

**M. S. P. Mandal's**  
**Vinayakrao Patil Mahavidyalaya, Vaijapur Dist. Aurangabad.**  
**Department of Biotechnology**  
**One Day Online Workshop for Students in Biotechnology.**  
**“SCOPE AND STUDENTS AWARENESS IN BIOTECHNOLOGY.” AND**  
**“ADVANCEMENT IN BIOTECHNOLOGY.”**  
**(26 June 2021)**  
**REPORT**

The department of biotechnology organized an online One day workshop on Scope and Students Awareness in Biotechnology and Advancement in Biotechnology, on 25/06/2021. The objective of this workshop was to introduce various career opportunities available in biotechnology field. Convener Prof.Somvanshi.B.V. and Co- convener Prof.Pathade.S.R. gave a brief introduction of the workshop and welcome all the participants.

We invited two resource person for this workshop. In the first session, that commenced at 11.30 am Dr. Vihang Patil , Asst.Professor Department of Biotechnology, Rajarshri Shahu Mahavidyalaya, Latur, gave an informative lecture on “Scope and Students Awareness in Biotechnology .”He shared that after UG, students should explore to the large number of opportunities available in the field of biotechnology or they can continue with further PG course. After completing UG course students are also recruited in various industries. He elaborated briefly on five different Indian biotechnology sectors i.e; 1)Biopharma 2)Bioservices 3)Bioagriculture 4) Bioindustrial 5)Bioinformatics. Currently about 67% of biotechnologist students are recruited into the pharmaceutical companies. He told that India is among the top 12 biotech destinations in the world and it rank third in Asia – Africa region. Biotech students are also recruited into the Academics (teaching field) and R & D sector after completion of PG course. He suggested that students can go with the various entrance tests such as;CSIR/ICAR/ICMR NET, DBT,SET,GAET,PET for further academic future as they can be enrolled into research area. He also added that students can do PhD in abroad by qualifying TOEFL/GRE entrance exams which are allocated by US & USA universities. At the end he said that Biotechnology and IT sectors are the upcoming era of the modern world and these are the most important fields where students can start their career in the best way.

In the second session, held at 2.30pm Prof. Jeetendra Kulkarni , Head of Biotechnology Department, Dr. Babasaheb Ambedkar Marathwada University ,Subcenter Campus ,Osmanabad delivered a PPT presentation on “Advancement in Biotechnology ”. His key note was on Microbiome Manipulation. On this he address that this technique is likely to be use in new ways in 2025. He also added that by learning the advance techniques, will result in improved tolerance of food and improved resistance to disease.He gave very informative note on Biosensors , 3-D Printing ,Gene editing , CRISPER, Personalized medicines and Advance Biofertilizers. At last he showed his home made bioreactor ,which is made from big mud pots( pots which are used as water resevoir in villages) and addressed that how we can make available these bioreactors at cheapest level. He also told students that ,the only thing is to do is to sharpen your skills.

At the end, Prof.Nikam.S.R Asst.Professor Department of Biotechnology, presented the Vote of Thanks.