Dr. N.KISHAN, M.Sc;Ph.D.

Senior Professor of Mathematics
Osmania University, Hyderabad-7, TG

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http://osmania.ac.in/
http://www.linkedin.com/in/kishan-naikoti-235a6432/
https://sciprofiles.com/profile/kishannaikoti/
https://orcid.org/0000-0002-8548-6534
https://publons.com/researcher/2165575/kishan-naikoti/
https://vidwan.inflibnet.ac.in/myprofile//Vidwan-ID : 513241/

Employment History

2023 – till date — **Senior Professor,** Department of Mathematics, University College of Science, Osmania University, Hyderabad, Telangana, India (from 22-09-2023 to Till date) .

2021 – 2023 — **Head** & **Professor of Mathematics,** Osmania University, Hyderabad, Telangana, India (from 01-07-2021 to 07-07-2023) .

2013 – 2023 — **Professor,** Department of Mathematics, University College of Science, Osmania University, Hyderabad, Telangana, India (from 22-09-2013 to 21-09-2023).

2007 – 2013 — **Associate Professor,** Department of Mathematics, University College of Science,Osmania University, Hyderabad (from 09-05-2007 to 21-09-2013).

2006 – 2007 — **Assistant Professor,** P.G.College of Science, Osmania University, Saifabad, Hyderabad (from 25-02-2006 to 09-05-2007).

1991 – 2006 — **Assistant Professor (Adhoc),** P.G.College of Science,Saifabad, Osmania University, Hyderabad (from 12-10-1991 to 25-02-2006).

Awards and Achievements

2020 — **Merit Award:** Best Teacher Award for the year 2020 awarded by Govt. of Telangana, T.G, India

Education

1991 – 1996 — **Ph.D., Osmania University**, Applied Mathematics.
Thesis title: *COMPUTATIONAL TECHNIQUES IN MHD HEAT TRANSFER & TURBULENT FLOWS*

1988 – 1990 — **M.Sc. Applied Mathematics, Osmania University**
: *University College of Science, Osmania University, Hyderabad-7, A.P*

1984 – 1987 — **B.Sc. (Maths, Physics, Chemistry), Osmania University**
P.G. College of Science,Safabad, OU, Hyderabad-4, A.P

1981 – 1983 — **Intermediate (Maths, Physics, Chemistry),**
Govt. Junior College, Medak (Town & Dist.), A.P

1977 – 1981 — **VII – X Class,**
Govt. Junior College, Medak (Town & Dist.), A.P

1975 – 1977 — **VI – VII Class,**
Govt. New High School, Medak (Town & Dist.), A.P

Education (continued)

1971 – 1975 **I – V Class,**
Upper Primary School, Kodpak (Vill.), Papannapet (Mandal); Medak (Dist.), A.P

Details of Institutional Services

2021 – 2023 **Head, Department of Mathematics, Osmania University from 1st July, 2021 to 7th July, 2023.**

2020 – 2024 **Dean, Faculty of Science, Mahathma Gandhi University, Nalgonda, Telangana State, from 19-01-2021 to 31-01-2024**

2019 – 2022 **I/c Member Secretary for SET-TS, Osmania University, Telangana State from 31st December,2019 to 28th March, 2022**, dated: 31-12-2019.

2017 – 2021 **Director, Directorate of Admissions, Osmania University, from 21st September, 2017 to 5th July, 2021.**, dated:21-09-2017 and 27-09-2018.

2016 – 2019 **Co-Ordinator, UGC-DSA Phase-I, Department of Mathematics, Osmania Uniersity, Hyderabad**.

2020 – 2021 **Convenor, CPGET-2020 (Common Post Graduate Entrance Tests) Telangana State, for Admission into M.A, M.Sc, M.Com and other PG programmes**.

2019 – 2020 **Convenor, CPGET-2019 (Common Post Graduate Entrance Tests) Telangana State, for Admission into M.A, M.Sc, M.Com and other PG programmes**.

2009 – 2017 **Joint Director, Directorate of Admissions, Osmania University, from 31st October, 2009 to September, 2017(8 years)**, dated: 30-10-2009.

2008 – 2010 **General Warden, B- Hostel, at University College of Science, Osmania University, Campus, Hyderabad.**, dated: 05-08-2008.

