



INDIA SCIENCE AND INNOVATION WEEKLY

Ask the right questions, and nature will open the door to her secrets.

- Dr. C.V. Raman, The Nobel Prize in Physics 1930

Study on algal movement

A new study from the Indian Institute of Science (IISc), Bengaluru describes how certain algae collectively sense and respond to light, a phenomenon called phototaxis. Phototaxis is important even in artificial systems such as micro-propellers or micro-robots.

World Conference on SDGs 2030

The Conference took place from 19-21 November in New Delhi. It is being jointly organized by the Ministry of Health & Family Welfare (MoHFW) and WHO, in collaboration with ICMR, BIRAC, and Translational Health Science and Technology Institute (THSTI). The National Guidelines for Gene Therapy Product Development and Clinical Trials was released

Research in Diabetes

A research from CSIR – Center for Cellular and Molecular Biology (CSIR-CCMB) shows the role of a protein (Secretagogin; SCGN) that is responsible in increasing insulin action in obesity-induced diabetes.

Smart Microscopy Solution

Researches from the Central Scientific Instruments Organisation (CSIO), under CSIR, developed a smart microscopy solution which can acquire or use stored microscopic images of blood samples for the quantification of RBCs and WBCs. It is a telepathology-based technique, which can be operated by any technician and reports can be sent to the experts. It will be a useful tool particularly for remote and inaccessible rural areas.

Swasraya Bharat Science Fest in Kerala

Swasraya Bharat, the Kerala Science Fest, is being held from November 23 to 26 at Marine Drive, in Kochi, Kerala. A seminar on “Climate Change and Extreme Weather Events” was organised on the first day where students could interact with a panel of scientists from reputed institutions.

Shanghai Cooperation Organisation – Science & Innovation

India will host the Shanghai Cooperation Organisation (SCO) Forum of Young Scientists and Innovators in 2020. India will also host the Council of Heads of Government (Prime Ministers) of SCO Member States in 2020, which will approve the Draft SCO Roadmap on cooperation between research institutions of SCO Member States for the period 2021-2023.

CSIR becomes WAITRO member

Council of Scientific and Industrial Research (CSIR) has become a member of the World Association of Industrial and Technological Research Organizations (WAITRO). CSIR now can participate in HORIZION 2020 and HORIZION EUROPE consortia. WAITRO currently has 160 Member organizations from 78 countries.

Regional Science and Technology Cooperation in Meteorology

To strengthen the Metrology Infrastructure of the SAARC region with the provision of technical expertise, CSIR-National Physics Laboratory (NPL) as National Metrology Institute (NMI) of India organized “SAARC-PTB Preparatory Workshop on Inter-laboratory Comparisons for Length and Volume” from 19-21 November.

Bengaluru Tech Summit 2019

Bengaluru Tech Summit 2019, Asia’s largest technology Summit, took place on 18-20 November in Bengaluru. In its 22nd edition, the conference and exhibition has international participation from 21 countries, 12350 attendees, 262 speakers, and 1500 CXOs.

Special Update: Global Bio-India 2019

The 1st edition of Global Bio-India 2019 took place from 21-23 November in New Delhi. It is a mega international conglomerate of biotechnology stakeholders. organized by Department of Biotechnology (DBT), Ministry of Science & Technology and Biotechnology Industry Research Assistance Council (BIRAC). The associated partners for this event were Confederation of Indian Industry (CII), Association of Biotechnology Led Enterprises (ABLE) and Invest India.

Three reports were released: *Assessment of Indian Biotechnology Landscape, India Bioeconomy Report 2019*, and *India: The Emerging Hub for Biologics and Bio-similars*. The Global Bio-India catalogue was also released. An initiative Bio Angels was announced that would bring together more than angel investors, HNIs, early-stage VCs, 10 corporate/family officers leading to 150 investments in three years in Biotech startups. A programme ‘India Accelerator Platform for Healthcare Innovations’ was also announced by the United Nation’s Health Innovation Exchange (UNHIE), Biotechnology Industry Research Assistance Council (BIRAC) and Social Alpha. It is conceived as a unique programme that aspires to unlock the potential of the Indian medical technologies and digital health innovations through adoption of 100 Indian innovations in the next five years.