CURRICULUM VITAE
Dr. K. Vinayaka Prasad

Official Address:

Professor, Department of Mathematics, Vijayanagara Sri Krishnadevaraya University, Vinayaka Nagar, Bellary- 583 104, Karnataka, India, Mobile No: +91-9448687862, Office Number-08392-242507.

Permanent Address:

Dr. K. V. Prasad s/o, K.Eswarappa, H.No.25/A, Sri Hari Sadana, II cross, Contonment Road, Jayanagar, Bellary- 583 104, Karnataka,India.

Personal: * Indian Citizen.

* Married to Surekha

Adhar Card number:**721182127097**

Date of Birth: 30-05-1974

Place of Birth: Kamalapura, Hospet (Tq), Ballari (Dis), Karnataka (State)

Father's Name: K.Eswarappa

Employment:

- 10/2012- to till date, working as a Professor, Department of Mathematics, Vijayanagara Sri Krishnadevaraya University, Vinayaka Nagar, Bellary- 583 104, Karnataka, India.
- 10/2012- 10/2014, worked as a Professor and Chairman, Department of Mathematics, Vijayanagara Sri Krishnadevaraya University, Vinayaka Nagar, Bellary- 583 104, Karnataka, India.
- 03/2007- 10/2012, Asst. Professor, Department of Mathematics, Central College Campus , Bangalore University, Bangalore- 560 001.

- 08/2005- 03/2007, Assistant Professor, Department of Mathematics, PES School of Engineering, Bangalore-100. (1 Year 7 months) Subjects Taught: Engineering Mathematics-I-IV and M.C.A., and M.B.A.

- 08/2003-08/2005 Lecturer, Department of Mathematics, RNS Institute of Technology, Bangalore-61. (2 years): Subjects Taught: Engineering Mathematics-I-IV and M.C.A., and M.B.A.

- 08/2001-07/2003 Lecturer, Department of Mathematics, New Horizon College of Engineering, Bangalore. (2 years) : Subjects Taught: Engineering Mathematics-I-IV and M.C.A., and M.B.A

- 09/1999-12/2000 Lecturer, Department of MACS, KREC Suratkal, Mangalore, KARNATAKA, INDIA. (4 months).

Education:

- 1997-2000, Ph.D., Gulbarga University, Gulbarga, Karnataka, India, , thesis `` Boundary Layer Visco-Elastic fluid flow over moving surfaces in porous media advisor Prof. M. Subhas Abel.

- 1996-1997, M.Phil, Gulbarga University, Gulbarga, Karnataka, India, thesis " Oscillatory motion of a visco-elastic fluid over a continuous moving surfaces" advisor Prof. M. Subhas Abel.

- 1994-1996, M.Sc., Gulbarga University, Gulbarga, First class with Distinction (79.6%).

- 1991-1994, B.Sc, Vijayanagara College Hospet, Gulbarga University Gulbarga, First Class, 63.33%

Mathematical Interests:

* Ordinary/Partial Differential Equations, Continuous Moving surfaces, Newtonian/non-Newtonian fluids, Convective heat and mass transfer , porous media, MHD fluid flows

Awards and Fellowships:

- 1997-2000 University, Fellowship for perusing Research for Doctoral Degree course.

- 1996 **SMIORE GOLD MEDAL** for securing highest Marks in post graduate course (M.Sc.).

- 1996 IV Rank for securing highest marks in Gulbarga University, Gulbarga.

- The Department of Science and Technology has awarded one of the prestigious **fellowship namely, BOYSCAST** (Better Opportunities for Young Scientists in the Chosen Areas of Science and Technology) for the academic year 2009-2010.

- Travel grant is funded for **NANUM 2014 by KIAS** for presenting research article in ICM 2014 to SEOUL South Korea (I am the one selected among 1000 mathematicians around the world).