2005 – 2007 **Served as Warden, Hostel, at P.G. College of Science, Osmania University, Saifabad, Hyderabad.**

2007 – 2009 **Student Advisor, Department of Mathematics, University College of Science, Osmania University.**

2017 – 2019 **Chairperson, Board of Studies in Mathematics, Osmania University from 31st August, 2017 to September, 2019.**, dated: 09-09-2017.

2017 – 2021 **Chairperson, Board of Studies in Mathematics, Mahathma Gandhi University**.

2019 – 2021 **Chairperson, Board of Studies in Mathematics, Palamuru University from August, 2019.**

2020 – 2024 **Chairperson, Board of Studies in Mathematics, Satavahana University from 08-12-2020 to Till the date.**

2020 – 2023 **Member Board of Studies for P.G. and UG, Courses, Osmania University, Hyderabad, TS**, dated: 26-02-2020.

2019 – 2021 **Member Board of Studies for P.G. and UG, Courses, Kakatiya University, Warangal, TS**, dated: 27-06-2019.

2001 – 2003 **Member Board of Studies for P.G., Autonomous Course at P.G. College of Science, Osmania University, Saifabad, Hyderabad-4, A.P, India.**

2018 – 2023 **Member, Departmental Committee, Mathematics, Aug, 2018 to Jan-2024.**

Details of Institutional Services (continued)

2009 – 2015	**Member, Departmental Committee, Mathematics, July, 2009 to Sept, 2015.**
2021 – 2023	**Member, Board of Studies in Mathematics for UG courses, Osmania University, from 19th Aug, 2021 to till the date.**

MEMBER IN THE COMMITTES:

- Visitor's Nominee member for Executive Council, University of Hyderabad, Hyderabad, India from Feb, 2024 to till the date.
- Member, Committee to conduct enquiry in maintaining the Roster Points (Rule of Reservation) meant for SC/ST categories and to prepare New Roster Register (Master Copy) Osmania University, during 2020-2022, dated.02-03-2020 and dated. 11.08.2021.
- Member, UGC Expert Committee to visit Dayalbagh Educational Institue, Agra to ascertain the financial report forwarded by MoE, India, dated. 09-01-2024.
- Member, OU Committee to examine the financial impact of introducting the semester system under CBCS in UG, PG in ODL mode at PGRRCDE, Osmania University, dated. 31.05.2023.
- Member, OU Committee to examine the petitions, to study and recommend the admission procedure in Minority and Autonomous Colleges under Osmania University, dated.12.04.2023
- Chairman,Departmental Committee, Department of Mathematics, Osmania University, during 2022 to 2023, dated:06-09-2022.
- Member, Departmental Committee, Department of Mathematics, Osmania University, during 2016 to 2019, dated 24-06-2016.
- Member, Departmental Committee, Department of Mathematics, Osmania University, during 2013 to 2016, dated 28-09-2013.
- Member, Committe to examine the past service renderred by the members of faculty, The English and Foreign Languages University (EFLU), Hyderabad, dated. 10-03-2022.
- Member, Committee to identify the irregularities and to look over the grievances, in Ph.D admissions as per AP High Court directions, during 2013-14.
- Member, Project Implementation Group (PIG) under DST-PURSE-II Programme, Osmania University, during 2021-2022, dated.16.04.2021.
- Member, Project Implementation Group (PIG) under DST-PURSE-II Programme, Osmania University, during 2017-2021, dated.11.01.2017.
- Member, Project Implementation Group (PIG) under RUSA-2.0, Osmania University, during 2019-2022.
- Co-ordinator, Research sub Centre under RUSA-2.0, Osmania University, during 2019-2022.
- Member, Committee to design curriculum for three years, credits, E-content to B.Sc course of Data Science, dated.06-03-2020.
- Member, in framing and designing B.Sc, Data Science Course, Telangana State Council of Higher Education (TSCHE), Telangana, 2018-19.

