

SHIKSHAN PRASARAK SANSTHA'S
PADMABHUSHAN VASANTRAODADA PATIL MAHAVIDYALAYA, KAVATHE
MAHANKAL
DEPARTMENT OF ZOOLOGY

Date:29/07/2021

Report of the Activity

Title	Webinar on Microtomy for B. Sc. III. Students
Day & Date	1.08.2021
Organizer	Department of Zoology
Chief Guest	Dr. Shilpa Khairmode Assistant Professor, Department of Zoology, A.C. S. College, Miraj
Co-ordinator	Prof. (Dr.) Suverna B. More Head, Department of Zoology, P. V. P. Mahavidyalaya, Kavathe Mahankal
President	I/C Principal Prof.(Dr.) M. K. Patil P. V. P. Mahavidyalaya, KavatheMahankal
Present Students	13
Background	Webinar are often a welcome and inspiring event in a course, potentially demonstrating micro techniques used for preparation of permanent slides in laboratories. It can however be challenging to successfully incorporate webinar. The Department of Zoology of the institute dedicated to promoting interest in life science and techniques and recently organized a webinar on topic Microtomy for B. Sc. III. Students
Objective	1. Understanding Tissue Sectioning: Learn the principles and methods involved in obtaining thin tissue sections for microscopic analysis. 2. Developing Practical Skills: Gain proficiency in handling microtomes and related equipment to cut precise sections of tissue samples. 3. Preservation Techniques: Understand different embedding and staining methods to preserve tissue integrity and visualize cellular structures effectively.
Conclusion	Webinar on microtomy techniques provided invaluable insights and practical knowledge to the students. Through comprehensive explanations and demonstrations, attendees gained a deeper understanding of tissue sectioning principles, equipment operation, and preservation methods. The lecture not only equipped students with essential practical skills but also emphasized the significance of quality control and safety measures in the laboratory. Additionally, the discussion of research applications underscored the relevance of microtomy techniques in various scientific disciplines. Overall, the guest lecture served as a valuable educational opportunity, empowering students to apply their newfound knowledge in their academic pursuits and future careers in the biomedical sciences.


Prof. (Dr.) S. B. More
Co-Ordinator & Head
Head
Department of Zoology
P.V.P. Mahavidyalaya,
Kavathe Mahankal, Dist.-Sangli


Prof. (Dr.) M. K. Patil
I/C Principal
PRINCIPAL
Padmabhushan Vasantraodada Patil
Mahavidyalaya, K. Mahankal, Dist-Sangli

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DEPARTMENT OF ZOOLOGY

Date:29/07/2021

Report of the Activity

The Department of Zoology, Padmabhushan Vasanttraodada Patil Mahavidyalaya, Kavathe Mahankal is going to organize a webinar on “Microtomy” for B. Se. III Zoology as a Departmental Activity on 1st August 2021. This event aimed to promoting interest in wildlife.

The primary objective of the webinar was to provide students with a comprehensive understanding of microtomy techniques, including principles, methods, and applications in various scientific disciplines. Webinar on microtomy techniques commenced with an introduction to the importance of tissue sectioning in biomedical research, histology, and pathology. The Dr. Shilpa, an expert in the field, provided an overview of the equipment used in microtomy, including microtomes, embedding materials, and staining reagents. The lecture proceeded with a detailed explanation of the microtomy process, covering tissue preparation, embedding, sectioning, and staining procedures. Through insightful demonstrations, attendees gained practical insights into the delicate art of tissue sectioning and learned techniques to achieve optimal section thickness and quality .Furthermore, the presenter emphasized the significance of quality control measures to ensure consistent and accurate results in microtomy. Attendees were introduced to troubleshooting strategies for common issues encountered during tissue sectioning, such as tissue folding, section artifacts, and staining inconsistencies. The lecture also delved into the diverse applications of microtomy techniques in research, including histopathology, developmental biology, and neuroscience. Attendees gained an understanding of how tissue sectioning enables the visualization of cellular structures and

facilitates the study of tissue morphology and pathology. Moreover, the guest lecture highlighted the importance of safety protocols and good laboratory practices in microtomy. Attendees were briefed on proper handling of hazardous chemicals, equipment maintenance, and waste disposal procedures to ensure a safe working environment.

In conclusion, the guest lecture on microtomy techniques provided attendees with a comprehensive understanding of tissue sectioning principles and methods. Through engaging demonstrations and informative discussions, students gained practical skills and theoretical knowledge essential for their academic and professional development in the biomedical sciences. The lecture served as a valuable educational opportunity, empowering attendees to apply their newfound expertise in their research endeavours and future careers.



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MAHANKAL
DEPARTMENT OF ZOOLOGY

Date 27/07/2021

Notice

All the students of B. Sc. III are hereby informed that, Department of Zoology, Padmabhushan Vasantryadada Patil Mahavidyalaya, Kavathe Mahankal is going to organize online guest lecture on Microtomy at 02.30 pm onward as a Departmental Activity on 1.08.2021. This event aimed to promoting interest in practical techniques. All the students must be remain present for the same.

