

REGISTRATION AND FEE

Registration for conference is open to UG & PG Students, Doctoral & Research Scholars, Scientists / Researchers, Teaching Faculty, Officers of various Departments, Science Writers and interested general public. For registration as a delegate, fill-in the registration form and mail to kstaguk18@gmail.com

ACCOMMODATION

Limited accommodations will be available on first come first serve basis in university hostels and guesthouses.

DATES TO REMEMBER

Registration & Abstract submission on or before 15th FEBRUARY 2018

Acceptance letter: 1st March 2018

Note: Participation certificates and travel allowance (II Class train fare from nearest railway station only) for selected and registered delegates will be given only after the valedictory function (around 5.30 pm). Hence, travel itinerary may be planned accordingly.

EMINENT SPEAKERS

Dr. V. Jayaraman

Former Director
National Remote
Sensing Centre,
ISRO, Hyderabad

Dr. S. N. Hegde

Former Vice Chancellor,
University of Mysore

Shri Basavaraj Patil

Director (R & D),
Research Foundation, Bengaluru

Dr. P. P. Majumdar

Professor, IISc, Bangalore

Dr. S. S. Krishna Kumar

Principal Research Scientist &
Centre for Study of
Science Technology & policy
Bangalore

Dr. P. Venkataramaiah

Former Vice Chancellor
Kuvempu University,
Shimoga

Prof. P. Nagabhushan

Director, Indian Institute of
Information Technology,
Allahabad

Prof. C. Manoharachari

Former Professor,
Osmania University,
Hyderabad

Dr. M. Sanjappa

CSIR, Emeritus Scientist, UASB
Former Director Botanical
Survey of India

Chief Patron : Dr. S.K. Shivakmar

Chairman KSTA,
Former Director ISAC/ISTRAC, ISRO,GOL

Patrons: Prof S. R. Niranjana

Vice Chancellor, Gulbarga University, Kalaburagi,

Dr. P. S. Shankar,

Former Principal MRM&C & KSTA Member

Dr. H. Honne Gowda

Special Director (Technical),
DST-CEO & Member Secretary KSTA

STEERING COMMITTEE

Prof. Dayananda Agsar, Registrar, GUK
Prof. D. M. Madri, Registrar, (Evaluation), GUK
Prof. Rajnalkar Laxman, Finance Officer, GUK
Prof. A Venkataraman, Dean S&T,GUK
Prof. R L Raibaghkar, Chairman, Dept of Applied Electronics,GUK
Prof. V M Jali, Chairman, Dept of Physics,GUK
Prof. G M Vidyasagar, Chairman, Dept of Botany,GUK
Prof. Ramesh Londonkar, Chairman, Dept of Biotechnology,GUK
Prof. Vandana Rathod, Chairperson, Dept of Microbiology, GUK
Prof Parmajyothi S, Chairperson, Dept of Biochemistry, GUK
Prof. K Siddappa, Chairman, Dept of Chemistry, GUK
Dr. Shivananda Ruma, Chairman, Dept of Computer Science,GUK
Dr. Murali Jadesh, Chairman, Dept of Zoology, GUK
Dr. Prakash Kariajjanavar, Chairman, Dept of Env. Sciences,GUK
Dr. A M Ramesh, Senior scientific Officer KSTA Bengaluru
Dr. Anand R, Scientific Officer II, KSTA Bengaluru
Sri Srinivas V. K. Scientific Officer
Sri Umesh V. G. Scientific Officer
Sri Mahadeve Gowda, AO

CONTACT PERSONS

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Visit conference website: www.kstaconference.com
www.gulbargauniversity.com



Gulbarga University, Kalaburagi

and

Karnataka Science and Technology Academy (KSTA)

Department of Science and Technology, Govt. of Karnataka

Jointly Organise

National Conference on

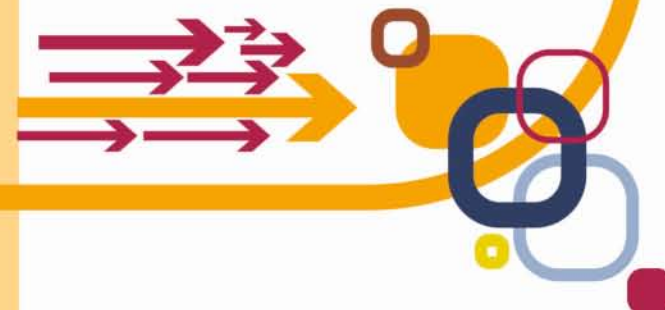
“Science and Technology for Inclusive Development”

Conclave of Young Researchers & Science Promoters

Date: Tuesday, 6th & Wednesday, 7th March 2018

Venue: Dr. B. R. Ambedkar Bhavan, GUK

Science and Technology (S&T) are key drivers to development in the present globalised knowledge - driven economy. Modernization in every aspect of life is the greatest example of implementation of S&T in every nation. With the introduction of modern gadgets in most of the spheres, life has become simple and this has been possible mainly due to implementation of scientific and technological advancements. Without advancements of S&T in different sectors such as agriculture, medicine, electronics & communications, computing & data science, ICT, space technology, nanotechnology, robotics or any other field, it would not have been possible for the humanity to harness their benefits for better living. In view of this, it is well recognized now that there is a distinct relationship between the S&T capability and economic well-being of a nation.



