



SATPUDA SHIKSHAN VA GRAMIN VIKAS SANSTHA'S
Bapumiya Sirajoddin Patel Arts, Commerce and Science
College, Pimpalgaon Kale
Minority Status Institution
Affiliated to Sant Gadge Baba Amravati University, Amravati
Accredited with "B" Grade by NAAC

Activity: Two Days National E-Workshop on "Advance Instrumentation" (Online)

Date: 22-23 December 2021

Time: 12:00pm

Participant: 600

Platform: Google meet

Link: Google meet- <https://meet.google.com/aof-sien-kkp>

Youtube Live Streaming- <https://youtu.be/1JPtght8-Bc>

Program Highlights:

Department of Zoology, Botany and Microbiology (Life Sciences), Bapumiya Sirajoddin Patel Arts, Commerce and Science College, Pimpalgaon Kale, district Buldhana under IQAC has organized Two Days National E-Workshop on "Advance Instrumentation" jointly in collaboration with Rayat Shikshan Sanstha's, Karmveer Bhaurao Patil Mahavidyalaya, Washi, Navi Mumbai. The workshop was organized by inspiration of Hon'ble Adv. Salim Patel sir, President of Satpuda Shikshan Va Gramin Vikas Sanstha and guidance and support of Mr. Rabbani Deshmukh (joint secretary).

On the first day of workshop on 22nd December, inauguration of the program was done by Dr. I. A. Raja, Principal. The chief guest of the program was Hon'ble Mr. C. D. Bhosale, Vice-Principal of Karmveer Bhaurao Patil Mahavidyalaya, She addressed to the participant and have given brief information about advanced instrument facilities available in her institute. He motivated the researchers to work in molecular field and invited to take the advantage of the advanced instrument facilities they have.

In the first session Dr. Swapnil Mahamune Assist. Professor, Government Vidarbha Institute of Science and Humanities, Amravati, gave the practical demonstration on two important advance instrument used in the molecular biology viz., Polymerase Chain Reaction (PCR) and Gel Electrophoresis. During his demonstration he explained the importance of PCR as it is used to rapidly make millions copies of specific DNA sample, allowing scientist to take a very small DNA and amplify it to a large enough amount to study in detail. He also explained and demonstrated the various steps involved in PCR. Next he gave the