(continued)

- Vice-Chancellor's Nominee, Purchase Committee for Osmania University Centre for International Programmes, dated.17-03-2021.
- Member, Three Member Committee to recommend the nominee of the University as IPR Chair Professor for the Establishment of IPR Chair in Osmania University under the scheme SPRIHA, dated.16-01-2021.
- Member, Resarch Advisory Committee to assess the Research work and give the future plan and directions for the holistic view on R & D policy for Osmania University, dated 27-10-2020.
- Vice-Chancellor's Nominee, Purchase Committee for Examination Branch, Osmania University, dated.20-10-2020 to till the date.
- Member, Well Wisher Committee for Internal Implementation and Progress Review of Programmes, DST-PURSE-II Programme, Osmnaia University, dated.07-09-2020.
- Member, TS-SET (State Eligibility Test, Telangana State) implementation committee, TS, 2018-19.
- Member, Advisory committee for CPGET-2021 (Common Post Graduate Entrance Test), Telangana State.
- Member, Advisory committee for CPGET-2022 (Common Post Graduate Entrance Test), Telangana State.
- Member, Purchase Committee, Osmania University, TS-SET, dated.27-02-2019.
- Member,Committee for Revision of existing fee structure of PG Courses for the academic year 2017-2018, dated.07-04-2017.
- Member, Study the workload of various Departments and compare the workload before and after 2013 recruitment of Assistant Professors in Osmania University, dated.26-11-2015.
- Convenor, Constituted a Committee to look into the matter of providing necessary software for conducting centralized and computerized Counselling for admission into various P.G., P.G. Diploma and 5 Years Integrated Courses, etc., admitted under the OU Common Entrance Test (OUCET), dated:24-04-2015.
- Served as a Member in Joint Inspection Committe, appointed by State Council of Hgher Education, Telengana Stae, to inspect several colleges of Telangana State.

Academic & Research

Research Area:

- Boundary Layer Theory; CFD; MHD; Non-Newtonian Fluids; Heat and Mass Transfer; Nanofluids; Hybrid Nanofluids.

Projects:

- **Co-Ordinator:** Co-Ordinator UGC-DSA-SAP(Phase-I), Department of Mathematics, Osmania University, Hyderabad, 2017-2019.
- **Major Research Project:** DST-PURSE-I Programme, 2011-16 Research Project on **Steady flow of Incompressible non-Newtonian power-law fluids: A Numerical study**, dated:11-08-2011; 18-09-2012.
- **Major Research Project:** DST-PURSE-II Programme, 2017-2021 Research Project on **Boundary Layer flow and Heat Transfer Characteristics of non-Newtonian Nanofluids: A Numerical study**, dated: 28-07-2017; 19-09-2019; 5-12-2020 and 22-12-2021.

Academic & Research (continued)

Ph.D & M.Phil

- Number of Ph.D Degrees Awarded: **23**
- M.Phil Degrees Awarded: 4
- Presently Supervising: 8

Research Publications

- **Total No. of Papers Published: 178**
- International Journals(Scopus, Sci, E.Sci, WoS): **148**
- National/International (UGC Listed Journal): 30
- **Google Scholar citation: 2650 , h-index-25 , i10-index- 75**

Reviewer in Journals:

- Reviewer in reputed National and International Journals indexed in Scopus, Sci, Web of Science, etc.

MEMBERSHIP IN TO PROFESSIONAL BODIES/ORGANIZATIONS:

2022 **President, APTSMS (Andhra Pradesh and Telangana Society for Mathematical Sciences): 2021-2023**

1998 **Life Member, Indian Science Congress (L32759)**.

2016 **Life Member, ISTAM (L-1239)**.

1998 **Member, Andhra Pradesh and Telangana Society for Mathamatical Sciences (LM-197)**.

2005 **Member, Indian Academy of Mathematics**.

2006 **Life Member, ALUMNI, Association, Osmania University**.

RESOURCE PERSON / ACADEMIC ACTIVITIES:

2023 Invited talk on **Computational Methods With Applications to Fluid Dynamics**,at International Conference on Computational Modeling in Science and Engineering (ICCMSE - 2023) from 28-30 October, 2023, held at NIT, Warangal, TS.

Invited talk on "**Finite Element Analysis of MHD Bioconvection in a Porous Square Cavity**" in International Conference on Recent Advances in Sciences and Engineering (ICRASE-2023) held from 23-25th June, 2023, at WOXSEN University, Sangareddy, Telangana.

