



ಕರ್ನಾಟಕ ಸರ್ಕಾರ  
ಕಾಲೇಜು ಶಿಕ್ಷಣ ಇಲಾಖೆ

ದೂರವಾಣಿ: 080-22343904/05

ಕಾಲೇಜು ಶಿಕ್ಷಣ ಆಯುಕ್ತರ ಕಛೇರಿ,  
ಅರಮನೆ ರಸ್ತೆ, ಬೆಂಗಳೂರು-560001.

ಸಂಖ್ಯೆ: ಕಾಶಿಇ/ಶೈವಿ:68:ವಿಜ್ಞಾನ:2016-17

ದಿನಾಂಕ: 05.12.2016.

ಇವರಿಗೆ:

ಜಂಟಿ ನಿರ್ದೇಶಕರು,  
ಕಾಲೇಜು ಶಿಕ್ಷಣ ಇಲಾಖೆ,  
ಪ್ರಾದೇಶಿಕ ಕಛೇರಿ,  
ಬೆಂಗಳೂರು, ಮೈಸೂರು, ಶಿವಮೊಗ್ಗ,  
ಮಂಗಳೂರು, ಧಾರವಾಡ, ಕಲಬುರಗಿ.

ಮಾನ್ಯರೇ,

ವಿಷಯ: ಕರ್ನಾಟಕ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಅಕಾಡೆಮಿಯ 9ನೇ ಸಮ್ಮೇಳನಕ್ಕೆ  
ವಿಜ್ಞಾನ ಅಧ್ಯಾಪಕರುಗಳನ್ನು ನಿಯೋಜಿಸುವ ಬಗ್ಗೆ.

ಉಲ್ಲೇಖ: 1. ಅಧ್ಯಕ್ಷರು, ಕರ್ನಾಟಕ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಅಕಾಡೆಮಿ, ಬೆಂಗಳೂರು,  
ರವರ ಪತ್ರ ಸಂಖ್ಯೆ: ಕವಿತಂಅ/ಸಮ್ಮೇಳನ/9/2016 ದಿನಾಂಕ:25.11.2016.  
2. ಈ ಕಛೇರಿಯ ಸುತ್ತೋಲೆ ಸಂಖ್ಯೆ: ಕಾಶಿಇ/ಶೈವಿ/25/ಸುತ್ತೋಲೆ/2011-12  
ದಿನಾಂಕ: 22.12.2010.

\* \* \* \* \*

ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ರಾಜ್ಯ ಸರ್ಕಾರದ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆಯಡಿ ಸ್ಥಾಪಿತವಾಗಿರುವ ಕರ್ನಾಟಕ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಅಕಾಡೆಮಿಯು ಬೆಂಗಳೂರಿನ ಕ್ರೈಸ್ಟ್ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಸಹಯೋಗದೊಂದಿಗೆ "Science and Technology and Innovation in the 21<sup>st</sup> century" ಎಂಬ ಕೇಂದ್ರ ವಿಷಯದ ಕುರಿತು ದಿನಾಂಕ: 20 ಮತ್ತು 21ನೇ ಡಿಸೆಂಬರ್ 2016 ರಂದು ಎರಡು ದಿನಗಳ ಸಮ್ಮೇಳನವನ್ನು ಕ್ರೈಸ್ಟ್ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಹೊಸೂರು ರಸ್ತೆ, ಬೆಂಗಳೂರು, ಇಲ್ಲಿ ಆಯೋಜಿಸಲಾಗಿರುತ್ತದೆ. ಈ ಸಮ್ಮೇಳನದಲ್ಲಿ ನಾಡಿನ ಶ್ರೇಷ್ಠ ವಿಜ್ಞಾನಿಗಳಿಂದ, ಸಂಶೋಧಕರಿಂದ, ಶಿಕ್ಷಣ ತಜ್ಞರಿಂದ ಹಾಗೂ ವಿಷಯ ಪರಿಣಿತರಿಂದ ಸಮ್ಮೇಳನದ ಕೇಂದ್ರ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ ವಿದ್ವತ್‌ಪೂರ್ಣ ಪ್ರಸ್ತುತಿಯಲ್ಲಿ ವಿಷಯ ಬೋಧನೆಗೆ ಪೂರಕವಾಗುವ ಆಧುನಿಕ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನಗಳ ಬಗ್ಗೆ ಹೆಚ್ಚಿನ ಮಾಹಿತಿ ದೊರೆಯಲಿದೆ. ಅಲ್ಲದೇ, ಮೂಲ ಮತ್ತು ಅನ್ವಯಿಕ ವಿಜ್ಞಾನ ಹಾಗೂ ತಂತ್ರಜ್ಞಾನಕ್ಕೆ ಸಂಬಂಧಿಸಿದ ಸಂಶೋಧನಾ ಪ್ರಾತ್ಯಾಕ್ಷಿಕೆಗಳನ್ನು ಮಂಡಿಸಲು ಸಹ ಅವಕಾಶವನ್ನು ಕಲ್ಪಿಸಲಾಗುತ್ತಿದೆ. ಆದುದರಿಂದ ಸದರಿ ಸಮ್ಮೇಳನದಲ್ಲಿ ರಾಜ್ಯದ ವಿವಿಧ ವಿಜ್ಞಾನ ಪ್ರಥಮ ದರ್ಜೆ ಕಾಲೇಜುಗಳ 50 ವಿಜ್ಞಾನ ಉಪನ್ಯಾಸಕರುಗಳನ್ನು ಪ್ರತಿನಿಧಿಗಳನ್ನಾಗಿ ಕಳುಹಿಸಿಕೊಡುವಂತೆ ಉಲ್ಲೇಖ (1)ರ ಪತ್ರದಲ್ಲಿ ತಿಳಿಸಲಾಗಿರುತ್ತದೆ.

