




DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT
22 Mile, B.M Kaval, Udayapura, Kanakapura Road, Bangalore-560082.

DEPARTMENT OF MATHEMATICS

Faculty Name	Dr. Nagaraj.C	
Designation	Professor & Head	
Educational Qualification	B.Sc., M.Sc., Ph.D	
Experience in Years	15 yrs.	
Area of Interest	Applied Mathematics	
Email ID	drnagarajc@gmail.com	

Educational Details

- Ph.D - Fluid Mechanics, Bangalore University
- M.Sc.- Graph Theory & Magneto hydrodynamics', Bangalore University
- B.Sc.- Physics, Mathematics & Electronics, Bangalore University

Personal Details

- Date of Birth : 21st August 1978
- Hobbies : Listening to music
- Languages Known : Kannada, Hindi, English

Professional Experience

- Working as a Professor and Head of the Department in Department of Mathematics at Dayananda Sagar Academy of Technology and Management (Technical Campus), Udayapura, Kanakapura Road, Bengaluru-82 from August 2011 to till date.
- Worked as an Assistant professor and Head of the Department in Department of Mathematics at T.John Institute of Technology, Bannerghatta Road, and Bengaluru-83 from August 2008 to July 2011.
- Worked as a lecturer and Assistant professor in Department of Mathematics at AMC Engineering College, Bannerghatta Road, Bengaluru from February 2007 to August 2008
- Worked as a lecturer in Department of Mathematics, Central College, K.G.Road, and Bengaluru at U.V.C.E, K.R.Circle, and Bengaluru from September 2002 to February 2007 during Research work for the Doctoral degree.

Publications

International Journals:

- Chiu-On Ng, Rudraiah, N. and Nagaraj.C, "Effect of artificial cartilage made up of smart material nanostructure on dispersion in poorly conducting macromolecular components in synovial joints", *Key Engineering Materials*, Vol. 334-335, pp 1245-1248, 2007.

National Journals:

- Chiu-On Ng, Rudraiah, N., Nagaraj, C., and Nagaraj, H. N., “Electrohydrodynamic Dispersion of Macromolecular components In Nanostructured Biological Bearing”, *Journal of Energy, Heat and Mass Transfer*, Vol. 27, pp 39 – 64, 2005.
- Chiu-On Ng, Rudraiah, N., Nagaraj.C and Nagaraj.H.N., “Electrohydrodynamic Dispersion of Macromolecular components In Biological Bearing”, *Journal of Energy, Heat and Mass Transfer*, Vol. 28, pp 261 – 280, 2006.

Conferences:

- **“Frontiers of Plasma Physics and Technology”**, International Conference organized by UGC-CAS in Fluid Mechanics, Department of Mathematics, Bangalore University, and Bangalore from 9-14 December, 2002.
- **“Advances in Fluid Mechanics”** National Conference, presented a paper entitled “Effects of electric field and couple stress fluid on the dispersion of proteins in nanostructured smart synovial joints”, held at Department of Studies and Research in Mathematics, Gulbarga University, Gulbarga on February 5-6, 2004.
- **“International Conference on Advances in Applied Mathematics”**, presented a paper entitled “Effect of electric field on dispersion of macromolecular components in natural synovial joints” held at Gulbarga University, Gulbarga during February 24-26, 2005.
- **“Applied Mathematics”** National Conference organized by Department of Mathematics, Gulbarga University, Gulbarga during February 7-8, 2006.
- **“Trends in Materials processing in science, engineering and Technology”** , one day state level conference organized by Siddaganga Institute of Technology, Tumkur on April 1, 2006.
- **“Frontiers in Fluid Mechanics”**, International Conference organized by UGC-CAS in Fluid Mechanics, Department of Mathematics, Bangalore University, Bangalore during October 26-28, 2006.

Academic Activity

- Was In-charge of First Year Academics(Time table, Internal Assessment) from Aug-2011 to Aug-2013.
- Took the initiative of starting the VTU Semester Examinations from 2011 to till date and hence was given the responsibility as Dean Examinations

Faculty Development Activity

- Attended the **“90th Session of India Science Congress”** held at Jnanabharathi Campus from January 3-7, 2003 organized by Bangalore University, Bangalore.
- **Attended the 37th Course of the International School of Quantum Electronics on “Atoms, Solids and Plasmas in Super-Intense Laser Fields”**, held at Erice, Silicy, Italy from July 5-15, 2003.

- Attended a course on “**Development and application of Algorithms in CFD**” held at Indian Institute of Science, Bangalore during January 7-8, 2003.
- Attended the workshop on “**Modeling of Nano and Smart Materials**” held at Bangalore on March 28-29, 2003 which was organized by UGC-CAS in Fluid Mechanics, Department of Mathematics, Bangalore University, Bangalore.
- Attended the “**Symposium of Advances in Fluid Mechanics**” and presented a poster entitled “Effects of electric field, variation of electrical conductivity and nanostructure mushy layer lining on dispersion of nutrients in synovial joints”, held at Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, on July 24-25, 2003.
- Attended the course on “**Mathematical Modeling of Atmospheric pollution**” 3rd SERC School organized by UGC-CAS for Advanced Studies in Fluid Mechanics, Department of Mathematics, Bangalore University, and Bangalore during December 1-31, 2003.
- Attended a “**Two days symposium on advances in Fluid Mechanics**” organized by UGC-CAS in Fluid Mechanics, Department of Mathematics, Bangalore University, Bangalore during December 9-10, 2004.
- Attended the IV DST-SERC School on “**Mathematical Modeling of Groundwater Quality and Pollution**” organized by UGC-CAS in Fluid Mechanics, Department of Mathematics, Bangalore University, Bangalore during May 2-30, 2005.
- Attended a One Day Workshop on “**Mathematical Neuroscience-An Introduction**” organized by Nonlinear Studies Group, Department of Mathematics, Indian Institute of Science, Bangalore on July 27, 2005.
- Attended a Two Day Symposium on “**Recent Advances in Fluid Mechanics**” organized by UGC-CAS in Fluid Mechanics, Department of Mathematics, Central College Campus, Bangalore University, Bangalore during November 29-30, 2005.
- Attended the DST sponsored Training school on “**Computational Fluid Dynamics with Thrust on Atmospheric Sciences**” organized by UGC-CAS in Fluid Mechanics, Department of Mathematics, Bangalore University, Bangalore during October 26-November 9, 2006.
- One day Work shop on “**Affordable IPR**” held at KASSIA Auditorium, Bangalore on March 90, 2017
- **Three days workshop on NBA** at Dayananda Sagar Academy of Technology and Management(December 2017)

Contact Details

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My Vision

- To prepare the Engg. students to take up Engg. Mathematics seriously during their undergraduate studies.
- Make use of the learnt concepts for their higher studies and also apply to their relevant technical areas .