



**MMK & SDM MAHILA MAHAVIDYALAYA**

**KRISHNAMURTHY PURAM, MYSORE**

**Department of Biochemistry and IQAC**

in association with

**PG Department of Biochemistry, Pooja Bhagavat Memorial Mahajana  
Education Centre, Mysuru, India**

**REPORT ON**

**Hands-On workshop**

**On**

**High Performance Liquid Chromatography**

**2021**

**DATE:** 09/02/2021  
**TIME:** 10:00 am onwards  
**CONVENER:** Dr. Wethroe Kapfo  
**ORGANIZING SECRETARY:** Dr. Girish Chandran  
**VENUE:** PG Department of Biochemistry, Pooja Bhagavat  
Memorial Mahajana Education Centre, Mysuru  
**BENEFICIARIES:** Students of III BSc. BMBt and MSc. Biochemistry

**PRINCIPAL**  
MMK & SDM Mahila Maha V. ...  
Krishnamurthypuram, Mysuru-570004

## Program Objectives

- Introduction to the working principle of High Performance Liquid Chromatography
- Hands-on training in handling the HPLC instrument
- Exposure to sophisticated instruments in Research Laboratory at PBMMEC.

## Proceedings of the workshop

1. **Presentation on High Performance Liquid Chromatography:** Dr. Girish Chandran, Course Coordinator, PG Department of Biochemistry, PBMMEC presented a talk on the principle of High-Performance Liquid Chromatography, its instrumentation, methodology and applications. He explained the types of biomolecules to which HPLC was most suitable and concluded with the career opportunities when one is skilled in using and trouble-shooting the instrument.
2. **Workshop on High Performance Liquid Chromatography:** The students were divided into three groups. Each group was given training in setting the mobile phase, establishing the baseline, injecting the sample (dopamine), determining the retention times, analysing the concentration of the sample by using area and height of peak and washing of the column. After the training session, Dr. Raghavendra Hegdekatte explained the tricks of troubleshooting problems related to HPLC.
3. **Visit to research lab:** The students were taken on a tour to the research laboratories in the PG Centre. They were exposed to instruments like Gas Chromatogram, Phase Contrast Microscopy, ELISA Plate Reader, Thermocycler, Western Blotting Units and specialized labs like animal cell culture laboratory.

## Program Outcome

1. The students learnt how to handle the HPLC instrument and how to troubleshoot.
2. Materials for further reading was provided to all students
3. The students were exposed to various sophisticated instruments.

## Conclusion

The workshop was organised for the students of III BSc. BMBt and MSc. Biochemistry. The students have studied the principle of High-Performance Liquid Chromatography in their curriculum. This workshop provided them the opportunity to have a hands-on practical experience.

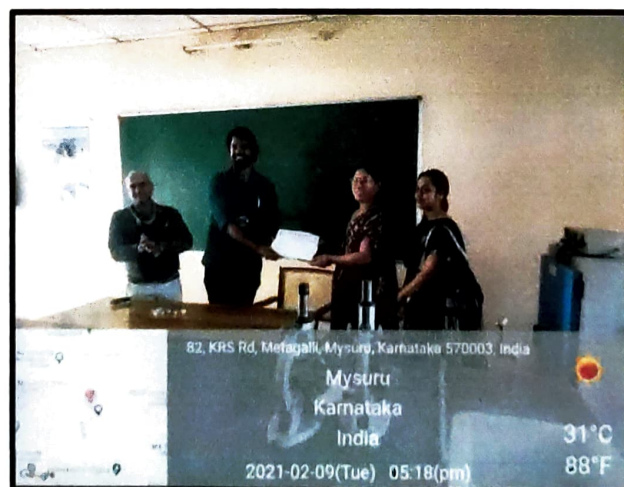
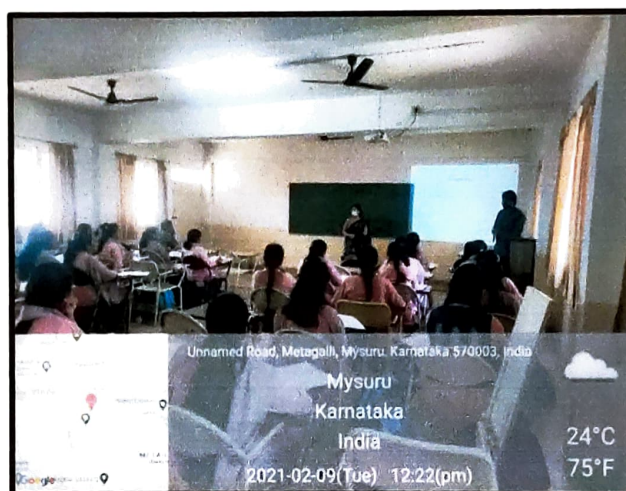