ಈ ಸಂಬಂಧ, ತಮ್ಮ ಕಛೇರಿ ವ್ಯಾಪ್ತಿಗೊಳಪಡುವ ಸರ್ಕಾರಿ ಹಾಗೂ ಖಾಸಗಿ ಅನುದಾನಿತ ಪ್ರಥಮ ದರ್ಜೆ ಕಾಲೇಜುಗಳಿಂದ ವಿಜ್ಞಾನ ವಿಷಯಗಳನ್ನು ಬೋಧಿಸುವ 7-8 ಅಧ್ಯಾಪಕರುಗಳನ್ನು ಉಲ್ಲೇಖ (2)ರ ಸುತ್ತೋಲೆಯಲ್ಲಿನ ನಿಬಂಧನೆಗಳಿಗೊಳಪಟ್ಟು, ಸದರಿ ಸಮ್ಮೇಳನಕ್ಕೆ ನಿಯೋಜಿಸಲು ಅಗತ್ಯ ಕ್ರಮಕೈಗೊಳ್ಳುವಂತೆ ಸೂಚಿಸಲಾಗಿದೆ.

ಮುಂದುವರೆದು, ಸದರಿ ಸಮ್ಮೇಳನದಲ್ಲ ಭಾಗವಹಿಸುವ ವಿಜ್ಞಾನ ಅಧ್ಯಾಪಕರುಗಳಿಗೆ ಹಾಜರಾತಿ ಪ್ರಮಾಣ ಪತ್ರವನ್ನು ಒಪ್ಪಿಸುವ ನಿಬಂಧನೆಗೊಳಪಟ್ಟು ಅನ್ಯಕಾರ್ಯನಿಮಿತ್ತ ರಜೆಯನ್ನು ಮಂಜೂರು ಮಾಡಲಾಗಿದೆ.

**ಹೆಚ್ಚಿನ ಮಾಹಿತಿಗಾಗಿ:**

ಡಾ. ಎ. ಎಂ. ರಮೇಶ್, ಹಿರಿಯ ವೈಜ್ಞಾನಿಕಾಧಿಕಾರಿ.

ಕರ್ನಾಟಕ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಅಕಾಡೆಮಿ,

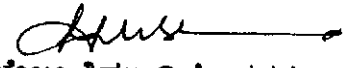


'ವಿಜ್ಞಾನ ಭವನ' ನಂ. 24/2 ಮತ್ತು 24/3 (ಬಿ.ಡಿ.ಎ. ಕಾಂಪ್ಲೆಕ್ಸ್ ಹತ್ತಿರ)

21ನೇ ಮುಖ್ಯರಸ್ತೆ, ಬನಶಂಕರಿ 2ನೇ ಹಂತ, ಬೆಂಗಳೂರು - 560 070.

ದೂ: 080 - 26711160 ಮೊ: 9845258894 ಈ-ಮೇಲ್: [ksta.gok@gmail.com](mailto:ksta.gok@gmail.com).

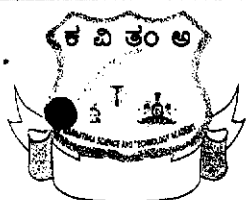
ಆಡಳಿತ: ಸಮ್ಮೇಳನದ ರಿಟುನ್ಸ್‌ಗೆ ತಿಳಿಸಿ

ತಮ್ಮ ವಿಶ್ವಾಸಿ,

  
ಕಾಲೇಜು ಶಿಕ್ಷಣ ನಿರ್ದೇಶಕರು  
Al  

**ಪ್ರತಿಯನ್ನು:**

1. ಅಧ್ಯಕ್ಷರು ಕರ್ನಾಟಕ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಅಕಾಡೆಮಿ, 'ವಿಜ್ಞಾನ ಭವನ' ನಂ.24/2 ಮತ್ತು 24/3 (ಬಿ.ಡಿ.ಎ. ಕಾಂಪ್ಲೆಕ್ಸ್ ಹತ್ತಿರ), 21ನೇ ಮುಖ್ಯರಸ್ತೆ, ಬನಶಂಕರಿ 2ನೇ ಹಂತ, ಬೆಂಗಳೂರು - 560 070.
2. ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ ಅಧಿಕಾರಿಗಳು, ಕೇಂದ್ರ ಕಛೇರಿ, ಬೆಂಗಳೂರು - ಇಲಾಖಾ ವೆಬ್‌ಸೈಟ್‌ನಲ್ಲಿ ಅಳವಡಿಸಲು ತಿಳಿಸಲಾಗಿದೆ.
3. ಕಛೇರಿ ಪ್ರತಿ.



**CHRIST**

DECLARED AS DEEMED TO BE UNIVERSITY UNDER SECTION 3 OF JBC ACT 1956

**Karnataka Science and Technology Academy (KSTA)**

Department of Science and Technology, Government of Karnataka  
in association with

**Christ University, Bengaluru**

Organises

**9<sup>th</sup> KSTA Annual Conference**

Date: December 20 - 21, 2016  
(Tuesday & Wednesday)

Venue: Main Auditorium, Christ University, Bengaluru - 560 029

**Theme : Science, Technology and Innovations in the 21<sup>st</sup> Century**

**Conclave of Young Researchers & Science Promoters**



**Objectives :**

- To disseminate information about advances in S&T
- To promote scientific temper & attitude
- To encourage education in science and research & development
- To popularise S&T developments
- To provide an opportunity for networking & exchange of information

**Mega S&T Event**

**Poster Presentation**

**Registration  
Fee  
Rs. 100/-**

**Platform to Showcase**



**Excellent  
Genuine  
Innovative  
Ingenuous  
Novel  
Original**



**Ideas & Research Outcomes**

**Who can present posters?**

- \* UG & PG Students
- \* Doctoral & Research Scholars
- \* Young Scientists (< 45 yrs.)

**Which disciplines/subjects?**

- Physical & Mathematical Sciences
- Chemical & Life Sciences
- Interdisciplinary Sciences
- Engineering Sciences (any branch)

**Prize for best posters**

- I Prize - Rs. 7,500/-
- II Prize - Rs. 5,000/-  
(for each discipline)

Last date for submission of abstracts: November 22, 2016 (Tuesday)

Abstract to be emailed to [kstaconference2016@gmail.com](mailto:kstaconference2016@gmail.com)

For more details, please visit [www.christuniversity.in/](http://www.christuniversity.in/) / [www.kstacademy.org](http://www.kstacademy.org)

Note: Decision of the Panel of Experts shall be final and binding on all poster presenters.

**Contact Details :**

**Dr A M Ramesh**

Sr. Scientific Officer

Karnataka Science and Technology Academy (KSTA)

DST, GoK, #24/2, 21st Main Road, Banashankari 2nd Stage, Bengaluru-560 070

Tel: +91 80 2671 1160 / 2789; Fax: +91 80 2671 1160

**Dr Anil Joseph Pinto**

Registrar

Christ University

Hosur Road, Bengaluru - 560 029

Tel: 91 80 4012 9341/ 91 80 4012 9150

Email: [kstaconference2016@gmail.com](mailto:kstaconference2016@gmail.com)

## AWARD OF CASH PRIZES

To encourage excellence in research / innovation, the selected posters in physical & mathematical sciences; chemical & life sciences; interdisciplinary sciences and engineering sciences (any branch) will be awarded cash prizes as given below:

- I Prize — Rs. 7,500/-
- II Prize— Rs. 5,000/-  
(for each discipline)

The panel of experts may increase or decrease the number of awards based on number of entries received and quality of research.

The decision of the panel of experts shall be final and binding on all participants.

Awards for the best poster presentations will be announced and distributed in the valedictory/function.

## GUIDELINES FOR SUBMISSION OF POSTER ABSTRACTS

Research posters are invited from UG & PG Students, Doctoral & Research Scholars and Young Scientists / Researchers. In the poster session, each presenter will be given space to display his/her research outcomes in the form of posters (size of each poster — 3 x 2½ ft).

As all posters exhibited during the conference must be manned by the first author, multiple entries will not be entertained. A compendium of selected abstracts will be brought out and circulated to all the delegates during the conference.

Selected posters should be set up by 8:30 am on December 20, 2016 (Tuesday) prior to the inauguration at 9:30 am.

Delegates will be free to view posters during tea breaks. Hence, presenters of the posters are requested to be available to discuss with the delegates during the tea breaks.

The posters must be removed at the end of the conference at 5:00 pm on December 21, 2016 (Wednesday).

### Submission of Abstracts and Poster Presentation

- Extended abstract should not exceed 750 words.
- Type set should be in font size -12 in Times New Roman with double line space.

- Abstract should be mailed to Email ID: [kstaconference2016@gmail.com](mailto:kstaconference2016@gmail.com) latest by November 22, 2016 (Tuesday).
- Abstracts received after November 22, 2016 (Tuesday) will not be considered for the conference.
- Authors should provide their postal address, email, Fax and mobile number.
- The selection committee reserves the right to accept or reject the submitted abstract.
- Papers already published or presented elsewhere including prize winning posters in previous KSTA Signature Event and Regional Conferences will not be accepted.
- Plagiarism of any kind is ground for disqualification.
- Authors have to specify the discipline to which the abstract/poster belongs.

A panel of domain experts will review the posters based on originality of research, objectivity, utility to society and quality of presentation and decide on award of cash prize.

Authors of selected posters should make an oral presentation for 5 minutes to be considered for the cash prize.

Authors should submit self certification/declaration stating that the submitted abstract/poster was not published elsewhere.

Poster presentation competition is restricted to UG & PG students, doctoral/research scholars and young researchers.

Time slot for evaluation of posters of each discipline will be assigned during the evaluation period so as to avoid gathering of all poster presenters at the same time.

Authors of posters selected for oral presentation will be intimated on the evening of December 20, 2016 (Tuesday).

## REGISTRATION

A nominal registration fee of Rs. 100/- has been fixed for each delegate. The amount has to be sent through DD favouring Member Secretary, Karnataka Science and Technology Academy, Bengaluru.



CHRIST

**Karnataka Science and Technology Academy (KSTA)**

Department of Science and Technology, Government of Karnataka

Vijnana Bhavan, No. 24/2, Near BDA Complex, 21<sup>st</sup> Main,

BSR II Stage, Bengaluru-560 070

Telefax: +91-80-2671 1160

Email: [ksta.gok@gmail.com](mailto:ksta.gok@gmail.com)

Website: <http://www.kstacademy.org>

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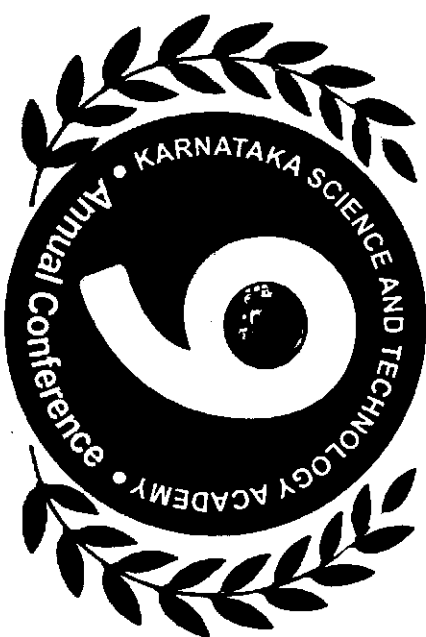
**Christ University**

Hosur Road, Bengaluru 560029

Phone : 080-4012 9341/9150

[www.christuniversity.in](http://www.christuniversity.in)

**Jointly Organise**



'Theme'

**Science, Technology and Innovations  
in the 21<sup>st</sup> Century**

**Conclave of Young Researchers & Science Promoters**

Date: December 20-21, 2016

(Tuesday & Wednesday)

**Venue**

**Main Auditorium**

Christ University, Hosur Road

Near Dairy Circle, Bengaluru-560 029

## NINTH KSTA CONFERENCE

Science, Technology and Innovations (STI) are globally recognised as the key drivers for economic growth and societal well-being. STI are the bedrock of a successful economy, especially as nations are moving towards knowledge-based economy. They are particularly important to raise living standards, create wealth and to alleviate degradation of natural resources and biodiversity. Besides, STI hold the key to obtain sustainable solutions to many of the challenges that developing countries are facing today as well as to become a major force towards gaining competitive edge over others.

STI have potential to meet developmental challenges through acceleration of the pace of discovery and delivery of solutions for faster, sustainable and inclusive growth. As a result, understanding STI processes and exploring ways to strengthen them is considered to be an intellectual activity in the 21<sup>st</sup> century.

STI continue to advance at an increasingly rapid pace, which have tremendous impact for increased food production, improved health care, low mortality and faster drug development, clean water and sanitation, environmental remediation, data gathering and dissemination at a rapid pace, thus facilitating societal development.

India, being a populous and developing country has innumerable challenges such as hunger, poverty, health issues, illiteracy and environmental degradation. Harnessing potentials of STI to address these challenges would enable in finding sustainable and cost-effective solutions to the problems that plague our society and to enhance the quality of life in the 21<sup>st</sup> century.

In addition to a variety of current issues, numerous emerging problems need to be addressed in the future. In view of this, communication of knowledge of STI plays a pivotal role in formulating the policy on science related issues, popularizing science, improving scientific literacy and thus serve as a driving force in socio-economic development.

According to MIT Technology Review, Bengaluru is one of the eight largest technology innovation clusters in the world.

Furthermore, the city is one among the top twenty influential startup ecosystems in the globe. Thus, many startups are rising and shining in Bengaluru. In addition, the city is endowed with several leading research establishments like – IISc, RRI, JNCASR, ISRO, IIA, NAL and so on. Considering this, Karnataka Science and Technology Academy (KSTA) in association with Christ University is organizing Ninth Annual KSTA Conference on **Science, Technology and Innovations in the 21<sup>st</sup> Century** during December 20-21, 2016 (Tuesday & Wednesday) in Bengaluru to create an awareness on innovative research and development that are being carried out by various scientific institutions in the country. Distinguished lectures by eminent scientists and scholars on various science and technological developments are being organized during the conference.

KSTA conferences, over the years, have been providing a unique platform for students, research scholars, academicians, officials and scientific community from diverse disciplines to deliberate on two-way commitment of science to society and society to science. In addition, delegates will have an opportunity to present their ideas and research outcomes in the form of posters.

## CONFERENCE OBJECTIVES :

- To bring awareness on the developments in science and technology for human welfare among different sections of the society
- To create interest in scientific and technological developments as well as to broaden horizon of knowledge among students
- To foster understanding of scientific developments and advancements

## LIFETIME ACHIEVEMENT AWARD

During the conference, a senior distinguished scientist who has made outstanding contribution in the field of science and technology will be honoured with “KSTA Lifetime Achievement Award.”

## KARNATAKA SCIENCE AND TECHNOLOGY ACADEMY (KSTA)

KSTA was established by the Government of Karnataka under the Department of Science and Technology in July 2005. It is Chaired by distinguished Space Scientist Prof. U R Rao, Former Chairman, Indian Space Research Organization / Secretary, Department of Space, Government of India. KSTA has 21 members comprising eminent scientists, well-known educationists and senior administrators. KSTA has been playing a pivotal role in providing impetus for education in basic science and engineering as well as for popularization of science among different sections of society. In this context, KSTA has been carrying out a number of dovetailed programmes to encourage students pursuing education at different levels in an educational pyramid as well as popularisation of science among general public. One of the successful programmes that KSTA has been organizing is the annual KSTA conference in association with an educational institution/university.

## CHRIST UNIVERSITY

Christ University was established as Christ College in 1969 under Bangalore University. UGC conferred Autonomy to the institution in 2004 and Institution with Potential for Excellence status in 2006. On the recommendation of the UGC, the Ministry of Human Resources Development, declared the institution a Deemed to be University in 2008. For Science, the institution has been ranked among the top 10 in the country for the last 10 years and number 1 in Karnataka.

The University offers 45 undergraduate, 46 postgraduate, 16 MPhil and 17 PhD programmes in Science, Social Sciences, Humanities, Commerce, Management, Education, Law and Engineering. With its focus on teaching, research and service, Christ University is a nurturing ground for the holistic development of students. The University educates over 18,000 students from all the states of India and 58 other countries from diverse socio-economic backgrounds. In keeping with its philosophy of inclusive education, the University has been offering fee concessions for the needy and deserving students and scholarships for meritorious students.