About the BOYSCAST Fellowship: The Age limit for the fellowship is 35 years for GM students. As a part of this fellowship program, I have to carry out my advanced research work in the area of "Analytical/ Numerical solution of non-linear equations like the inhomogeneous Falkner-Skan equation arising in stretching sheet problems "for a duration of 12 months at the University of Central Florida, Orlando, USA with Dr. K.Vajravelu, Professor, Department of Mathematics Orlando, USA.

- **VGST- Award of best scientific research publication for the year 2013-14 and a citation, sponsored by Govt. of Karnataka, India (No.VGST-p- 8/ARP/2013-14, dated 31-01 2013)**. The VGST sub-committee has selected one of my research paper has the best research publications for the award under the scheme VGST-AWARD of best research publications for the year 2013-14.
- **CV Raman Young Scientist state award for the year 2014 instituted by Govt. of karnataka. This award is in recognition of outstanding contribution in the field of physical sciences.**
- VGST- Award of Research Fund for Talented Teachers for the year 2015-16 and a citation, sponsored by Govt. of Karnataka, India.
- Visited University of HONG KONG to do collaborative research work with Prof.C.O.Ng, department of Mechanical Engineering, University of HONG KONG from 9th May 2016 to 18th May 2016.
- The editors of *Journal of Hydrodynamics, Ser.B* are delighted to inform you that your paper, The effect of variable viscosity on the flow and heat transfer of a viscous Agwater and Cuwater nanofluids, published in 2013 is one of the most highly cited papers during 2014, 2015 and up until June 2016. The authorities would like to take this opportunity to thank you for publishing with us and to congratulate you. We have designed a certificate that acknowledges your achievement. <View your certificate here>. Wherever relevant, we will promote your achievement on our social media pages.

Memberships:

Life Membership of INDIAN SOCIETY OF MATHEMATICS AND MATHEMATICAL SCIENCES (ISMAMS)

Life member ship of Indian Mathematical Society with the receipt number:2328 dated on 01/02/2016.

ORIENTATION PROGRAMME: Attended a UGC sponsored Orientation Programme from 21st Jan 2008 to 18th Feb. 2008 Held at Academic Staff College , Bangalore University, Bangalore.

Refresher Course: Attended series of lectures in the seminar entitled" Approximation theory and Applications" from Jan 11th 2011 to 1st March 2011 held at Department of Mathematics, University of Central Florida, USA .

Text Books:

1. **K.Vajravelu and K.V.Prasad**, Keller-Box method and its applications, De-GRUYTER publishers, Higher Education Press, , Boston, Printed in Germany, 2014.
2. **K.V.Prasad**, Course material to Karnataka State Open university, Mysore, namely, to the P.G. students Fluid Mechanics, 2014.

Visiting Programme (since 1997):

* Visited I I Sc- TIFR Short term visitors program from 11-02-1999 to 04-03-1999 under the guidance of Prof.P S Datti.

* Visited I I Sc- TIFR Short term visitors program from 04-06-2001 to 30-06-2001 under the guidance of Prof.P S Datti.

Academic /Administrative activities

- **Working as a Professor and Chairman , Department of Mathematics, VSK University, Bellary from Nov. 2016.**
- **Working as a Professor and Dean, Faculty of Pure science, VSK University, Bellary from Nov.2016.**
- **Working as a special officer , VC section VSKU Bellary from July 2017 onwards.**
- **Working as a syndicate member VSK University since from Nov.2017**
- Worked as a Professor and Chairman , Department of Mathematics, VSK University, Bellary from Oct. 2012 to . Nov.2014.
- Worked as Co-ordinator , Department of Computer Science, VSK University, Bellary from Oct. 2012 to Nov. 2014.
- Worked as an Academic Council Member, VSK university, Bellary for a period of two years from J an 2013 to Jan 2015.
- Worked as a Finance Committee Member , VSK university, Bellary for a period of two years from Jan 2013 to Jan 2015.
- Worked as a BOS Chairman (UG and PG), Department of Mathematics and Computer Science, VSK university, Bellary since from Oct. 2012 to April 2016.
- Worked as a Nodal officer, VSK University for conducting K-SLET examination consecutively for three terms(FY:- 2013, 2014 and 2015).
- **Appointed as ICT co-ordinator, VSK university, Bellary for implementing ICT initiatives as when instructed by the KSHEC, Bangalore from March 2015.**
- **Deputed as a special officer for recruitment section for VSK university Bellary from June 2016 to June 2017.**