Note: Link will be provided before 15 min of lecture on Google classroom and what's app.


Prof. (Dr.) S. B. More
Co-Ordinator & Head
Head
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P.V.P. Mahavidyalaya,
Kavathe Mahankal, Dist.-Sangli

SHIKSHAN PRASARAK SANSTHA'S
PADMABHUSHAN VASANTRAODADA PATIL MAHAVIDYALAYA, KAVATHE
MAHANKAL
DEPARTMENT OF ZOOLOGY

Date: 26/07/2021

To,
The Principal,
P.V.P. Mahavidyalaya,
Kavathe Mahankal.

Subject: Regarding permission to organize online webinar.

Respected Sir,

With respect to above mentioned subject, Department of Zoology, PVP Mahavidyalaya, Kavathe Mahankal, is going to organize online webinar on Microtomy as a Departmental Activity on for B. Sc. III. Students, on 1.08.2021 at 2.30 pm. Herewith I request you grant us permission for the same.

Thanking you,

Yours faithfully,

Permission granted

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Prof. (Dr.) S. B. More
Co-Ordinator & Head
Head
Department of Zoology
P.V.P. Mahavidyalaya,
Kavathe Mahankal, Dist.-Sangli.



PADMABHUSHAN VASANTRAODADA PATIL MAHAVIDYALAYA

KAVATHE MAHANKAL, Dist. Sangli (Maharashtra) Pin- 416 405

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Jr. College Index No. J 22.04.002

Website : www.pvpkm.org

RefNo. PVPMKM/ 2021-22/71 ①

Date : 31/07/2021

To

Dr. ShilpaKhairmode

Assistant Professor,

Department of Zoology,

Dr. BapujiSalunkheMahavidyalaya, Miraj.

Subject: Invitation as resource person for online webinar for B. Sc. III Zoology

Respected Madam,

With great pleasure to inform you that the Department of Zoology, P.V.P. MahavidyalayaKavatheMahankal organizing, Online webinar on Microtomy for B. Sc. III students, on 1.08.2021 at 2.30 pm onwards.

It gives us an immense pleasure to invite you as a resource person for the same, will be organized on the Google Meet Platform. Kindly accept the invitation and grace our students with your lecture.

Thanking you.

Yours Faithfully,


Acting PRINCIPAL,
Padmabhushan Vasantraodada Patil
Mahavidyalaya, K. Mahankal, Dist. Sangli



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Jr. College Index No. J 22.04.002

Website : www.pvpkm.org

Ref No. PVPKM/ 2021- 22 / 76

Date : 02/08/2021

To

Dr. ShilpaKhairmode

Assistant Professor,

Department of Zoology,

Dr. BapujiSalunkheMahavidyalaya, Miraj.

Subject: Letter of Appreciation.

Respected Madam,

I am writing to express my heartfelt gratitude for the outstanding webinar you hosted on Microtomy for B.Sc III students on 1.08.2021. The session was incredibly insightful, and I genuinely appreciate the effort and expertise that went into organizing it.

I found the content presented during the webinar to be extremely valuable, and it provided me with valuable insights into tissue sectioning principles, equipment operation, and preservation methods. The speakers were engaging, knowledgeable, and passionate about the subject matter, which made the experience truly enjoyable and enriching.

Thank you once again for providing such a valuable learning opportunity. I look forward to participating in future webinars hosted by your esteemed organization and continuing my professional development journey with you.

Warm regards,

Yours Faithfully,


Acting PRINCIPAL
Padmabhushan Vasanttraodada Patil
Mahavidyalaya, K. Mahankal, Dist-Sangli



Voi LTE 92% 12:37 pm

Close Participants (13)

- | | | | |
|---|------------------|---|---|
| P | Pooja Shinde |   | > |
| P | Poonam Deshmukh |   | > |
| PM | Poonam Mane |   | > |
| P | Pradnya Babar |   | > |
| PP | Pratima patil |   | > |
|  | Shivam Jaganade |   | > |
| SK | Sneha kadam... |   | > |
| SM | Sumita mulik |   | > |
|  | Swarangi Kadam |   | > |
| V | Vidhyarani Patil |   | > |

Invite



Shikshan Prasarak Sanstha's
**PADMABHUSHAN VASANTRAODADA PATIL MAHAVIDYALAYA,
KAVATHE MAHANKAL, DIST-SANGLI**

One day webinar on

"MICROTOMY FOR B. SC. III STUDENTS"

Certificate

This is to certify that Mr./Ms./Mrs Shivam Prashant Jaganade from P.V. P. Mahavidyalaya, Kavathe Mahankal has participated in the One day webinar on "Microtomy for B. Sc. III students" organized by Department of Zoology, Padmabhushan Vasanttraodada Patil Mahavidyalaya, Kavathe Mahankal Dist: Sangli, Maharashtra on Sunday 1st August , 2021

Prof. (Dr.) Suvarna B. More
Convener and Head Dept. of
Zoology

Prof. (Dr.) M. K. Patil
Acting Principal