2022 Presidential talk on **Boundary Layer Theory and Its Applications in Fluid Mechanics** at XXXI ANNUAL CONGRESS OF APTSMS Int. Conference on Relevancy of Ancient Mathematics to the current Digital Trends(ICRAMCDT-2022), NATIONAL SANSKRIT UNIVERSITY::TIRUPATI, 9 - 11 December , 2022, Tirupathi, A.P

Plenary talk on "**Computational Methods for fluid flow and heat transfer problems**" in International Conference on Mathematical Sciences and Emerging Applications in Technology (ICMSEAT-2022) held from 9-11th September, 2022, at GITAM University, Rudraram, Hyderabad, T.S

RESOURCE PERSON / ACADEMIC ACTIVITIES: (continued)

- Invited talk on **LATEX** at Faculty Development Programme for Polytechnic Lecturers on 9th June, 2022 held at UGC-HRDC- Osmania University, T.S during 1-21st June, 2022.
- Invited talk on **Finite Element Analysis of Flow and Heat Transfer Problems**, from 28-29 January, 2022, held at Yogi Vemana University, Kadapa, A.P

2020

- Invited talk at **Andhra Pradesh and Telangana States Mathematical Society (APTSMS)** conference held at Mahathma Gandhi University, Nalgonda, December, 2020.
- Invited talk at **National Conference on Recent Advances in Mathematics and its Industrial Applications**, 6-7 February, 2020, ANU, Ongole, A.P
- Invited talk at National Conference on "**Industrial Applications of Mathematics and its developments**" during 13-14 March 2020, Kuvempu University, Shnakraghatta, Shivamogga, Karnataka.

2019

- Invited Talk in **NATIONAL CONFERENCE ON ADVANCES IN COMPUTATIONAL FLUID DYNAMICS (NACFD – 2019)** Sponsored by DST-SERB during 12-13, April 2019 at Andhra Kesari Tanguturi Prakasam University (Acharya Nagarjuna University Ongole Campus), Ongole, A.P
- Plenary talk on **Finite Element Analysis of Bioconvection in Nanofluid-saturated Porous Square Cavity containing Microorganisms** in the International Conference on Mathematical Sciences and Applications (ICMSA-2019), during August, 9-11, 2019, Organized by Department of Mathematics, School of Technology, GITAM University, Hyderabad.
- Resoource Person in the **National Seminar on Recent Trends in Mathematical Analysis and Mathematical Modeling** on April, 27, 2019 organized by Department of Mathematics, A.V.College, Hyderbad.

2017

- Invited talk on **Finite Element Analysis of convectin in Nanofluid filled with prorus cavity** in CONIAPS-XX 20th Int. Confernce of International Academy of Physical Sciences, during July, 14-16, 2017, Faculty of Science, Osmania University.

2009

- Invited talk on **Radiation Effect on MHD Steady free Convection flow of a gas at a stretching surface with a uniform free steam with viscous dissipation at International conference on Frontiers in Fluid Mechanics (ICFFM-2009)** during 31st Aug to 2nd Sept-2009 held at UGC-CAS in Fluid Mechanics Bangalore University, Bangalore.

2011-2019

- Resource person for the **BARC training school (during 2011-2019)**, for junior scientists at AMD (Atomic Mineral Directorate), Begumpet, Hyderabad.

2019

- Invited talk in **Internatinal Conference on Mathematical Modeling in Science and Engineering** during 1,2 February, 2019 at Bharathiar University, Coimbatore, Tamil Nadu.

2016

- Invited talk on **Heat transfer and boundary layer flow analysis of Sodium Alignt (SA) non-Newtonina Nanofluid over a Non-Linearly stretching sheet** in Int. Conference on Diffrential Geometry, Analysis and Fluid Mechnics (ICDGAFM-2016) held at Kuvempu University,Shimoga, Karnataka during 4,5th February, 2016.

RESOURCE PERSON / ACADEMIC ACTIVITIES: (continued)

2013 — Invited talk on **MHD Flow and Heat transfer of non-Newtonina power-law fluid past a Non-Linear Stretching Suface** in UGC sponsored National Conference on Diffrential Geometry, Analysis and Fluid Mechnics (NCGAF-2013) held at First Grade College, Koppa in association with Kuvempu University, Karnataka during 4,5th February, 2016.