- **Appointed as a member in Text book review committee by the Govt. of Karnataka, under the leadership of Prof. B.Ramachandrappa.**
- Worked as a **convener in organizing** a Int. conference on Emerging trends in Mathematical Sciences from 25th July 2014 to 26th July 2014, held at VSK university, Bellary.
- **Working as an Academic Council Member, VSK university, Bellary for a period of two years from May 2016.**
- Worked **as a convener in organizing a** Post Graduate Mathematical Science Special Lecture series programme on 16and 17th Oct. 2014, held at VSK university, Bellary.
- Appointed and acted as resource person in examining evaluation of several thesis of different universities, namely, Gulbarga university, Gulbarga, Shimoga University, Shimoga, Karnataka university, Dharwad, Vellur institute of Technology, Vellur, Tamil nadu, MGR University, Chennai and etc.
- Appointed and selected as a resource person in the refresher course programme held at Academic staff college Bangalore for two consecutive terms.
- Appointed and acted as a BOE member for Department of Mathematics, Central College campus, Bangalore University, Bangalore, Department of mathematics, Karnataka University, Dharwad, Department of Mathematics, Kuvempu University, Shimoga, Department of Mathematics, KSOU, Mysore, Department of mathematics, Davanege University, Davanegere, Department of Mathematics, Tumkur university, Tumkur, Department of Mathematics, SV University, Tirupathi.

Papers reviewed for Journals:

Heat Mass Transfer, Chemical Engineering Communications, International journal of Thermophysics, Journal of Porous Media Communications in non-Linear science and Numerical simulations, Applied Mathematics in Engineering, Applied Mathematics, Journal of porous media.

Details of the thesis evaluated (Ph.D.)

S.No	Name of the Student	Name of the University	Title of the Thesis
01	Mr. K.S.Onkarappa	Kuvempu University	Analytical solutions to quantity the physiological parameters of the some problems in reference to the health Hazards
02	Ms. Sapna	Gulbarga University, Gulbarga	Combined free and forced convection of a two fluid flow in vertical wavy channel
03	Mr. Shivakumar Madhava Rao	Gulbarga University, Gulbarga	Effect of heterogeneous reactions on the dispersion of a solute with and without chemical reactions
04	Ms.G.K.Savitra mma	Gulbarga University, Gulbarga	Theoretical analysis of porous and poro–elastic bearings lubricated with non-Newtonian fluids.

05	Sri Monayya Mareppa	Gulbarga University, Gulbarga	Flow Heat and Mass Transfer characteristics in a boundary layer nanofluid over a stretching sheet
06	Sri. N.G. RudraSwamy	Kuvempu University Shimoga	A study on Flow and Heat transfer of a nanofluid
07	Veena M Basavana Gouda	Gulbarga University Gulbarga	Computational analysis of MHD flow , heat and mass transfer in the boundary layer over an exponentially permeable/ impermeable stretching surface
08	Sri. N.G.Sridhar	Gulbarga university Gulbarga	Study of peristaltic transport/ flow with couple stress fluid.
09	Sri.M.Karuna Prasad	Gulbaraga University Gulbarga	Effect of Baffelts to control flow and heat transfer in cavities

Details of the Ph.D. Students (awarded)