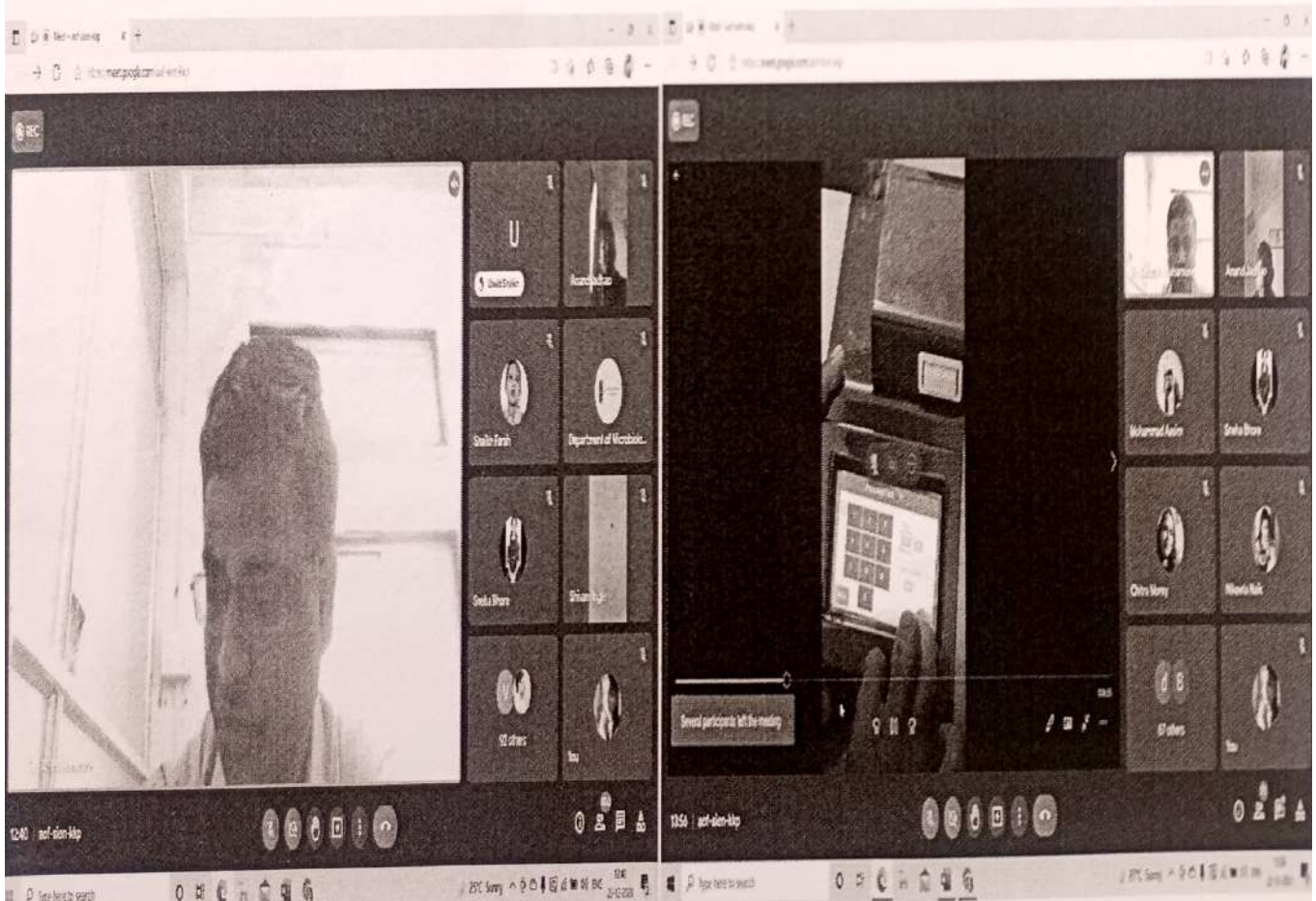
demonstration about another important instrument "Electrophoresis" as it is a laboratory technique used to separate DNA, RNA or protein molecules based on their size and electrical charge. An electric current is used to move the molecule through a gel or other matrix. He explained different steps involved in the electrophoresis as well as role and importance of the instrument in molecular biology and biotechnology field.