2011 — Invited talk on Computational Fluid Dynamics for Training programme for M.Phil & Ph.d students at Dr.Br.Ambedkar Open University, during 12-18th Feb-2011, Hyderabad.

2010 — Resource person for 2nd Refresher Course in Mathematics & Statistics on 27th Dec-2010, at UGC-Academic Staff College, Osmania University, Hyderabad.

Resource person for Training programme for M.Phil & Ph.d students at Dr.Br.Ambedkar Open University, during 11-17th Dec-2010, Hyderabad.

2008 — Resource person for Short Course "Fourier Series & Laplace Transforms" for Polytechnic Teachers, at National Institute of Technical Teacher,s Training and Research, SanketikaVidya Bhavan, Hyderabad, A.P, India.

Invited talk on Finite Difference and Finite Element for Training programme for M.Phil and Ph.d students at Dr.Br.Ambedkar Open University, during 19-25th Nov-2008, Hyderabad.

2005 — Act as a Judge for Selection of 1st Prize Winners in the theme Mathematical Modelling in ANDHRA PRADESH STATE LEVEL SCIENCE EXHIBITION 2004-05, At Delhi Public School Vanasthalipuram, Hyderabad.

2023 — Editor, for the Complex Analysis course book for the M.Sc Mathematics Course in Prof.G.Ram Reddy Centre for Distance Education, Osmania University.

Editor, for the Mechanics course book for the M.Sc Mathematics Course in Prof.G.Ram Reddy Centre for Distance Education, Osmania University.

Editor, for the Numerical Analysis text book of the B.Sc Mathematics Course in Telangana State, Published by Telugu Akademi.

Editor, for the Numerical Analysis text book of the B.Sc Mathematics Course in Telangana State, Published by Telugu Akademi.

List of Ph.D Awardees:

Mar, 2010 — **Govardhan Kamatam,** Study of Heat Mass Transfer with Viscous Dissipation and Micropolar Fluids (Mar, 2010).

July, 2011 — **P.Amrutha**, Numerical Study of MHD Heat Transfer over Wedge with Viscous Dissipation and Variable Viscosity (July, 2011).

Jan, 2011 — **B.Sashidar Reddy Reddy,** Study of non-Newtonian Power-Law Fluid flows with MHD and Viscous Dissipation (Jan, 2011).

Mar, 2012 — **Bala Siddulu Malga,** Finite Element Analysis of unsteady MHD Convective Heat and Mass Transfer of Micropolar Fluid past a plate (Mar, 2012).

May, 2013 — **G. Deepa,** Numerical Study of MHD Effects on Convective Heat and Mass Transfer with Viscous Dissipation (May, 2013).

June, 2015 — **Hunegnaw Dessie Assress,** Numerical Study of MHD Boundary Layer Flow and Heat Transfer over A Stretching Sheet (June, 2015).

List of Ph.D Awardees: (continued)