S.No	Name of the Student	Name of the University	Title of the Thesis
01	Mr. N.S.Prasanna Rao	MGR University Chennai 2012	Theoretical study of boundary layer flow problems in Newtonian and non-Newtonian fluids
02	Ms. S.R.Santhi	Bangalore University, Bangalore- 2014	Numerical/Analytical solutions of stretching sheet problems with super linear stretching in Newtonian and non-Newtonian liquids
03	Mr. Raju B.T.,	Bangalore University, Bangalore-2014	Numerical/Analytical solutions of governing generalized Cranes problems involving continuous moving surface

Details of the Ph.D. Students (perusing)

S.No	Name of the Student	Name of the University	Title of the Thesis
01	Mrs. Neelofer	VSK University, Bellary	Joined in April 2014
02	Mr. Prasad M.,	VSK University, Bellary	Joined in April 2014
03	Mr. Hanumesh Vaidya	VSK University, Bellary	Joined in April 2014
04	Mr.Hussain Basha	VSK University, Bellary	Joined in April 2016
05	Mr.Srikanth Shetty	VSK University, Bellary	Joined in April 2016
06	Mr.Ramanjini	VSK University, Bellary	Joined in April 2016
07	Mr.Vishwanath	VSK University, Bellary	Joined in April 2016

International/National Conferences Attended /Participated/paper presented (Since 1996)

Organized an International conference on Emerging Trends in Mathematical Sciences in Department of Mathematics, VSK University Bellary from 25-26th July 2014.

Organized a Two days Special Lecture Series Porgramme in Department of Mathematics, VSK University, Bellary on 16 and 17th Oct. 2014 to the Post graduate students, Jointly organized by the KSTA, Bangalore and VSK University Bellary, Karnataka, India.

National /International Conference/workshop attended

1. Attended a symposium on Applied Mathematics in Engineering Technologies at BNM Institute of Technology, Bangalore on 16th Dec.2006.
2. Attended a International Symposium on Cognition and Recognition Technologies held on Dec.29-30, 2006 at PES School of Engineering , Bangalore.
3. Attended two day National seminar on Discrete structures and computer applications at PES Institute of Technology, Bangalore from Jan 18-19, 2007.
4. Attended a UGC Sponsored work shop on Recent Developments in Mathematics, Department of Mathematics, Govt. Science College, Nrupathunga Road, Bangalore, held on March 30th 2007.
5. Attended one day state level seminar on Excitement in Mathematics at P.E.S.College of Science. Arts and Commerce, Mandya, on 11th April 2009.
6. Participated in the symposium on Mathematics, organized by Central College Mathematical Society , Department of Mathematics, Bangalore University, Bangalore on May 18th 2009.
7. Participated in the workshop on Transformation theory of ordinary and basic hypergeometric function at Gorakhpur from 14-19th Feb.2009.

Paper presentation/ Invited Talk in National Conference

1. Presented a research article" Heat Transfer with variable thermal conductivity in MHD visco-elastic fluid flow over a stretching surface" in National Seminar on " Recent Advances in Fluid Mechanics, held during Sept 11 &12 , 2002, at Gulbarga University, Gulbarga.
2. Presented a research article" Convective Heat transfer in the flow of visco-elastic fluid in a porous medium past a stretching sheet " in National Conference on Applied Mathematics held during Feb.7th –8th 2006, In the Department of Mathematics, Gulbarga University, Gulbarga.
3. Presented a research paper in National Conference on Mathematical Method and Applications "Convective heat and mass Transfer in a visco-elastic fluid flow through a porous medium over a stretching sheet, held at Basaveshwara Engineering College, Bagalkot, 17 and 18th March, 2007.
4. **Presented an invited talk** on "Convection flow and heat transfer of a Maxwell fluid over a non-isothermal surface" at 6th National Conference organized by ISMAMS on Mathematical Sciences : A Foundation of Science and Technology at Gorakhpur, India from Feb.20-21 , 2009.
5. **Presented an invited talk** on "Mixed convection heat transfer over a non-linear stretching surface with variable fluid properties" at National Symposium sponsored by

UGC New Delhi under Special Assistance Programme, DRS-II at Gulbarga University, Gulbarga , India from Feb.8-9 , 2010.