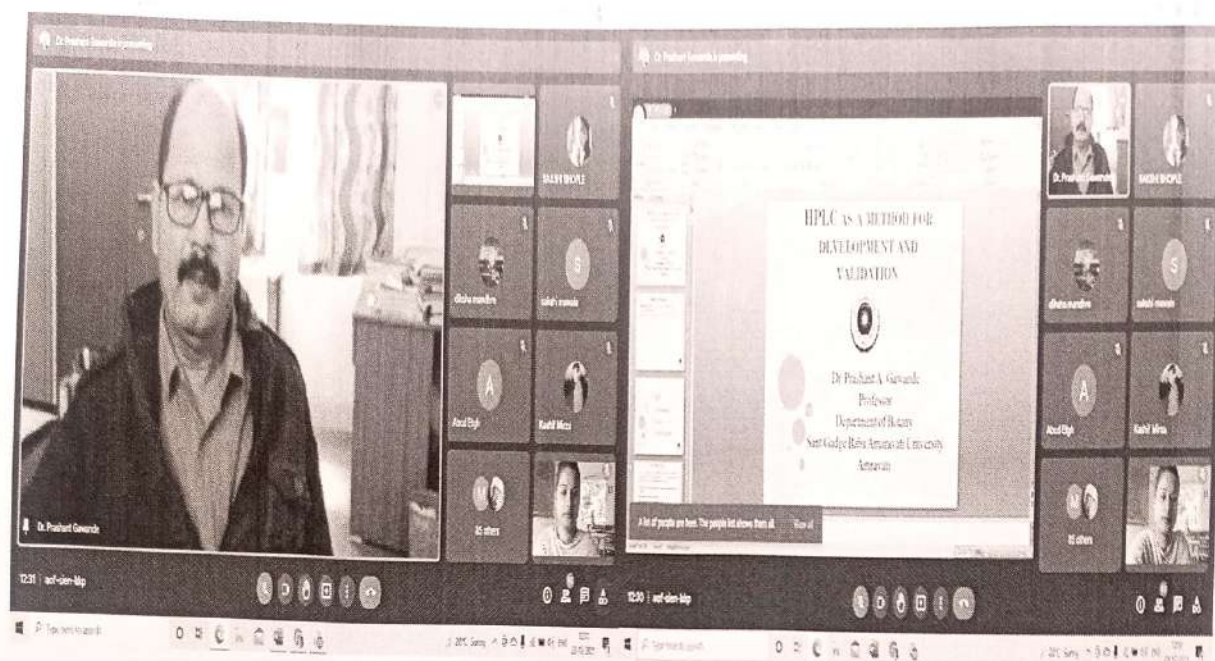
On second day of workshop, on 23rd December Dr. Prashant A. Gawande, Professor, Sant Gadge Baba Amravati University, Amravati. He gave the demonstration, working and principle on High-Performance Thin Layer Chromatography (HP-TLC) as it is applicable for all biochemical analysis because of the wide variety of separation principles. It is used in the quantitative determination of plasma level of drugs and their metabolites; it has the special importance during the development of new drugs. He also mentioned that, when we study the different plants for their secondary metabolites, it is necessary to screen through HP-TLC for the quantification of various drugs. He also explained the different steps involved in HP-TLC techniques.

In the next session of 2nd day workshop Mr. Sarang Bhagwat Assistant Professor Karmveer Bhaurao Patil Mahavidyalaya, Washi, Navi Mumbai, gave the demonstration on working and principle of one of the important advance instruments used in the molecular biology field i.e. Scanning Electron Microscope (SEM). It is a type of electron microscope that produce image of sample by scanning the surface with a focused beam of electrons. The electron interacts with atoms in the sample producing various signals that contains information about the surface topography and composition of the sample. SEM used across a number of industrial, commercial and medical research applications, such as to identify diseases and viruses, to testing new vaccination and medicine, comparing tissue sample between patients etc. He also explained the different steps involved in SEM techniques.

