



## CHIEF PATRON

**PROF. M. VENKATESHWARLU**

Vice-Chancellor, Tumkur University

## PATRONS

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Registrar, Tumkur University

**PROF. PRASANNA KUMAR K.**

Registrar (Evaluation), Tumkur University

**PROF. SHET M. PRAKASH**

Principal, University College of Science  
Tumkur University

**PROF. PATIL MALLIKARJUN B.**

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## ORGANIZING SECRETARY

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## ORGANIZING COMMITTEE

**Faculty members**

Dept. of Mathematics  
University College of Science

**Research Scholars**

DOSR Mathematics, Tumkur University

# INTERNATIONAL CONFERENCE ON ADVANCES IN APPLIED MATHEMATICS

(ICAAM-2024)

**10-11 JANUARY 2024**

(HYBRID MODE)



Organized by

**DEPARTMENT OF MATHEMATICS  
UNIVERSITY COLLEGE OF SCIENCE**



**TUMKUR UNIVERSITY**

**B. H. ROAD, TUMAKURU-572103  
KARNATAKA, INDIA**

In association with

**DEPARTMENT OF STUDIES AND  
RESEARCH IN MATHEMATICS  
TUMKUR UNIVERSITY**

## CALL FOR PAPERS

Original research articles are invited for Offline/Online presentation in any area of Mathematics and allied Sciences. The abstract must be prepared in MS word/LaTeX format (Times New Roman, 12 pt, single line spaced, single column, 200 words). Arrangements are being made to publish the conference proceedings comprising selected research articles, after a thorough peer review, in reputed SCOPUS/ Web of Science/UGC Care listed journals after the conference. The research articles shall be submitted through email at [ucsmathtumkur@gmail.com](mailto:ucsmathtumkur@gmail.com) on or before 24<sup>th</sup> December 2023. Intimation of acceptance will be sent by 28<sup>th</sup> December 2023.

## REGISTRATION DETAILS

Registration Fee	PG/UG students	Research Scholars	Faculty Members/ Industry Persons
Indian Delegates (Offline)	Rs.200/-	Rs. 500/-*	Rs. 800/-*
Indian Delegates (Online)	-	Rs. 300/-	Rs. 500/-
Foreign Delegates	USD 30*		
Account details	Account Number <b>64083430622</b> Finance Officer, Tumkur University State Bank of India, Tumkur University Branch, Karnataka, India		

\*Includes registration kit, working lunch, tea/coffee during the conference. Extra fees have to be paid for accommodation. Separate fees may have to be paid for the publication of the research article in the conference proceedings of a journal.

During the payment of the registration fee, the participant shall mention his/her name and institution's name as remarks. After paying the fee, the participants shall fill the registration form available at the following hyperlink:

<https://forms.gle/WBhvY8287Ub2L9JRA>



## INVITED SPEAKERS

**Prof. Thirupathi Gudi**

IISc, Bengaluru

**Prof. Ismail Naci Cangul**

Bursa Uludag University, Turkey

**Prof. D. Dafik**

Universitas Jember, Indonesia

**Dr. Venkitesh M.**

University of Haifa, Israel

**Prof. M. Venkatachalam**

K. A. S. College, Coimbatore

## ADVISORY COMMITTEE

**Prof. N. B. Naduvinamani**, Gulbarga University

**Prof. P. G. Siddeshwar**, Christ University

**Prof. R. Rangarajan**, University of Mysore

**Prof. Umavathi J. C.**, Gulbarga University

**Prof. B. Sooryanarayana**, Dr. AIT, Bengaluru

**Prof. S. K. Narasimha Murthy**, Kuvempu University

**Prof. B. J. Gireesha**, Kuvempu University

**Prof. H. S. Ramane**, Karnatak University

**Prof. B. Cheluva Raju**, Bangalore University

**Prof. V. Lokesh**, VSK University

**Prof. Vishwanath B. Awati**, RCU, Belagavi

**Prof. Veena Mathad**, University of Mysore

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**Prof. U. S. Mahabaleshwar**, Davangere University

**Prof. Prasannakumara B. C.**, Davangere University

**Prof. C. R. Pradeep**, CIT, Gubbi

**Prof. R. Sumithra**, Nrupathunga University

**Dr. Chandru Hegde**, Mangalore University

**Dr. Prasanna Poojary**, MIT, Bengaluru

**Dr. Nagesh H. M.**, PES University, Bengaluru

## **ABOUT THE CONFERENCE**

The objective of the International Conference on Advances in Applied Mathematics (ICAAM-2024), conducted in hybrid mode, is to promote research in Mathematics and to give the participants a bird's eye view of the various applications of Mathematics in different domains of life. It intends to provide a platform for young researchers & students to interact and exchange their ideas with senior academicians from premier institutes of various countries and delegates from industry, working on different areas of applied Mathematics and explore novel domains of research.

## **ABOUT THE INSTITUTION**

Tumkur University, established in the year 2004 to address the needs of students in higher education in Tumkur district, has gained significance as one of the youngest universities in the country and has been recognized on par with top institutions of national importance in a short span of time. Tumkur University aims to achieve human potential development through committed and dedicated efforts and is ensuring an effective application of integrated and interdisciplinary approaches in its dissemination of knowledge.

University College of Science (formerly Government Science College) was established in the year 1940. In 2010, the college was taken into the fold of Tumkur University as a constituent college. Since its inception, the College has been growing as an institution of pride and reputation and has been recognized by University Grants Commission as a College with Potential for Excellence (CPE).

## **ABOUT THE DEPARTMENT**

The Department of Mathematics is one of the major Departments in the College and offers various courses in Mathematics prescribed by Tumkur University. It also offers various Skill Enhancement Courses such as Data Analysis and Logical Reasoning & Problem solving. The faculty members of the Department are involved in active research in several domains such as Graph Theory, Differential Equations and Fluid Mechanics. In collaboration with the Post Graduate Department of Mathematics, the Department is actively involved in the conduction of various academic and research related activities for both the teaching fraternity and student community.

## **ABOUT TUMAKURU**

Tumakuru, also known as Tumkur, is the district headquarters of Tumakuru district, located northwest of Bengaluru, the capital of the southern state Karnataka of India at an elevation of 2696 feet. Tumakuru is famously known for its various religious places such as Devarayanadurga, Siddaganga Mutt, temples in Kydala, Aralaguppe & Turuvekere carved in Hoysala style and adventurous places such as the Madhugiri monolithic hill, Shivagange and Siddarabetta.

Tumakuru is easily accessible by bus and train from different parts of Karnataka and can be reached by air through the Kempegowda International Airport, Bengaluru. The best time to visit Tumakuru is during winters in the period November-March. The lowest temperature is recorded in the month of December and is about 16<sup>o</sup> C.