6. Presented a research paper in National seminar on Recent Trends in Mathematical Sciences entitled "A note on dusty fluid flows with variable thermo-physical properties ", held at Sri Krishnadevaraya University, Anantapur from 17-18th Dec.2011.
7. **Presented an invited talk** on " hydromagnetic flow and heat transfer at a stretching sheet with fluid particle suspension and variable fluid properties" at National Conference on Frontiers in Applied Mathematics, Department of Mathematics, MES College of Arts, Commerce and Science Malleswaram, Bangalore from 9-10th March.2012.
8. **Presented a research paper "**Diffusion of chemically reactive species in a power law fluid over a stretching sheet" at UGC sponsored National Conference on The importance of Discrete Mathematics in Mathematics and Computer Science held at Maharani's Science College for Women, Bangalore from 13th-14th March 2012.
9. **Presented an invited Talk** in the National Conference on analysis and applications of Mathematics , Held at department of Mathematics and basic science , Reva Institute of Technology and Management from 22-23, 2013.
10. **Presented a research paper " Thin fim flow** flow and heat transfer in a thin film of Ostwald-de Waele liquid over a stretching surface" at UGC sponsored National Conference on Recent advances in Applied Mathematics at Gulbarga University, Gulbarga from 11th-12th March 2014.
11. **Presented a research paper " Thin fim flow** flow and heat transfer in a thin film of Ostwald-de Waele liquid over a stretching surface" at UGC sponsored National Conference on Recent advances in Applied Mathematics at Gulbarga University, Gulbarga from 11th-12th March 2014.
12. **Presented a research paper "** Hydromagnetic fluid flow and heat transfer at a stretching sheet with fluid-particle suspension and variable fluid properties" at National Conference on Advances in geometry, Analysis and Fluid mechanics at Kuvempu University, Shimoga from 26th -27th August 2014.

Paper presentation/ Invited Talk in International Conference

1. Presented a research article entitled "Momentum and heat transfer in Visco-elastic fluid flow in a porous medium over a non-isothermal stretching sheet" in the Golden Jubilee International conference held during Dec 31st 1999 to Jan 3rd 2000, at Lucknow University, Lucknow.
2. **Presented an invited Talk** in the 19th International Conference of the Jangjeon Mathematical Society & "The effect of variable fluid properties on the flow and heat transfer over a non-isothermal stretching sheet" held at Department of Mathematics, Bangalore University, Bangalore from 22-24th Feb.2007.
3. Presented paper in International Conference on Modeling and Simulation " Heat transfer in a non-Newtonian power law fluid over a non-isothermal stretching sheet" held at Coimbatore Institute of Technology, Coimbatore, India 27-29th Aug.2007.

