



SBC(I)

NEWSLETTER

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Email: sbcihq@gmail.com

<http://www.sbcihq.in>

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Dear Friends,

We are going through one of the biggest crisis ever faced by mankind. The coronavirus pandemic is having a "deep impact" on almost every sector and has resulted in unprecedented collapse of economic activities across the globe. Even though deep down inside we try to convince ourselves that "everything will be back soon", we must accept that Covid-19 is here to stay, as suggested by many health experts. Hence, adaptability is the only key to survival in this situation. Sooner than later, we will be in a situation where our homes will provide space for the so-called mini office, and therefore all organizations should prepare them for this kind of a setup. Despite the fact that almost all organizations are now trying to revamp their work environments to come in line with such requirements, there is a need for a universal policy to guide each work sector in this regard.



Coming to the education sector, it is pertinent to mention that even before this pandemic took shape, "digital learning" attracted attention of many educationists, schools and universities. Many start-ups have also emerged victorious in imparting knowledge in the form of "e-classrooms". However, it should be admitted that most of this "digital learning" was by and large restricted to private schools and universities. Even though attempts have been made by the HRD (Human Resource Development) ministry in this regard by introducing portals like e-Pathshala and NPTEL, further impetus is required to make these platforms "a mainstay". Of note, such technologies must reach the government schools, colleges and universities so that curriculum is never hampered even in crisis situations.

Another critical concern that digital teaching faces is the future of "laboratory-based courses". Hands-on practice is essential for developing the skills in budding scientists who will do many relevant experiments in future for the advancement of science. Moreover, practical teaching also has its own set of advantages for school students. Firstly, students enjoy doing experiments. Secondly, the knowledge is imbibed to much greater extent as compared to simply listening to lectures. We must try to fill this lacuna using innovative ways of incorporating laboratory teaching into e-learning.

These changing times has also necessitated SBC to accommodate its functioning. Given the present scenario, holding its annual meetings which attracts large gathering of scientists from across the country is not feasible. In addition, even holding regular executive committee (EC) meetings etc., at SBC headquarters has also become a remote possibility.

The immediate fallout of the present scenario was for SBC to conduct its first virtual EC meeting in June 2020 which was well attended by a larger number of members than usual because of omission of necessity of travel to SBC headquarters. Online activities and meetings are going to be new normal from hereon. Likewise, the local chapter could also organize virtual events including invited lectures and symposia. For the same reason this year's SBC annual meeting cannot be held in December 2020 as previously planned. The Executive Committee decided that the 89th Annual Meeting of SBC(I) 2020 will be postponed to December 2021 owing to uncertainty arising from the COVID-19 pandemic. However, we decided that honouring the traditions, SBC lecture awards nominations will be invited this year also. The selected awardees will be requested to give award talks in December 2020 on

Kindly note the change in the website address: <http://www.sbcihq.in>

88TH ANNUAL MEETING OF SBC(I): BEST POSTER AWARDS 2019

B. S. Narsinga Rao Best Poster Award

- Mr. Amrendra Kumar**
IISc Bengaluru
Role(s) of acetylation in pathophysiology of *Helicobacter pylori*
- Ms. Vishwa Gandhi**
BARC, Mumbai
Combinatorial effect of an organoselenium compound (BARC-X) and γ -radiation on the growth of lung carcinoma cells

D.P. Burma Poster Award

- Ms. Devanshi Khare**
BARC, Mumbai
Characterization of a putative cadmium translocation PIB-type ATPase from the uranium tolerant bacterium *Chryseobacterium* sp. Strain PMSZPI
- Ms. Monalisa Misra**
NIT Rourkela, Odisha
Nanoparticles taken through oral route acts as a behavioral teratogen: a lesson learnt from fruit fly

P.R. Sudhakaran Poster Award

- Ms. Neha Singh**
ICMR-NIRRH, Mumbai
Germ cells control Testicular Tubulogenesis during Mouse Gonad Development

U.K. Misra Best Poster Award

- Ms. Kandahalli V. Abhilasha**
Univ. of Mysore, Mysore
p38 MAP-kinase inhibitor protects against platelet activating factor induced death in mice

Best Poster Awards

- Mr. B. Goyal**
TIET, Patiala, Punjab
Identification of potential inhibitors against β 2m aggregation in Dialysis-related amyloidosis by computational screening and molecular dynamics simulations
- Ms. Salini S**
RGCB, Thiruvananthapuram
Expression of mycobacterial error prone polymerase DnaE2 contributes to mutagenesis and survival fitness in bacterial biofilm
- Mr. Dhirendra Kumar Sharma**
BARC, Mumbai
Genetic studies on the roles of natural transformation genes in repair and survival of *D. radiodurans*
- Mr. Prakash Kelwani**
BARC, Mumbai
Biochemical characterization of Alr1562: The CRISPER-associated protein 7 (Cas7) from *Anabaena* PCC 7120
- Mr. Bagavathy S Karthikeyan**
IMSc, Chennai
A curated knowledgebase on endocrine disrupting chemicals enabling mechanistic insights into systems-level perturbations upon exposure
- Ms. Addepally Uma**
JNTUH, Hyderabad
Comparative analysis of various types of pretreatments of Rice straw and its effect on enzymatic saccharification
- Ms. Reema Devi Singh**
BARC, Mumbai
Radiation as a stressor for rapid lipid induction in microalgae *Chlorella sorokiniana*
- Ms. Reema Chaudhary**
BARC, Mumbai
DivIVA is an essential protein in radioresistant coccus bacterium *Dainococcus radiodurans*