Sept, 2015	**P.Kavitha,** Numerical Study of Magneto Hydrodynamic flow and heat transfer of a Non-Newtonian Power Law Fluid with Thermal Radiation and Viscous Dissipation (Sept, 2015).
Dec, 2015	**S. Jagadha,** Numerical Study of MHD Heat and Mass Transfer In Darcy-Forchheimer mixed convection from a vertical flat plate in a porous medium under the effects of radiation, thermophoretic and chemical reaction (Dec, 2015).
Feb, 2016	**B. Balaswamy,** Numerical Study Of MHD Boundary Layer Flow In A Porous Medium (Feb, 2016).
Feb, 2017	**Balla Chandra Shekar,** Finite Element Analysis of MHD Boundary Layer Flow and Heat Transfer Characteristics of Nanofluids (Feb, 2017).
	Macha Madhu, Finite Element Analysis of MHD Boundary Layer Flow of a Non-Newtonian Nanofluid (Feb, 2017).
Jan, 2017	**Srinivas Maripala,** Numerical study of MHD Boundary layer flow and heat transfer of a Nanofluid over a stretching/shrinking sheet (Jan, 2017).
Dec, 2017	**D. Hyma,** MHD Boundary layer flow, Heat and Mass transfer Analysis of Nanofluids: A Numerical Study (Dec, 2017).
July, 2018	**C. Srinivas Reddy,** Numerical Study of Heat and Mass Transfer characteristics of Non-Newtonian Nanofluids (July, 2018).
Nov, 2018	**Vijaya Basker Reddy,** Numerical Study of Melting Heat Transfer on MHD Flow of a Non Newtonian Nanofluid past a Stretching sheet (Nov, 2018).
June, 2019	**M. Haritha,** Convective Heat Transfer Analysis in a Porous Square Cavity filled with Nanofluids (June, 2019).
Nov, 2019	**Gossaye Aliy Adem,** Optimal Homotopy Asymptotic Method for Electrical MHD non-Newtonian Fluid Flow over a Stretching Sheet (Nov, 2019).
Oct, 2020	**Degavath Gopal,** Flow and Heat Transfer Analysis of MHD non-Newtonian nonfluids over a stretching surface: A Numerical Study (Oct, 2020).
Apr, 2021	**V. Meenakshi,** Computational Methods and its Applications to Magnetohydrodynamic Heat Transfer Problems (Apr, 2021).
Sept, 2022	**Alluguvelli Ramesh,** Finite Element Analysis of Bioconvection in a Porous Cavity filled by Oxytactic Microorganisms (Sept, 2022).
Dec, 2022	**Neella Amar,** Heat Transfer Analysis on MHD Boundary Layer over a static/moving Wedge (Dec, 2022).
Sept, 2023	**Pagidipally Sreehari,** The Characteristics of Heat and Mass Transfer on MHD Fluid Flows in Different Geometries: A Numerical Study (Sept, 2023).
Jan, 2024	**Nagaraju L,** Heat Transfer Analysis of unsteady MHD convective flows through porous medium (Jan, 2024).

List of M.Phil Degree Awarded Candidates:

2010	**V. Meenakshi,** MHD Heat and Mass Transfer through porous medium (2010).
2011	**Maripala Srinivas,** Heat Transfer analysis : A Numerical Study (2011).
2012	**D. Latha Madhuri,** Numerical solutions of Heat Transfer Problems (2012).
2015	**L. Nagaraju,** MHD Effects on Convective Heat Transfer: A Finite Element Analysis Dec, (2015).

ATTENDED TRAINING PROGRAMMES/COURSES:

- SERC-School on Mathematical Modelling of Atmospheric Pollution, held at Bangalore University, from 15th May to 16th June, 2001.
- Workshop on Hydrodynamics, held at Indian Institute of Science (IISc), Bangalore, from 6th -9th, Dec, 2004.
- Course on Programming and Mathematical Packages, held at University Computer Center, Osmania University, Hyderabad, from 28th April to 15th June, 1999.
- National Level Workshop on Object Oriented Computing in Applicable Mathematics, held at Department of Mathematics, Osmania University, Hyderabad, from 22nd to 29th, Mar, 1997.
- Orientation Course, at Academic Staff College, Osmania University, from 8-06-1998 to 4-07-1998.
- Refresher course, at Academic Staff College, Osmania University, from 20-07-2006 to 10-08-2006.
- International Conference for Mathematicians (ICM) from 19th to 27th Aug-2010, held at Hyderabad, AP, India.
- Professional Development Programme(PDP) for senior teachers, from 15-11-2010 to 20-11-2010, at Academic Staff College, University of Hyderabad, Hyderabad.

SEMINARS/CONFERENCES ATTENDED AND CONDUCTED:

- Convener, National Seminar on Synergizing Higher Education in the Context of NEP-2020 on 22-23, December, 2021, held at Osmania University, HYDERABAD, T.S, India.
- Convener, XXX-APTSMS (Andhra Pradesh & Telangana Society for Mathematical Sciences) and Internatinal Conference on Mathematics and its relevance to science and engineering, 12-14, 2022, held at Osmania University, HYDERABAD, T.S, India.
- Convener, National Mathematics Day, on 19-20, December, 2021, held at Osmania University, HYDERABAD, T.S, India.
- Attended a two-day seminar on the "National Educational Policy 2020– A road map to revamp the Indian higher education system" from 22-23 March 2022, held at Sri Venkateswara University, TIRUPATHI, A.P.
- Convener, International conference on Computational Fluid Flow and Heat Transfer, from 28-29, March, 2018, held at Osmania University, HYDERABAD, T.S, India.
- Convener, National conference on MATHEMATICAL SCIENCES AND APPLICATIONS(NCMSA); 30-31 July, 2018, held at Osmania University, HYDERABAD, T.S, India.
- Presented a paper titled "Visous and Jole's dissipation effects on Bio-convection MHD Casson radiative fluid flow over a stretching sheet with slip condition" during 3rd "International Conference on Recent Challenges in Engineering and Technology" held at Annamacharya Institute of Technology and Sciences, Tirupati during 12-13, September, 2017.
- Organizing committee member of the 62nd Congress of Indian Societey of Theoretical and Applieid Mechnics (ISTAM-2017) during 15-18 December, 2017 organized by Osmania University.
- Organizing Secretary for National workshop on "Advanced Techniques in Computational Fluid Dymnamics" from 24-25$^{th} Feb - 2012, HYDERABAD, T.S, India.$

SEMINARS/CONFERENCES ATTENDED AND CONDUCTED: (continued

- Organizing Secretary for one day Seminar on "Mathematics Modelling in Fluid Mechanics" 30 Nov-2011,HYDERABAD, T.S, India.
- International Conference on "Recent Advances in Fluid Mechanics" from 23-24 Dec-2010 (Organizing Committee), Osmania University, HYDERABAD, T.S, India.
- National conference on "Recent treands in Mathematical Science" Dept. of Mathematics, from 30-31 Mar-2010,Osmania University, HYDERABAD, T.S, India.
- National work shop on "Advanced Techniques in Computational Fluid Dynamics" from 24-25 Feb-2012, Osmania University, HYDERABAD, T.S, India.
- International conferences on "Recent Advance in Fluid Mechanics" from 23-24 Dec-2010, Dept. of Mathematics (Organising Committe), Osmania University, HYDERABAD, T.S, India. .
- Workshop attended on "Hydrodynamics" held at Indian Institute of Science (IISc), Banglore, from 6-9 December, 2004.
- XVI Congress of APTSMS and "Symposium on Mathematical Modeling in Earth Sciences with special emphasis on sesimilogy" held at NGRI, Hyderabad, during 8-10th December, 2007.
- National Seminar on "Fluid Mechanics – Its Applications to science & Technology", February 9-10,2005, held at Osmania University, HYDERABAD, T.S, India.
- National Seminar on "New Trends in Functional Analysis & Operator Theory", March 11-12, 2005 held at Osmania University, HYDERABAD, T.S, India.
- National Conference on "New Trends in Number Theory", held from March 18-19, 2006 held at Osmania University, HYDERABAD, T.S, India.
- National Seminar on "Recent Advances in Continnum Mechanics" from March 11-12, 2004, held at Osmania University, HYDERABAD, T.S, India.
- National Seminar on "Recent Advance in Heat & Mass Transfer" February 28,2004 held at Osmania University, HYDERABAD, T.S, India..
- Presented Paper at XII-Congress Andhra Pradesh Society for Mathematical Science, from December 12-14, 2003 held at Osmania University, HYDERABAD, T.S, India.
- National Seminar on "Recent Advance in Fluid Mechanics" March 26, 2003 held at Osmania University, HYDERABAD, T.S, India.
- National Seminar on "Algebra – Its Applications" March 29-30, 2003 held at Osmania University, HYDERABAD, T.S., India.
- Presented Paper at X-Congress Andhra Pradesh Society for Mathematical Science, from 18-20 January, 2002, held at Osmania University, HYDERABAD, T.S, India.
- National Seminar on "Current Trends in Fluid Mechanics" March 30-31, 2001 held at Osmania University, HYDERABAD, T.S, India.
- National level Seminar cum Workshop on "Object Oriented Computing in Applicable Mathematics", during March 22-29, 1997 held at Osmania University, HYDERABAD, T.S, India.
- X-ISME Conference on Mechanical Engineering, held at Delhi, Dec 9-11, 1996.