4. Presented paper in International Conference & Exhibition on Total Engineering, Analysis& Manufacturing Technologies " Non-Darcy forced convective heat transfer in a visco-elastic fluid over a stretching sheet" held at J.N.Tata Auditorium, IISc Bangalore from 4-6 Oct.2007.
5. Presented a paper in First International Conference on Emerging Trends in Engineering & Technology " MHD flow and heat transfer in the flow of a power law fluid" held at G H Raisoni College of Engineering , Nagpur, M.S., India from 16-18th July, 2008.
6. **Presented an invited Talk** in the 22nd International Conference of the Jangjeon Mathematical Society & "Mixed convection flow and heat transfer of a power law fluid over a vertical stretching sheet" held at Adichunchanagiri Institute of Technolgy, Chikmagalur from Aug.13-15, 2009.
7. Presented a paper in International Conference on frontiers in Fluid Mechanics "The effect of variable viscosity on MHD visco-elastic fluid flow and heat transfer over a stretching sheet" held at Department of Mathematics, Bangalore University, Bangalore from 31st Aug. to 2nd Sept. 2009.
8. Presented a Research paper in 6th International conference on Dynamical Systems and Its Applications entitled" Convective heat transfer in the flow of viscous Ag-water and Cu-water nanofluids over a stretching surface" held at Department of mathematics, Morehouse college, Atlanta, Georgia, USA from May25-28th 2011.
9. **Presented an invited Talk** in the 26th International Conference of Jangjeon Mathematical Society , south Korea held at Acharya Institute of graduate studies Bangalore from Aug. 01-04, 2013.
10. **Presented an invited Talk** in the 3rd International Conference on Frontiers of Mathematics and Applications Organised by Department of Mathematics , The university of Burdwan West Bengal from Jan.29-31, 2014.
11. **Presented an invited Talk and served as a resource person in the GVPP college** hagaribommanahalli ,Bellary Karnataka on 17-02-2014 and delivered an invited talk on Some non-linear problems arising in Technological industry ..
12. **Presented an invited Talk and served as a resource person in the Satyabhama University, Chennai from 17-19th July 2014** and delivered an invited talk on heat and mass transfer of a non-Newtonian fluid flow over a vertical stretching sheet..
13. **Presented a research paper entitled** Unsteady flow and heat transfer in a thin film of Ostwald-de Waele liquid over a stretching surface **in ICM 2014 held at SEOUL , south Korea from 13-21 Aug. 2014.**
14. **Presented an invited Talk and served as a resource person in the Kuvempu University Shimoga from 4-5 Feb. 2016** and delivered an invited talk on flow problems arising in Technological Industry.

International/conference proceedings

1. **K.V.Prasad and K.Vajravelu,** heat and Mass transfer of a non-Newtonian fluid over a vertical stretching sheet, Proceedings of the Int.Conf. on Mathematical Sciences, 385-390, 2014,
2. **V. Rajappa and K. V. Prasad,** MHD flow and heat transfer in the flow of a power law fluid over a non-iso thermal stretching sheet, First International Conference on Emerging Trends in Engineering & Technology 1077-1082, 2008.
3. **P. S. Datti , K.V. Prasad** : Numerical solution of some boundary layer problems using Kellor Box Method, in Proceedings of Int.Con. on Advances in Applied Mathematics, Held in Gulbarga University, Gulbarga, P.No.102-105, 2006.
4. **Subhas Abel, K.V. Prasad, Ali Mahaboob** : Convective heat transfer in the flow of viscoelastic fluid saturated in a porous medium over a non-isothermal stretching sheet, American Society of Mechanical Engineers, Fluids Engineering division (Publication) FED 259, 721-744,2003.

Sessions chaired for International / National conferences

1. Chaired the Session at 6th International conference on Dynamical Systems and Its Applications on Saturday from 9.40 A.M to 11.40 A.M. on Applied Mathematics V at the Room No.148, Morehouse college, Atlanta, Georgia, USA May25-28th 2011..
2. Chaired the Session at Frontiers in Applied Mathematics on Saturday from 3.00 P.M. to 5 P.M. on Frontiers in Applied Mathematics at MES college of Arts, Commerce & Science, Malleshwaram Bangalore 9-10th March 2012.
3. Chaired a Session in Satyabhama University, Chennai from 17-19th July 2014 on International conference on Mathematical Sciences .
4. Chaired a Session in Kuvempu University, Shimoga from 26-27 Aug.2014 on Advanced in Geometry, Analysis and Fluid mechanics.