In the last century, advances in electronics & communications have opened endless & exciting possibilities in almost every sphere of human activities. Those apart, new scientific fields have appeared and continue to carve out their niches in the general field of S&T. One such new field is nanotechnology, which has been creating waves across the sectors. The enabling nature and ability to develop along with existing technologies makes this latest sunrise technology, a more versatile tool to address many key developmental challenges in diverse sectors. Another area that has emerged as an ambitious new scientific field is data science, which aims to translate data into insight & intelligence for decision making. While in the field of agriculture, smart farming technologies are expected to reduce farming cost considerably and also maximise yields to meet food security needs. Further, the space science research is having a major impact on our lives. The space technology enabled ICT has provided an inexpensive and instant access to information and data banks along with overcoming communication barriers between countries & communities. Because of this, there has been accelerated accumulation, diffusion and use of scientific knowledge, which has been reshaping our world. However, the future space research will concentrate on space colonies, search for extra terrestrial intelligence and planetary explorations.

Thus, S&T are being increasingly recognized as the foundation for sustainable development as well as the best hope for a better future for humanity, as they have much to offer in finding suitable solutions for many of the present and future challenges. Considering this, KSTA in association with Gulbarga University is organizing KSTA National Conference on “**Science and Technology for Inclusive Development**” during March 6-7, 2018 (Tuesday & Wednesday) in Kalaburagi (earlier known as Gulbarga) to create an awareness on innovative research and development by organising distinguished lectures from eminent scientists and renowned technocrats. 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, young researchers 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 the horizon of knowledge among students
- To foster understanding of scientific developments and advancements for future of humanity

ABOUT KSTA

“**Karnataka Science and Technology Academy (KSTA)** Karnataka Science and Technology Academy (KSTA) is an autonomous organization under the Department of Science and Technology, Government of Karnataka, which was established under the Chairmanship of distinguished Space Scientist Padma Vibhushan Late Prof. U. R. Rao, Former Chairman, ISRO/Secretary, DOS, GOI. Consequent to the sad demise of Prof. Rao, Dr. S. K. Shivakumar, Former Director, ISAC/ISTRAC, ISRO, Govt. of India has taken over as Chairman of KSTA, which has 20 members comprising eminent scientists, well-known educationists, and senior administrators. Dr. H. Honne Gowda, Special Director (Technical), DST is the CEO & Member Secretary of KSTA. KSTA has been playing a pivotal role in providing impetus for basic science and engineering education as well as for popularizing science among different sections of society. A number of tailor made programmes are being organised to encourage students pursuing education at different levels in an educational pyramid as well as to bring awareness among general public. One of the successful programmes of KSTA has been organisation of an annual KSTA conference.

GULBARGA UNIVERSITY, KALABURAGI

Gulbarga University, Kalaburagi has been established as a pioneer center for teaching and research on diversified areas in various disciplines, including Science and Technology, Arts, Languages, Humanities, Education, Commerce and Management and Law. The University since its inception from 1980 onwards has been continuously achieving laurels in academics, research, extension activities, consultancy and all round development. The University is proud to have generated funding for teaching and research from many funding agencies in a span of 37 years of its existence and the activities in this direction are ever increasing. Core and Applied Science Departments of Gulbarga University are working in the frontier areas of Science and Technology. Many of these departments are funded with SAP, Non SAP, FIST, Innovative and other programs.

KALABURAGI

Kalaburagi, the largest city of the Hyderabad Karnataka region in Karnataka, is variously known as Sun City of Karnataka. Kalaburagi feels extreme level weather variation with respect to the season. The weather in March is just beginning of summer heat. The temperature varies from 25 to 30°C. The city is well connected by rail and road from all corners of India. The city is surrounded with few historical places. The city has ancient temple of Shri Sharanabasaveshwara and Khaja Bande Nawaz Darga which represents the Hindu-Muslim cooperation since antiquity. Notably recently established Buddha Vihar in the outskirts of Gulbarga University, Shri Dattatreya Temple Ganagapur, Shri Raghavendra temple Mantralayam are the places worth to visiting for people of all ages and all walks of life.

CALL FOR PAPERS

Papers are invited on the following branches of sciences from students, researchers and academicians and also college teachers.

Major thematic areas for submission of research papers

- **Chemical, Nano and life Sciences**
- **Medical, Pharmacy and Ayurvedic Sciences**
- **Physical, Mathematics and Computer Sciences**
- **Engineering Sciences**

LANGUAGE

English will be the official language of the national conference

POSTER PRESENTATION

Research posters are invited from UG & PG Students, Doctoral & Research Scholars and Young Scientists / Researchers & interested Govt. officials. 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 (The Presenter), 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 and accepted posters should be set up by 09:00 am and 2:30 PM on March 6-7, 2018 as per their programme schedule. Delegates will be free to view posters during tea breaks.

GUIDELINES FOR SUBMISSION OF ABSTRACTS

- Extended abstract should not exceed 750 words.
- Type set should be in font size -12 in Times New Roman with 1.15 line space.
- Abstract should be mailed: kstaguk18@gmail.com latest by 15th FEBRUARY 2018 . along with duly filled registration form.
- 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 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. The decision of the panel of experts shall be final and binding on all participants.
- Authors of selected abstracts should make 5 minutes presentation before an expert committee for final selection of prize winners.
- Authors should submit self certification/declaration stating that the submitted abstract/poster was not published elsewhere.
- Poster presentation competition is restricted to PG students, doctoral/research scholars and young researchers, below the age group of 35 years.
- 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 day of inauguration.

AWARD OF CASH PRIZES

To encourage excellence in research / innovation, the best posters in physical, mathematical & computer sciences; chemical, Nano & life sciences; Medical, Pharmacy and Ayurvedic Sciences & engineering sciences (any branch) will be awarded cash prizes for each discipline as given below:

**I Prize – Rs. 10,000/- II Prize – Rs. 7,500/-
Consolation Prizes (2) – Rs. 5,000/-**

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

