a cone with temperature dependent viscosity, C.S.K. Raju, N. Sandeep, A. Malvandi, *Acta Astronautica*, ISSN: 0094-5765, (2016) 129, 419-428. (Impact Factor : 1.5)
12. Dual solutions of MHD boundary layer flow past an exponentially stretching sheet with non-uniform heat source/sink, C.S.K.Raju, N.Sandeep, C. Sulochana, M.Jayachandra Babu, *Journal of Applied Fluid Mechanics*, ISSN: 1735-3572, (2016) 9(2), 555-563. (Impact Factor : 0.8)
13. Effect of temperature dependent viscosity on MHD radiative nanofluid flow caused by heated/cooled cone, C.S. K. Raju, N Sandeep, ME Ali, *Journal of Computational and Theoretical Nanoscience*, ISSN: 1546-1955, (2017) 14, 821-828. (Impact Factor : 0.9)
14. Influence of chemical reaction and heat source on dissipative MHD mixed convection flow of a Casson nanofluid over a nonlinear permeable stretching sheet. Ibrahim, S. M., G. Lorenzini, P. Vijaya Kumar,

- and C. S. K. Raju, *International Journal of Heat and Mass Transfer*, ISSN: 0017-9310, (2017) 111, 346-355. (Impact Factor : 3.8)
15. The flow of magnetohydrodynamic Maxwell nanofluid over a cylinder with Cattaneo-Christov heat flux model, Raju, C. S. K., P. Sanjeevi, M. C. Raju, S. M. Ibrahim, G. Lorenzini, and E. Lorenzini. *Continuum Mechanics and Thermodynamics*, ISSN: 0935-1175, (2017) 29(6), 1347-1363. (Impact Factor : 2.3)
  16. Transpiration Effects on MHD Flow Over a Stretched Cylinder with Cattaneo-Christov Heat Flux with Suction or Injection, C. S. K. Raju, R. V. M. S. S. Kiran Kumar, S. V. K. Varma, A. G. Madaki, P. Durga Prasad, *Arabian Journal for Science and Engineering*, ISSN: 2191-4281, (2017) 43(5,) 2273-2280. (Impact Factor : 1.09)
  17. Three Dimensional MHD Ferrous Nanofluid Flow Over a Sheet of Variable Thickness in Slip Flow Regime, R Kumar, CSK Raju, KR Sekhar, GV Reddy, *Journal of Mechanics*, ISSN: 1727-7191, (2017) 1-12, doi:10.1017/jmech.2017.95. (Impact Factor : 1.09)
  18. Doubly stratified MHD tangent hyperbolic nanofluid flow due to permeable stretched cylinder, V Nagendramma, A Leelarathnam, CSK Raju, SA Shehzad, T Hussain, *Results in Physics*, ISSN: 2211-3797, 9, 23-32 (2018). <https://doi.org/10.1016/j.rinp.2018.02.019>. (Impact Factor : 2.1)
  19. Heat and mass transport phenomena of radiated slender body of three revolutions with saturated porous: Buongiorno's model, C.S.K. Raju, S.Saleem, S.U. Mamatha, I. Hussain, *International Journal of Thermal Science*, ISSN: 1290-0729, (2018) 132, 309-315. (Impact Factor : 3.36)
  20. Cross diffusion effects on magnetohydrodynamic slip flow of Carreau liquid over a slendering sheet with non-uniform heat source/sink, CSK Raju, M.M Hoque, P Priyadharshini, B Mahanthesh, BJ Gireesha, *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, ISSN: 1678-5878 (2018) 40(4), 222. (Impact Factor : 1.627)
  21. Nonlinear unsteady convection on micro and nanofluids with Cattaneo-Christov heat flux, S Mamatha Upadhy, C.S.K Raju, Mahesha, S Saleem, *Results in Physics*, ISSN: 2211-3797, (2018) 9, 779-786.<https://doi.org/10.1016/j.rinp.2018.03.036>. (Impact Factor : 2.1)