List of Publications of Dr. K. V. Prasad

1. **K.V. Prasad [a*], Hanumesh Vaidya [b], K. Vajravelu[c] and V. Ramanjini [a],** Analytical study of Cattaneo-Christov Heat Flux Model for Williamson-Nanofluid Flow Over a Slender Elastic Sheet with Variable Thickness, **Journal of Nano fluids** 7 (3), 583-594, 2018.
2. **K. Vajravelu, Ronald Li, M. Dewasurendra, J Benarroah, Nicholas Ossi, Ying Zhanag, Michael Sammarco, and K.V. Prasad**' 'Analysis of MHD boundary layer flow of an Upper- Convected Maxwell fluid with homogeneous-heterogeneous chemical reactions, Communications in Numerical Analysis, Vol.2017 (2), 1-15, 2017
3. **K. V.Prasad[1*] , Hanumesh Vaidya[1] and K. Vajravelu[2],** MHD mixed convection heat transfer over a non-linear slender elastic sheet with variable fluid properties, Applied Mathematics and Nonlinear Sciences, 2(2) (2017) 351–366.
4. **M. Prasad and K V Prasad**, On (*l*,*m*)-regular partitions with distinct parts, has been accepted for publication in The Ramanujan Journal, DOI 10.1007/s11139-017-9920-7.

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E-mail address: prasadkv2007@gmail.com(K V Prasad)

5. **K.V. Prasad[a*], K.Vajravelu and Robert Van Gorder, and Hanumesh Vaidya[a],** MHD Flow and Heat Transfer in a Nanofluid over a Slender Elastic Sheet with Variable Thickness , Results in Physics, 7 (2017) 1462–1474.
6. **K. Vajravelu[2], K.V. Prasad[1,] Chiu-On Ng[3] and Hanumesh Vaidya[1],** MHD squeeze flow and heat transfer of nanofluid between parallel disks with variable fluid properties and transpiration, International Journal of Mechanical and Materials Engineering (2017) 12:9 .
7. **K.V. Prasad, K.Vajravelu, H Vaidya, Nilufer and V.Umesh** , Thermal and species diffusion of MHD Casson fluid at a vertical sheet in the presence variable fluid properties, Ains Sham Engineering Journal, In press 2017.
8. **K. Vajravelu[1], K.V. Prasad[2], Chiu-On Ng[3,*] and Hanumesh Vaidya[2,]** MHD Flow and Heat Transfer over a Slender Elastic Permeable Sheet in a Rotating Fluid with Hall Current", **International Journal of Applied and Computational Mathematics Vol.**3 (4), 3175-3200 **, 2017**
9. **Vishwanath B. Awati , Manjunath Jyoti , K.V. Prasad ,** Series analysis for the flow between two stretchable disks, Engineering Science and Technology,, an International Journal Volume 20, Issue 3, June 2017, Pages 1211-1219.
10. **K V Prasad, K. Vajravelu , Hanumesh Vaidya** , convective heat and mass transfer flow of a nanofluid past a vertical slender cylinder in a saturated porous medium, VIJNANA BHARATHI-The frontier journal in SCIENCE, Vol.1(2), 19-38, 2016
11. **K. V.Prasad[a*], Patil Mallikarjun B[b] and Hanumesh Vaidya[c],** Mixed Convective Fully Developed Flow in a Vertical Channel in the Presence of Thermal Radiation and Viscous Dissipation, IJAME,22(1),123-144, 2017.
12. **K. Vajravelu, Ronald Li, M. Dewasurendra and K.V. Prasad,** Mixed convective boundary layer MHD flow along a vertical elastic sheet", I**nt. J.of Appl.& Compu. Mathematics, 3(3), 2501-2518, 2017.**
13. **K.V.Prasad, K.Vajravelu, Hanumesh Vaidya, M. Rashidi,** Effects of Variable Fluid Properties on the MHD flow and Heat Transfer over a Stretching Sheet with Variable Thickness, **Journal of Mechanics, 33(4),501-512, 2017**.
14. **S.Sreenadh*[1], M.Krishnamurthy[1], E.Sudhakara[1] and G.Gopi Krishna[1]. K.V.Prasad**, MHD Couette Flow of a Jeffrey Fluid Over a Deformable Porous Layer, **International Journal of Applied and Computational Mathematics** Volume 3(3),, pp 2125–2138, 2017.
15. **K. Vajravelu, K. V. Prasad, Hanumesh Vaidya and Neelufer,** Mixed Convective Flow of a Casson Fluid Over a Vertical Stretching Sheet, **International Journal of Applied and Computational Mathematics, 3(3), 2501-2518, 2017**.
16. **K. Vajravelu, G. Gregory, Ronald Li, M. Dewasurendra and K.V. Prasad,** Hydromagnetic flow and heat transfer of an upper-convected Maxwell fluid in a parallel plate channel with stretching walls, Communication in Numerical Analysis, 2016(2), 180-192, 2016
17. **K.V. Prasad K. Vajravelu, I.S. Shivakumara, Hanumesh Vaidya and Neelufer .Z.Basha,** Flow and Heat Transfer of a Casson Nanofluid Over a Nonlinear Stretching Sheet, Journal of nanofluids 5, 743-752 (2016) .