CONTRIBUTION AS AN ACADEMIC ADMINISTRATOR:

- As a Convener of OUCET-2019 (Osmania University Common Entrance Test) for the admissions in to M.Sc, M.A, M.Com, M.Ed, M.P.Ed etc., and Five years Integrated courses. Initiated to introduce the online entrance test CBT (Computer Based Test) mode first time. This initiation is the first state university to implement common entrance tests through CBT(Computer Based Test) mode for the conventional P.G programmes.
- As a convener of CPGET-2020 (Common Post Graduate Entrance Test) initiated to conduct state wide entrance test and admissions process for all Universities of Telangana State such as OU, KU, MGU, TU, PU, SU, PSTU and JNTUH.
- As a Joint Director, Directorate of Admissions, OU, initiated and implemented to automation of the Osmania University Entrance Test (OUCET) and admission process, such as issue of Hall Tickets, Rank Cards, Allotment Information, fee payment and sale of applications etc.,during the years 2009 to 2017 . Before 2009 the process of admission and entrances would have been handled manually only.
- Served as a member in the several committees such as board of studies, selection committees at university level/state level.
- Served as a Chairperson /member in several committees to introduce a new courses in university level or state level.
- Instrumental to introduce a M.Sc (Applied Mathematics) at P.G.College of Science, Saifabad, Osmania University during the year 1998.
- Instrumental to introduce interdisciplinary courses such as Bio-Mechanics, CFD and Finance Mathematics/Business Mathematics at P.G.College Science, Saifabad, OU and at Osmania University.
- Convener, Constituted a Committee to look into the matter of providing necessary software for conducting centralized and computerized counseling for admission into various P.G., P.G. Diploma, and 5-Year Integrated Courses, etc., admitted under the OU Common Entrance Test (OUCET) in the year 2015. The in-house committee was formed with Prof.Ramchandram, Professor of Computer Science at OU, to develop the software for online admissions. Instrumental to give inputs regarding the rule of reservations and seat matrix to develop the proper software. The trial allotments were cross-verified, and modifications were made accordingly.
- Served as a Member in Research Projects Implementation Group such as DST-PURSE-OU and RUSA-OU during 2011-2022.
- As a Convener for National Seminar on Synergizing Higher Education in the Context of NEP-2020: Strategies for Implementation at Osmania University seminar in collaboration with OU, TSCHE, Commissionerate of Collegiate Education (CCE)-TS, created a plot form to discuss the advantages and disadvantages NEP-2020 in the academic system of India starting from the school to college level.
- Served as a Governing body member for several P.G, UG and Engineering colleges affiliated to Osmania University.
- Served as a Selection member and Subject Expert for several P.G, UG and Engineering colleges affiliated to Osmania University.

Research Publications

Journal Articles

1. Amar, N., Kishan, N., & Shankar Goud, B. (2023). Viscous dissipation and radiation effects on mhd heat transfer flow of casson fluid through a moving wedge with convective boundary condition in the existence of internal heat generation/absorption. *Journal of Nanofluids*, *12*(3), 643–651.
2. Dyapa, H., & Kishan, N. (2023). Numerical simulation of dufour and soret impacts on mhd williamson nanofluid flow through an inclined surface. *Heat Transfer*, *52*(1), 448–466.
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4. Kune, R., Jagadha, S., Naik, S. H. S., Kishan, N., & Gopal, D. (2023). Parametric study of mhd, heat absorption/generation and diffusion of mass on one dimensional unsteady, chemically reacting flow employing finite element method. *Materials Today: Proceedings*, *80*, 1086–1095.
5. Nagaraju, L., & Naikoti, K. (2023a). Laminar unsteady magnetohydrodynamic flow of newtonian nongray optically thin fluid through porous medium between two concentric vertical cylinders. *Heat Transfer*, *52*(5), 3774–3798.
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7. Nagaraju, L., Naikoti, K., & Krishna, M. V. (2023). Chemical reaction and soret effects on mhd convective flow of second grade fluid through an absorbent medium with ramped wall temperature as well as ramped surface concentration. *Journal of the Indian Chemical Society*, *100*(1), 100818.
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10. Alluguvelli, R., Balla, C. S., & Naikoti, K. (2022). Bioconvection in porous square cavity containing oxytactic microorganisms in the presence of viscous dissipation. *Discontinuity, Nonlinearity, and Complexity*, *11*(02), 301–313.
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