  22. Mixed convection analysis of variable heat source/sink on MHD Maxwell, Jeffrey, and Oldroyd-B nanofluids over a cone with convective conditions using Buongiorno's model, G. Koteswara Reddy, Kiran Yarrakula, C. S. K. Raju, Alireza Rahbari, *Journal of Thermal Analysis and Calorimetry*, ISSN: 1388-6150, (2018) 132(2), 1995-2002. <https://doi.org/10.1007/s10973-018-7115-0>. (Impact Factor : 2.04)
  23. Combined effects of Brownian motion and thermophoresis parameters on three-dimensional (3D) Casson nanofluid flow across the porous layers slendering sheet in a suspension of graphene nanoparticles, P. Durgaprasad, S. V. K. Varma, Mohammad Mainul Hoque, C. S. K. Raju, *Neural Computing and Applications*, ISSN: 0941-0643, (2018). <https://doi.org/10.1007/s00521-018-3451-z>. (Impact Factor : 4.2)
  24. 3D Casson nanofluid flow over slendering surface in a suspension of gyrotactic microorganisms with Cattaneo-Christov heat flux, V. Nagendramma, C. S. K. Raju, B. Mallikarjuna, S.A. Shehzad, & A. Leelarathnam, *Applied Mathematics and Mechanics*, ISSN: 0253-4827, (2018), 39(5), 623-638. <https://doi.org/10.1007/s10483-018-2331-6>. (Impact Factor : 1.2)
  25. Partial slip and dissipation on MHD radiative ferro-fluid over a non-linear permeable convectively heated stretching sheet, N.Sivakumar, P.D. Prasad, C. S. K. Raju, S.V.K. Varma, & S.A. Shehzad, *Results in Physics*, ISSN: 2211-3797, (2017) 7, 1940-1949. (Impact Factor : 2.1)
  26. Comparative study of Eyring and Carreau fluids in a suspension of dust and nickel nanoparticles with variable conductivity, S. Mamatha Upadhy, Mahesha and C.S.K. Raju, *The European Physical Journal Plus*, ISSN: 2190-5444, (2018) 133, 156. (Impact Factor : 2.24)
  27. Unsteady flow of Carreau fluid in a suspension of dust and graphene nanoparticles with Cattaneo-Christov heat flux, S. Mamatha Upadhy, Mahesha and C.S.K. Raju, *ASME Journal of Heat Transfer*, ISSN:0022-1481, (2018) 140(9), 092401, doi:10.1115/1.4039904. (Impact Factor : 1.6)
  28. An optimal analysis of radiated nanomaterial flow with viscous dissipation and heat source, S. Saleem, S. Nadeem, M. M. Rashidi, C. S. K. Raju, *Microsystem Technologies*, ISSN: 0946-7076, (2019) 25(2), 683-689. (Impact Factor : 1.19)
  29. Cross diffusion and multiple slips on MHD Carreau fluid in a suspension of microorganisms over a variable thickness sheet, P.D. Prasad, C.S.K. Raju, S.V.K. Varma, S.A. Shehzad, A.G. Madaki, *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, ISSN: 1678-5878, 40 (2018) 256. (Impact Factor : 1.62)
  30. 3D flow of Carreau polymer fluid over variable thickness sheet in a suspension of microorganisms with Cattaneo-Christov heat flux, P.D. Prasad, S.V.K. Varma, C. S. K. Raju, S.A. Shehzad, & M.A. Meraj, *Revista Mexicana de Física*, ISSN: 0035-001X, (2018) 64(5), 519-529. (Impact Factor : 0.5)

31. Unsteady nonlinear convection on Eyring-Powell radiated flow with suspended graphene and dust particles. C. S. K. Raju, S. Saleem, M. M. Al-Qarni, and S. Mamatha Upadhy. *Microsystem Technologies*, ISSN: 0946-7076, (2019) 1-11. (Impact Factor : 1.1)
32. Multiple slip effects on magnetic-Carreau fluid in a suspension of gyrotactic microorganisms over a slendering sheet, C. S. K. Raju, M.M. Hoque, N.A. Khan, M. Islam, & S. Kumar, *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*, ISSN: 0954-4089, (2018) 0954408918776723. (Impact Factor : 0.547)
33. Thermal convection of MHD Blasius and Sakiadis flow with thermal convective conditions and variable properties, Krishna, Ch Murali, G. ViswanathaReddy, Basma Souayah, C. S. K. Raju, Mohammad Rahimi-Gorji, and S. Suresh Kumar Raju, *Microsystem Technologies*, ISSN: 0946-7076, (2019) 1-12. (Impact Factor : 2.1)
34. Three Dimensional Slip Flow of a Chemically Reacting Casson Fluid Flowing over a Porous Slender Sheet with a Non-Uniform Heat Source or Sink, Prasad, P Durga; Saleem, S; Varma, SVK; Raju, CSK; *Journal of the Korean Physical Society*, 74,9(2019)855-864(Impact Factor : 0.4)
35. Nonlinear radiative magnetohydrodynamic Falkner-Skan flow of Casson fluid over a wedge, C.S.K. Raju, N. Sandeep, *Alexandria Engineering J*, ISSN: 1110-0168, (2016) 55 (3), 2045-2054. (Scopus indexed Journal)-Elsevier.
36. Unsteady three-dimensional flow of Casson-Carreau fluids past a stretching surface, C. S. K. Raju, and N. Sandeep, *Alexandria Engineering Journal*, ISSN: 1110-0168, (2016) 55(2), 1115-1126. (Scopus indexed Journal)-Elsevier.
37. Peripheral layer viscosity on the stenotic blood vessels for Herschel-Bulkley fluid model, G Neeraja, PA Dinesh, K Vidya, C.S.K.Raju, *Informatics in Medicine Unlocked*, ISSN: 2352-9148, (2017) 9, 161-165. (Scopus indexed Journal)-Elsevier.
38. Viscous and Joule's dissipation on Casson fluid over a chemically reacting stretching sheet with inclined magnetic field and multiple slips, D Gopal, N Kishan, C.S.K. Raju, *Informatics in Medicine Unlocked*, ISSN: 2352-9148, (2017) 9, 154-160.(Scopus indexed Journal)-Elsevier.
39. Cattaneo-Christov on heat and mass transfer of unsteady Eyring Powell dusty nanofluid over sheet with heat and mass flux conditions, MS Upadhyay, Mahesha, C.S.K Raju, *Informatics in Medicine Unlocked*, ISSN: 2352-9148, (2017) 9, 76-85. (Scopus indexed Journal)-Elsevier.
40. Cattaneo-Christov Heat Flux on Blasius and Sakiadis Flow in a Suspension of Carbon Nanotubes with Thermal Radiation, N Babu, G Neeraja, C.S.K. Raju, *Journal of Nanofluids*, ISSN: 2169-432X, (2017) 6 (6), 1166-1172. (Scopus indexed Journal)-ASP.
41. Aligned magnetic dipole in nonlinear radiative Falkner-Skan flow of Casson fluid over a wedge containing suspension of nanoparticles and microorganisms, KR Sekhar, GV Reddy, C.S.K Raju, B Pullepu, R. Kumar, SA Shehzad, *International Journal of Nanoparticles*, ISSN: 1753-2507, (2018) 9 (4), 213-233. (Scopus indexed Journal)-Interscience Publisher
42. Cattaneo-Christov heat flux on UCM nanofluid flow across a melting surface with double stratification and exponential space dependent internal heat source, B. Mahanthesh, B. J. Gireesha, and C. S. K. Raju. *Informatics in Medicine Unlocked*, ISSN: 2352-9148, 9 (2017) 26-34. (Scopus Journal)-Elsevier.
43. Heat and mass transfer in magnetohydrodynamic Casson fluid over an exponentially permeable stretching surface, C. S. K. Raju, N. Sandeep, V. Sugunamma, M. Jayachandra Babu, and JV Ramana Reddy, *Engineering Science and Technology, an International Journal*, ISSN: 2215-0986, (2016) 19(1) 45-52. (Scopus indexed Journal)-Elsevier.
44. Effects of induced magnetic field and homogeneous-heterogeneous reactions on stagnation flow of a Casson fluid, C. S. K. Raju, N. Sandeep, and S. Saleem, *Engineering Science and Technology, an International Journal*, ISSN: 2215-0986, (2016) 19(2), 875-887. (Scopus indexed Journal)-Elsevier.
45. MHD Casson fluid in a suspension of convective conditions and cross diffusion across a surface of paraboloid of revolution, Raju CS, Neeraja G, Dinesh PA, Vidya K, Kumar BR. *Alexandria Engineering Journal*. (Elsevier, SCOPUS indexed) 2018 Nov 17, <https://doi.org/10.1016/j.aej.2017.11.022>.
46. Thermal and Diffusion Slips on Natural Convection of MHD Blasius and Sakiadis Flows with Variable Properties and Non-Uniform Heat Source or Sink, Krishna C, Reddy GV, Raju CS. *Journal of Nanofluids* (SCOPUS indexed). 2019 Apr 1;8(4):683-93.
47. Radiated Two-Phase (Blasius and Sakiadis) Flow in a Suspension of Graphene Nanoparticles with Heat Source or Sink, N Babu, G Neeraja, CSK Raju, *Journal of Nanofluids*, 6 (6), (2017) 1046-1053.
48. Cattaneo-Christov Heat Flux on Blasius and Sakiadis Flow in a Suspension of Carbon Nanotubes with Thermal Radiation, N Babu, G Neeraja, CSK Raju, *Journal of Nanofluids*, 6 (6), (2017) 1166-1172.
49. Convective conditions and dissipation on Tangent Hyperbolic fluid over a chemically heating exponentially porous sheet. Mamata Patil, Mahesha and C.S.K. Raju, *Nonlinear Engineering* (SCOPUS indexed), DOI: <https://doi.org/10.1515/nleng-2018-0003>