**PRINCIPAL**

MMK & SDM Mahila Maha Vidyalaya  
Krishnamurthypuram, Mysuru-570004

## Photo Gallery

Workshop on High Performance Liquid Chromatography on 09.02.2021



  
**PRINCIPAL**  
MMK & SDM Mulitala Nidhi W  
Krishnamurthypuram, Mysuru-570004



(Affiliated to University of Mysuru)

**Krishnamurthypuram, Mysuru - 570 004**

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(Managed by : **SDME Society (R.), Ujire**)

PRESIDENT **Dr. D. VEERENDRA HEGGADE**, Shri Kshetra Dharmasthala

**Prof. Sainath Malligemadu**

Principal

Office of the Principal

Ref. No.: **MMK & SDM / MMV / 1102 / 2020 / 2021**

To,

Date : 05 - 02 - 2021

Dr. S.R. Ramesh,  
Chief Scientist, Department of Life Sciences,  
Pooja Bhagavat Memorial Mahajana Education Centre (PG wing)  
KRS road, Mysuru

**Respected Sir,**

**Subject: Request for organizing a One- Day HPLC workshop for our students- Reg.**

Greetings.

I trust this letter finds you well.

At the outset I would like to take this opportunity to briefly introduce to you about our college. MMK & SDM Mahila Maha Vidyalaya, which is the only women's college among 56 institutions under SDM Education Society @, Ujire. Under the guidance of our President, Padmavibhushan Poojya Dr. Veerendra Heggade, it strives to fulfil the motto of "Empowerment of Women to build Enlightened Society" by educating the students through teaching and training. Affiliated to the University of Mysore, Mysuru, we run 04 undergraduate programs pertaining to BSc., BCom, BBM, BCA, and a PG program, M.Com. Our college strongly endorses in exposing the students to the current trends in research and industry and also to sensitize them to the needs of the society through service. As a result of our efforts, we have been recognised by India Today, NIRF, ranked one of the 20 best institutions for education in Karnataka by Silicon Valley Magazine and awarded Silver Zone Award by the Indian Association for the Blind. We have recently submitted the SSR report and completed the DVV process to NAAC and are awaiting the peer visit team.

Following up with the discussions between my faculty Dr. Wethroe Kapfo, Assistant Professor and Head of Dept. of Biochemistry and Dr. Girish Chandran, Assistant Professor and Course Coordinator, Dept of Biochemistry, PBMMEC, Mysuru, we would like to associate with you by conducting a One-Day HPLC workshop at your esteemed institution for our students of final year B.Sc. on 09<sup>th</sup> February, 2021. This program will help them equip themselves for their future careers in science. I would also appreciate it if we can sign a mutually agreed MoU and have such annual collaborative events in the subsequent years. I look forward to your response.  
Kindly oblige and do the needful.

Thanking you,

Yours Sincerely

Prof. Sainath Malligemadu  
**PRINCIPAL**

**MMK & SDM Mahila Mahavidyalaya**  
**Krishnamurthypuram, Mysore-570 004**

**Copy To:**

1. **Dr. Girish Chandran**, Assistant Professor and Course Coordinator, Dept of Biochemistry, PBMMEC, Mysuru

**PRINCIPAL**  
**MMK & SDM Mahila Maha Vidyalaya**  
**Krishnamurthypuram, Mysuru-570 004**



**Pooja Bhagavat Memorial Mahajana Education Centre**  
**SBRR Mahajana First Grade College PG Wing**

Metagalli, Mysuru-570016  
and



**Mysore Makkala Koota & Sri Dharmasthala Manjunatheshwara Mahila Mahavidyalaya**  
Krishnamurthyapuram, Mysuru-57004



**WORKSHOP ON HPLC**

This is to certify that Ms. ....

has successfully participated in the "First annual one day workshop on HPLC" held on 9th Feb 2021 at the

Department of Lifesciences, Pooja Bhagavat Memorial Mahajana Education Centre, Mysuru.



**Dr. Girish Chandran**  
Organizing Secretary  
Biochemistry Coordinator, PBMMEC



**Dr. Wethroe Kapfo**  
Head, Biochemistry  
MMK SDM



**Prof. Sainath Malligemadu**  
Principal, MMK SDM  
Mahila Mahavidyalaya



**Dr. S.R. Ramesh**  
Chief Scientist  
Life Sciences, PBMMEC



**Dr. C.K. Renukaya**  
Director  
PBMMEC

**PRINCIPAL**

MMK & SDM Mahila Maha Vidyalaya  
Krishnamurthyapuram, Mysuru-57004

# