

Seminars/Workshops (2020-21)

Report on National Science Day 2021

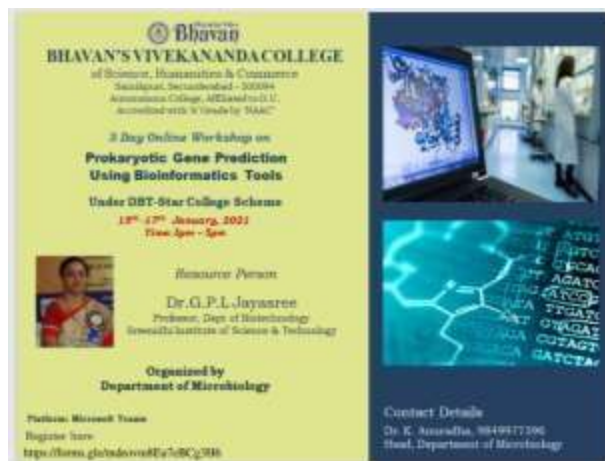
The Departments of Life Sciences organized National Science Day celebrations on 27th February 2021, with an overwhelming participation of 208 student participants. The chief guest for the session was Dr. Appa Rao Podile, Vice Chancellor University of Hyderabad. He gave an insight on Therapeutic Bio manufacturing, Bio synthetic Organisms and Plant Tissue Engineering. Dr. Ramjee Pallela, COO, Atal Incubation Center, CCMB gave an excellent talk and threw light on funding processes involved in research. Two student activities were conducted by the departments, namely, e-Quiz on Covid - 19 Pandemic and e-Poster on "Recent Innovations in Medical Diagnostics". The number of participants for e Quiz was 456. Ten best e-Posters were shortlisted for presentation the e-posters was judged by Dr. V Sritharan, GMERF (Retd). The National Science Day 2021 celebrations was an enriching and successful event



Workshop on Prokaryotic gene prediction using bioinformatics tools

Department of Microbiology organized a three day online workshop from 15th -17th January 2021, on Bioinformatics tool for *Prokaryotic gene prediction* under DBT- Star college scheme. Dr. G.P.L.Jayasree, Professor in Department of Biotechnology, Srinidhi Institute of Science and Technology was the resource person. Total 30 undergraduate students have participated in the workshop which was scheduled in afternoon sessions. First day workshop started with basics on Sequence alignments pair wise and multiple

types using *EMBOSS* and *WATER* algorithms. Second day i.e on 16th January, 2021 prokaryotic gene prediction basics were explained followed by hands on session with *ORF Finder*. Third day session was conducted on Gene structure and function with a hands on session with *DNA functional site miner*. This workshop was organized as skill enhancement programme for students at undergraduate level and concluded with student assignments.

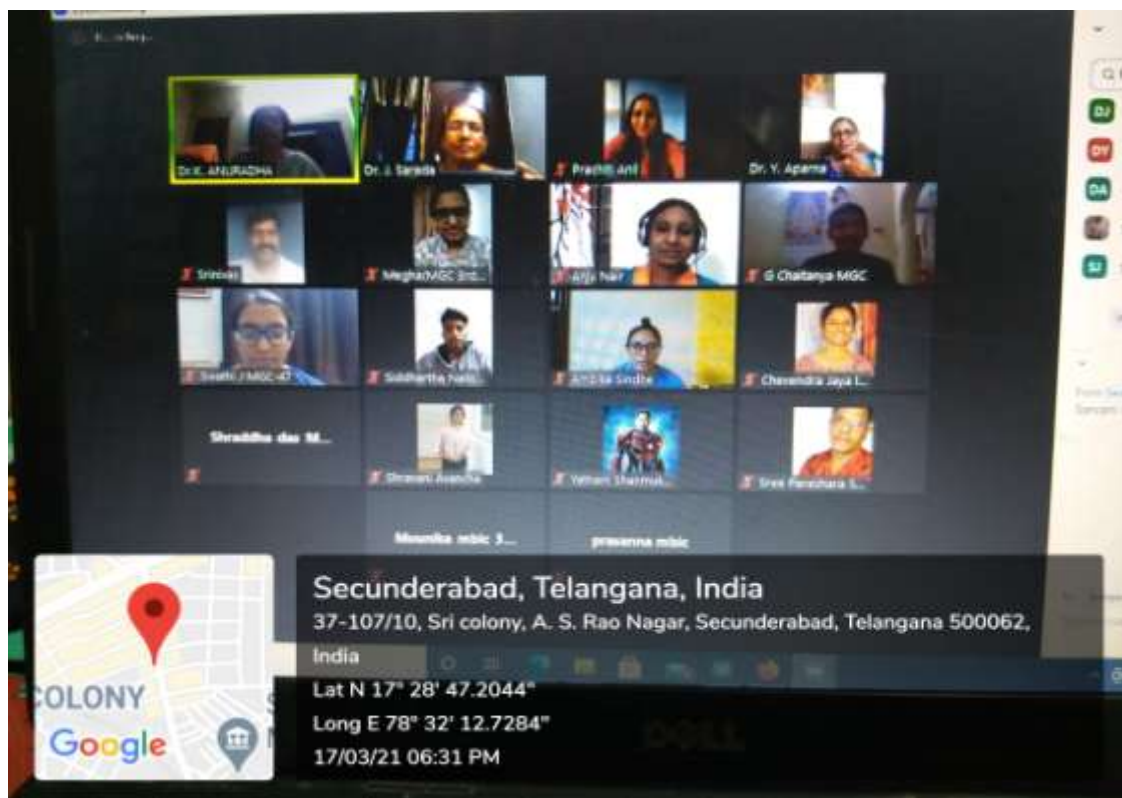
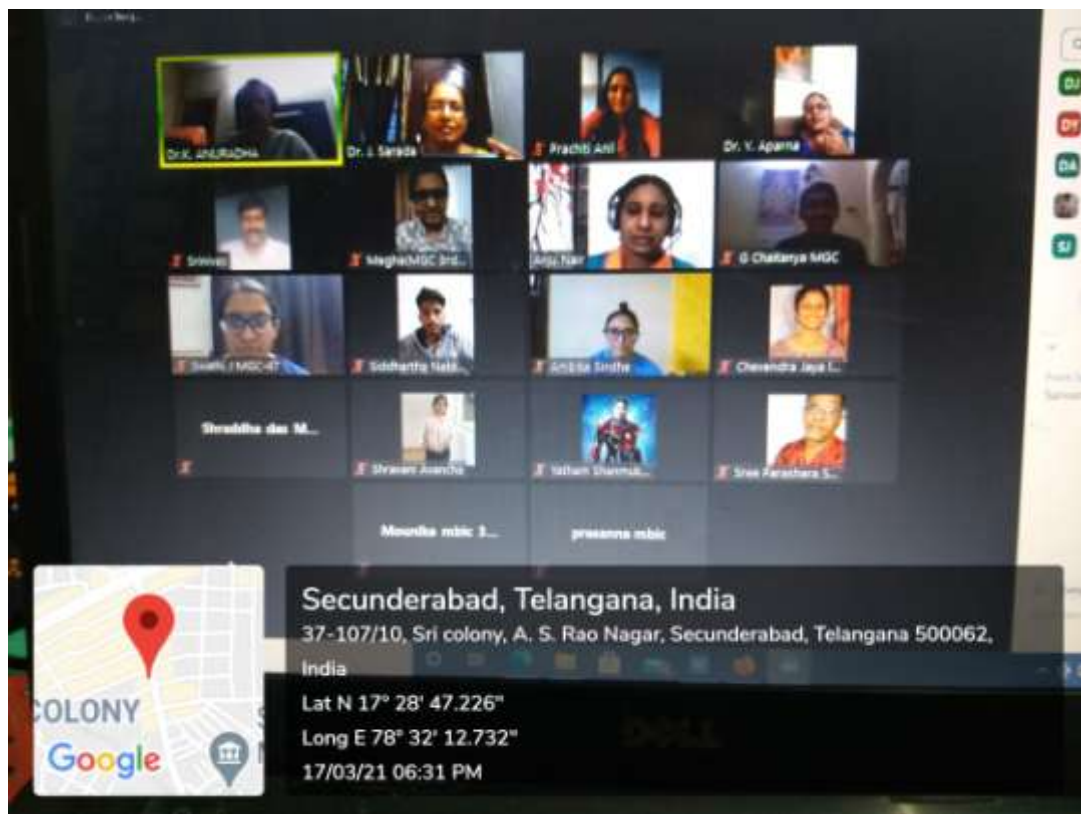