18. **K. V. Prasad,, K. Vajravelu, Hanumesh Vaidya , P.S. Datti and V. Umesh** Axisymmetric mixed convective MHD flow over a Slender Cylinder in the Presence of Chemically Reaction, International Journal of Applied Mechanics and Engineering. Volume 21(1), Pages 121–141, 2016.
19. **K.V.Prasad, K.Vajravelu, Hanumesh vaidya** , MHD Casson nanofluid flow and heat transfer at a stretching sheet with variable thickness, Journal of Nanofluids 5 (3), 423-435, 2016.
20. **K.V.Prasad, K.Vajravelu, Hanumesh vaidya** , Influence of Hall Current on MHD Flow and Heat Transfer over a slender stretching sheet in the presence of variable fluid properties, A Communications in Numerical Analysis, Vol. 1, 2016, 17-36.
21. **K.V. Prasad , K.Vajravelu, and Hanumesh Vaidya,** Convective micropolar fluid flow over an unsteady stretching surface, **Int. J Applied Mathematical Engineering, *vol.21, No.2, pp.407-422,* 2016.**
22. **K. Vajravelu, S. Sreenadh, P. Devaki and K. V. Prasad,** Peristaltic Pumping of a Casson Fluid in an Elastic Tube, **Journal of Applied Fluid Mechanics**, 2016, Vol. 9 Issue 4, p1897-1905.
23. **K. V. Prasad, K. Vajravelu H.Vaidya, and Santhi S.R**, Axisymmetric flow of a nanofluid past a vertical slender cylinder in the presence of a transverse magnetic field, **Journal of Nanofluids**, Vol.5, 101-109, 2016.
24. **K.V.Prasad, K.Vajravelu, P.S.Datti, Hanumesh vaidya**, Axisymmetric Flow over a Vertical Slender Cylinder in the presence of Chemically Reactive Species ", **International Journal of Applied and Computational Mathematics, (2017) 3(2),:663–678**.
25. **K. V. Prasad, K. Vajravelu and B. T. Raju**, **Hanumesh Vaidya**, Heat transfer in a non-Newtonian nanofluid film over a stretching surface, Journal of Nanofluids, Vol. 4, pp. 1–12, 2015.
26. **K.V. Prasad, Hanumesh Vaidya, K. Vajravelu** , MHD mixed convection flow of a viscous fluid in a vertical channel with temperature-dependent transport properties, JAFM, Vol.8(4), 693-701,2015.
27. **K. Vajravelu, K. V. Prasad, and S.R.Santhi,** Hydromagnetic flow and heat transfer of a UCM fluid at a stretching surface with fluid particle suspension, AAMM, Vol. **7**, No. 2, pp. 1-18, 2015.
28. **K. Vajravelu, S. Sreenadh, P. Devaki and K. V. Prasad:** Peristaltic Transport of a Herschel-Bulkley Fluid in an Elastic Tube, **Heat Transfer Asian Research, 44 (7), 585-598, 2015**
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