

# Curriculum Vitae

## Dr.B.Prabhakar, M.Sc., NET., Ph.D

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## Academic Profile

### CSIR-National Eligibility Test (2010)

June 2009 📌 Qualified CSIR-National Eligibility Test (2009).

### Post Graduation

- 2004-2006 📌 **M.Sc ( Applied mathematics)** ; Second Division, University of Hyderabad, Hyderabad.
- 2001-2004 📌 **B.Sc. (Mathematics, Statistics, Computer Science)]**, Kakatiya University, India.

## Teaching Experience

- 04-07-2017 -till date 📌 **Department of Mathematics**, Kakatiya Government College, Hanumakonda, India.
- 24-12-2011 📌 **Degree Lecturer, Department of Mathematics**, Government Degree College, Peddapalli, Karimnagar., India.

## RC/OC/FIP Programmes

- 1 Online Two Week Refresher Course In Mathematical Sciences from 26 september to 10 th october 2022 obtained Grade A, sponsored by HRDC Pandit Madhan Mohan Malaviya, National Mission on teachers and teaching, UGC HRDC, University of Delhi..
- 2 Attended Online Refresher course in Mathematics from 16-03-2021 to 30-03-2021, Teaching Learning centre, Ramanujan College, University of Delhi..

- 3 Attended UGC-HRDC-RUSA sponsored Faculty Improvement Programme “Online Short term course on Research process and Research design in Sciences” from 07-09-2020 to 12-09-2020 at UGC-Human Resource Development Centre, Osmania University, Hyderabad.
- 4 Attended One week online Faculty Improvement Programme Short term course on ICT Tools in Higher Education from 27-08-2020 to 02-09-2020 at UGC-Human Resource Development Centre, Osmania University, Hyderabad.
- 5 Attended Orientation Programme, from 18-07-2017 to 14-08-2017 at UGC-Human Resource Development Centre, Maulana Azad National Urdu University, Hyderabad.
- 6 Attended Refresher Course “Mathematical Modeling and Simulation for Scientists and Engineers” from 02-12-2013 to 21-12-2013 at UGC-Academic Staff College, Jawaharlal Nehru Technological University, Hyderabad.
- 7 Attended Refresher Course in Mathematics from 13-09-2012 to 03-10-2012 at UGC-Academic Staff College, University of Hyderabad, Hyderabad..

## **Membership of Professional bodies, Societies**

- 1 Lifetime member of Andhra Pradesh and Telangana Society for Mathematical Sciences (APTSMS).

## **Research Grants**

- 1 Study of different thermo-physical effects on Prandtl-Eyring Nanofluid flow and heat transfer due to rotating disk sponsored by SERB

## **Seminars/Conferences/Work Shops/Webinars attended**

- 1 Attended a five day national webinar on “Fluid Dynamics from Mathematicians Viewpoint” organized by Department of Mathematics, School of Science, GITAM (Deemed to be University), Hyderabad during 9 -13 August, 2020.
- 2 Attended Two day National workshop on “Linear Algebra, Real Analysis and Algebra” conducted by Department of Mathematics, Kakatiya University, Warangal during 28-29 September 2018.
- 3 Attended Two day National Seminar on “Institutional Quality Improvement Role of Governance, Leadership and Management” at S.R.R Govt. Arts & Science College, Karimnagar, from 1-2nd August 2014.
- 4 Attended “Short Term Training Programme on Advanced Computational Mechanics” (STTP on ACM) during 14th -18th July 2014 organized by Department of Applied Mathematics, Defence Institute of Advanced Technology, Pune.
- 5 Attended 3-day District level training programme on “A foundation course in Human values and Professional Ethics”, at S.R.R Govt. Degree & P.G College, Karimnagar, from 15-07-2013 to 17-07-2013.
- 6 Attended “National Conference on Applications of Mathematics in Engineering and Industry (NCAMEI-2013)” organized by Department of Mathematics, Kakatiya University, Warangal during March 26-28, 2013.




- 7 Attended State Level Workshop for The Mathematics Lecturers, Organised by Andhra Pradesh State Council of Science and Technology during 22-23 February 2013 at Hyderabad.
- 8 Attended 6-day residential Induction training Programme conducted for newly recruited lecturers at District resource centre, Kakatiya Government college, Hanamkonda, Warangal from 26-12-2011 to 31-12-2011.
- 9 Attended International Workshop on “Advances in Computational Partial Differential Equations” (ACPDE-2011) from 7-02-2011 to 05-03-2011 at BITS-Goa.
- 10 Attended “Short Term Training Programme on Mathematical Modeling and Numerical Techniques (STTP on MMNT)”, NIT Warangal, Telangana.

## Publications

- 1 Impact of Activation Energy in Darcy-Forchheimer Flow of Cross Nanofluid over a Radial Stretching Surface with Viscous Dissipation and Joule Heating, International Journal of Heat and Technology, Vol. 39, No. 5, October, 2021, pp. 1557-1566.
- 2 Darcy-Forchheimer Flow of MHD Powell-Eyring Nanoliquid over a Nonlinear Radially Stretching Disk with the Impact of Activation Energy, Discontinuity, Nonlinearity and Complexity, 10(4) (2021) 743-753.
- 3 Heat transfer analysis of inclined magnetic field and activation energy in Maxwell nanofluid with thermophoresis effects, Heat Transfer, <https://doi.org/10.1002/htj.21958>. 50(2) : 1836-1852(2021).
- 4 A revised model to analyze MHD flow of Maxwell nanofluid past a stretching sheet with nonlinear thermal radiation effect, International Journal of Fluid Mechanic Research, 46(2):151-165 (2019). ISSN: Print: 2152-5102, Online: 2152-5110.
- 5 Thermal radiation and slip effects on stagnation point flow of MHD non-Newtonian nanofluid over a convective stretching surface. Neural Computing and Applications, Springer. DOI 10.1007/s00521-017-2992-x, vol 31(1), pp 207-21(2019).
- 6 Impact of inclined Lorentz forces on tangent hyperbolic nanofluid flow with zero normal flux of nanoparticles at the stretching sheet, Neural Computing and Applications, DOI 10.1007/s00521016-2601-4, Vol. 29(10), pp 805-814(2018).
- 7 Effects of inclined magnetic field and chemical reaction on flow of a Casson nanofluid with second order velocity slip and thermal slip over an exponentially stretching sheet, International Journal of Applied and Computational Mathematics (Springer), 3(4), 2967-2985(2017).
- 8 Mixed Convection Flow of Thermally Stratified MHD Nanofluid over an Exponentially Stretching Surface with Viscous Dissipation Effect, Journal of Taiwan Institute of Chemical Engineers, Elsevier. Volume 71, February 2017, Pages 307-314.
- 9 MHD Stagnation Point Flow of a Casson Nanofluid towards a Radially Stretching Disk with Convective Boundary Condition in the Presence of Heat Source/Sink, Journal of Nanofluids, 679-686 (2016).
- 10 Mixed Convection MHD Flow of a Casson Nanofluid over a Nonlinear Permeable Stretching Sheet with Viscous Dissipation, Journal of Applied Mathematics and Physics, 2015, 3, 1580-1593.

## Skills

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- Languages  Telugu, English.
- Coding  MATLAB,  $\text{\LaTeX}$ .
- Misc.  Academic research, teaching.

## Personal Details

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-  **Date of Birth:** 12-06-1984.
-  **Marital Status:** Married.