50. Unsteady Carreau-Casson fluids over a radiated shrinking sheet in a suspension of dust and graphene nanoparticles with non-Fourier heat flux, H.B. Santhosh, Mahesha and C.S.K Raju, *Nonlinear Engineering (SCOPUS indexed)*, DOI: <https://doi.org/10.1515/nleng-2017-0158>.
51. Santhosh H.B., Mahesha, Raju C.S.K., Partial slip flow of radiated carreau dusty nanofluid over exponentially stretching sheet with non-uniform heat source or sink 2018 *Journal of Nanofluids*, 7 (SCOPUS indexed) 1.
52. Nonlinear Thermal Buoyancy Forces on Carreau Magnetic Fluid Over Unsteady Surface with Soaking Graphene and Dust Particles. Upadhyaya, S. Mamatha; Mahesha; Raju, C. S. K., *Journal of Nanofluids*. 2019 Feb 1;8(2):308-16. DOI: <https://doi.org/10.1166/jon.2019.1586>
53. Multiple Slips on Magnetohydrodynamic Carreau Dustynano Fluid Over a Stretched Surface with Cattaneo-Christov Heat Flux, SM Upadhyaya, Mahesha CSK Raju, *Journal of Nanofluids* 6 (6), (2017) 1074-1081.
54. Heat and Mass Transfer in MHD Tangent Hyperbolic Fluid Over Chemically Reacting Exponentially Stretching Surface with Porous Medium. Patil, M. & Raju, C. S. K. *Journal of Nanofluids* 7, 1-9 (2018).
55. Non-Uniform Heat Source/Sink and Multiple Slips on 3D Magnetic-Casson Fluid in a Suspension of Copper Nanoparticles Over a Porous Slendering Sheet, KR Sekhar, GV Reddy, CSK Raju, SA Shehzad, *Journal of Nanofluids* 7 (3), (2017) 469-477
56. Effects of nonlinear thermal radiation on 3D Jeffrey fluid flow in the presence of homogeneous-heterogeneous reactions, CSK Raju, N Sandeep, M Gnaneswara Reddy, *International Journal of Engineering Research in Africa*, 21 (2015) 52-68.
57. Heat and mass transfer in 3D non-Newtonian nano and ferro fluids over a bidirectional stretching surface, Chakravarthula SK Raju, Naramgari Sandeep, *International Journal of Engineering Research in Africa*, 21 (2015) 33-51.
58. Dual solutions for unsteady heat and mass transfer in Bio-convection flow towards a rotating cone/plate in rotating fluid, Chakravarthula SK Raju, Naramgari Sandeep, *International Journal of Engineering Research in Africa*, 20 (2015) 161-176.
59. Radiation and MHD effects on the motion of aerosol particles over inclined plates with heat source/sink, CSK Raju, N Sandeep, V Sugunamma, M Jayachandra Babu, *Advanced Science, Engineering and Medicine*, 7(9) (2015) 746-752.
60. Effects of Cattaneo-Christov Heat Flux on Casson Nanofluid Flow Past a Stretching Cylinder, OD Makinde, V Nagendramma, CSK Raju, A Leelarathnam, *Defect and Diffusion Forum* 378, (2017) 28-38.
61. Effect of Convective Boundary Condition on MHD Carreau Dusty Fluid over a Stretching Sheet with Heat Source, SU Mamatha, CSK Raju, OD Makinde, *Defect and Diffusion Forum* 377, (2017) 233-241.

#### Book publications:

1. C.S.K.Raju, "A case study on Casson Ferrofluid flow", **Lambert Publications, Germany** ISBN (978-3-330-04369-5).
2. P. Durga Prasad, S.V.K. Varma and Chakravarthula S K Raju, A Case Studies on Unsteady Newtonian Fluid over a Porous plate, **LAP LAMBERT Academic Publishing**, OmniScriptum GmbH & Co.KG, Germany, ISBN: 978-3-330-06267-2, Pages: 120, 2017.
3. K. R. Sekhar, G.V. Reddy, C.S.K. Raju, I am co-author of book entitled "FREE CONVECTIVE HEAT AND MASS TRANSFER ANALYSIS OVER A VERTICAL SURFACE" **LAMBART Publishing Group**, Germany, ISBN (978-3-330-06675-5).

#### Google scholar:

Name: Siva Raju, Citations: **1500** h-index: **21** i10-index: **36**

[https://scholar.google.co.in/citations?hl=en&user=4WURx9UAAAAJ&view\\_op=list\\_works](https://scholar.google.co.in/citations?hl=en&user=4WURx9UAAAAJ&view_op=list_works)

Research Gate Score: RG Score: 31.01

[https://www.researchgate.net/profile/Chakravarthula\\_Raju](https://www.researchgate.net/profile/Chakravarthula_Raju)

#### Conferences & workshops:

1. Attended a 20 day's workshop on "Advanced Summer School on Hyperbolic Conservation Laws" organized by TIFR CAM, Bangalore, May-Jun, 2016.
2. Presented a paper in Indian Society of Theoretical and Applied Mathematics, organized by VIT University, Vellore, during the dates 11-15<sup>th</sup> Dec, 2016.
3. Attended a five days conference on India Science Congress, organized by S. V University, Tirupathi, 3-7<sup>th</sup> Jan, 2017.
4. Presented a paper in International conference on computational, Mathematical and Biological modeling, during the dates March, 25-26<sup>th</sup>, 2016
5. Presented a paper in International conference on Mathematical Models, organized by PSG College of Technology, Coimbatore during the dates 5-8<sup>th</sup>, Jan, 2016.

6. Presented a paper in National conference on Pure and Applied Mathematics, organized by VIT University, Vellore, March 12<sup>th</sup>, 2016.
7. Presented a paper in National conference on Mathematical Techniques and its applications, organized by SRM University, Chennai, during the dates 4-5<sup>th</sup>, Jan, 2016.
8. Presented a paper in International Conference on Mathematical Computer Engineering, organized by VIT University, Chennai, Dec, 2015.
9. Attended a one week workshop on Mathematical Modeling & Computational Techniques, organized by National Institute of Technology Warangal, Telangana, India.
10. Presented a paper in 10<sup>th</sup> International Conference on Science, Engineering and Technology-2015, organized by VIT University, Vellore.
11. National workshop on Bhaskaryacharya: Life and work, organized by Rastriya Sanskrit Vidyapeetha, Tirupathi, during the dates Dec 8-12, 2014.
12. Presented a paper in XXIII Congress of APSMS and National conference on Mathematics, held at Vignan's Foundation for Science, Technology & Research University, Guntur, during the Dec 12-14.
13. Presented a paper in the National conference on Recent developments in Applications of Mathematics in Science & Engineering, held at AITS (Autonomous), YSR Dt. During the dates Jan 10-11.
14. Presented a paper in National conference on Recent trends and advances in Mathematics and its applications, organized by Sri Padmavathi Mahila Visvavidyalayam, Tirupati.
15. Presented a paper in National seminar on Frontiers in Mathematics, organized by Yogi Vemana University, YSR Dt, during the dates March 18-19, 2015.
16. National level Symposium on Ramanujan, organized by AITS, Tirupati.
17. Science Academic Lecture workshop on Mathematical Modeling in Science and Engineering, organized by Department of Mathematics, S.V. University, Tirupathi, during the dates Jan 24-25, 2012.
18. National seminar on Vedic science in relevance to modern science, organized by S.V. University, Tirupathi.
19. Attended workshop on MATLAB in Engineering Education, organized by VIT University, Vellore, during Jun 22-26, 2015.
20. Attended one day workshop on Publishing Quality Research Papers, organized by VIT University, Vellore, 07<sup>th</sup> May 2016.
21. Attended two day workshop on Fluid Mechanics, organized by VIT University, Vellore, 29-30<sup>th</sup> June 2015.
22. Attended one day workshop on Difference and Differential equations, organized by VIT University, Vellore, 09<sup>th</sup> Oct 2015.
23. Attended one day workshop on Solving Challenging Experiments in statistics for engineers using R-software, organized by VIT University, Vellore, 30<sup>th</sup> Dec 2015.
24. Attended workshop on Computational fluid dynamics, organized by VIT University, Vellore, 08-10<sup>th</sup> Apr 2015.
25. Attended workshop on Computational fluid dynamics, organized by VIT University, Vellore, 24-26<sup>th</sup> Jan 2016.
26. Attended workshop on Recent trends in technology for teaching and research, organized by VIT University, Vellore, 16-17<sup>th</sup> Dec 2014.
27. Attended workshop on introductory statistics by using R, organized by VIT University, Vellore, 08-09<sup>th</sup> Jan 2016.
28. Attended workshop on Basics of Ubuntu, organized by VIT University, Vellore, 02-05<sup>th</sup> Mar 2015.
29. Attended workshop on Statistics and its applications using SPSS Software, organized by VIT University, Vellore, 01-02<sup>th</sup> July 2015.

#### Extra curriculum activities:

1. I worked as reviewer in Plos One, Journal of Molecular Liquids, Applied Mathematics and Computation, Advanced Powder Technology, Alexandria Engineering Journal, Engineering Science and Technology an international Journal, Ain Shams Engineering Journal, Journal of nanofluids, Journal of Integrative Neuroscience, Results in Physics, Informatics Medicine: Unlocked, Periodica Polytechnica Mechanical Engineering Journal and Computer Methods and Programs in Biomedicine.
2. Life membership in Indian Science Congress.
3. Life Membership in IJRULA association.

#### Technical Skills:

- MS-Office, C-Language
- HTML, C++, MATLAB, R, Python (On going), Mathematica and Latex.

#### Personal Profile:

Name : CHAKRAVARTHULA S K RAJU  
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**Declaration:**

I am here by affirming that the information given above is true to the best of my knowledge & belief.

Place: Bangalore

Date: 27-06-2019.

(Dr Chakravarthula S K Raju)

**References:**

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