Hands on training in “Clinical Research”

Department of Microbiology in association with **Cliniarch Research Private Limited(CAR)** had organized a three day “Hands on training program in Clinical Research” for final year undergraduate students of MGC and MBiC under DBT STAR college scheme from 15th March,2021 to 17th March,2021. A total of 25 students had enrolled and successfully completed the program by giving a 5 minute presentation on the assigned topic.

Day 1 had four sessions on Phases of clinical trials, Drug development cycle, History and Project Management delivered by Mr.Srinivas Kondari , The founder member of Cliniarch Research Pvt Ltd. Day 2 sessions included Introduction to regulatory agencies, New CT rules and ICH GCP principles and sections delivered by Ms. Prachiti Anil Kumar Patil. Day 3 session comprises of Introduction to stake holders, roles and responsibilities of ofsponsor,CRO,PI,CRC,EC ,Regulatory inspectors, ICF and its process delivered by Ms. Manjulika Gurav. The session ended with highlighting various career opportunities after pursuing clinical research. Students expressed the sessions gave an enriching learning experience beyond their curriculum.







Some other changes impacting CT/ BA-BE studies and ECs.

- Any change in ownership or ownership of BA/BE study centre shall be intimated to CLA *within thirty working days*.
- Clinical trials & BA-BE studies of IND's shall be registered on CTRI before involvement of the first subject in the study.
- In case of termination of any clinical trial or BA-BE study, the detailed reasons for such termination shall be communicated to the Central Licensing Authority *within thirty working days* of such termination.
- In case of an injury during clinical trial or BA-BE study to the subject of such study, complete medical management and compensation shall be provided in accordance with the provisions of Chapter VI and details of compensation provided in such cases *shall be intimated to the Central Licensing Authority within thirty days of the receipt of such intimation* in accordance with the provisions of such rules.

Recording...

Principles of ICH GCP

- **Conduct of Clinical Trials:** Clinical trials should be conducted in accordance with the ethical principles that have their origin in the Declaration of Helsinki, and that are consistent with GCP and the applicable regulatory requirement(s).
- **Weigh risks vs. benefits:** Before a trial is initiated, foreseeable risks and inconveniences should be weighed against the anticipated benefit for the individual trial subject and society. A trial should be initiated and continued only if the anticipated benefits justify the risks.
- **Protect the subjects:** The rights, safety, and well-being of the trial subjects are the most important considerations and should prevail over interests of science and society.
- **Adequate information to justify trial:** The available nonclinical and clinical information on an investigational product should be adequate to support the proposed clinical trial.
- **Protocol:** Clinical trials should be scientifically sound, and described in a clear, detailed protocol.
- **IRB/IEC Approval:** A trial should be conducted in compliance with the protocol that has received prior institutional review board (IRB)/independent ethics committee (IEC) approval/favorable opinion.

Prachi Patel

Dr. K. ANURAG

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Report on Mushroom cultivation workshop

Department of Microbiology in collaboration with ‘S’ Mushroom Agri tech, Kukatpally organized a Two day workshop on “Mushroom cultivation” for B.SC final year students (MGC, MBiC, BtGC) on 31st March and 1st April, 2021 under STAR DBT Scheme. Mrs S.Chaitanya Kumari, faculty accompanied 14 B.Sc final year students for the Two day workshop.



On 31st, Resource person Dr K. Prasuna CEO of ‘S’ Mushroom Agri tech, briefed on her experience as entrepreneur and significance of Mushroom cultivation. The Lecture included the basic knowledge on structure and various stages in mushroom growth, environmental factors influencing their growth, farm design, budget for starting mushroom cultivation as small scale industry and preservation and common diseases encountered during cultivation of

mushrooms. Hands on training was given on 1st April to students on sterilization of raw materials and preparation of Beds for Milky Mushrooms, Oyster, Paddy straw and Button Mushroom (Layer spawning) etc. This workshop had provoked entrepreneurial skills and motivated students to think about start ups in this area.