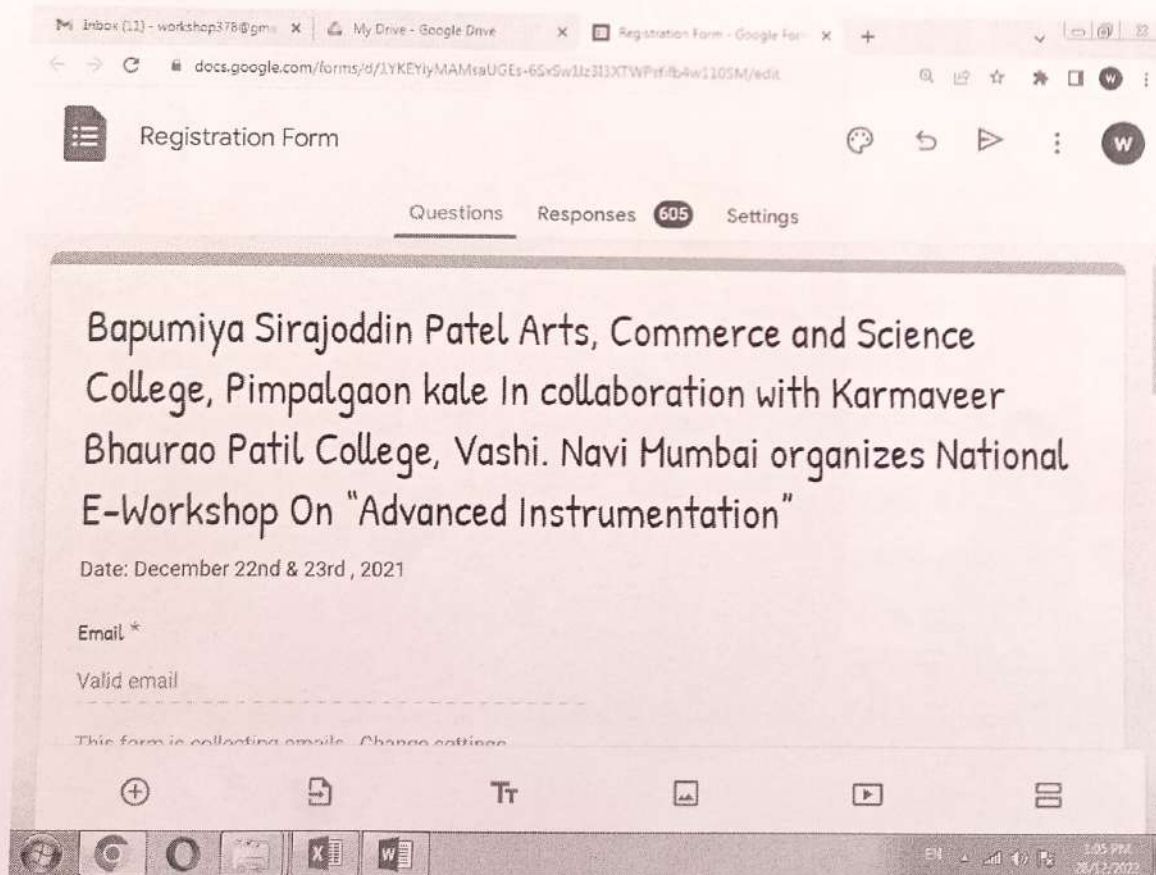
In the last session of the workshop, Dr. S. A. Quazi, IQAC coordinator of Bapumiya Sirajoddin Patel Arts, Commerce and Science College, Pimpalgaon Kale, summarized two day's workshop on Advance Instrumentation, and finally proposed vote of thanks of the entire hon'ble chief guest and entire participant. Mr. Vinit Kela and Dr. Kavita Jadhav Karmveer Bhaurao Patil Mahavidyalaya, Washi, gives the technical support for the successful organization of the online workshop. 600 participants attended the workshop. The hosting of workshop was done by Dr. Farah Shaikh and Prof. Prajakta Bathe. The vote of

thanks of resource person was given by Dr. Anand Jadhao and Dr. Nikhil Agrawal. The efforts of entire team of life science made the workshop successful.





Registration Responses:





SARPADA SHIKSHAN VA GRAMIN VIKAS SANSTHA

Kutch Road, Pimpalgaon Kale, Tq. Jalgaon, Dist. Buldhana, Pin-443403, Maharashtra, India
Minority Status Institution



Accredited with "B" Grade by NAAC



In Collaboration With
RAYAT SHIKSHAN SANSTHA'S
Kamaveer Bhaurao Patel
College, Vasli.

Navi Mumbai
Autonomous College
Accredited with "A" Grade by NAAC

Under IQAC
Organizes
Two Day National E-Workshop
On
"Advanced Instrumentation"
December 22nd & 23rd, 2021

Our Inspiration
Late Bapumiya Sirajoddin Patel Afiac
Bhaurabeb B. S. Patel Sir

Chief Patron
Hon'ble. Adv. Salim Bapumiya Patel President
Hon'ble. Shri. Vijayji Ambhore Secretary
Hon'ble. Shri. Rabbani Deshmukh Joint Secretary

Sarpada Shikshan Va Gramin Vikas Sanstha, Palshi Vaidya
Tq. Jalgaon (Jamod) Dist Buldhana, (443403) Maharashtra, India

लोकमत समाचार

बी.एस. पटेल महाविद्यालय में दो दिवसीय कार्यशाला संपन्न

बुधवार को 11:25 बजे को...
बी.एस. पटेल महाविद्यालय में दो दिवसीय कार्यशाला संपन्न...
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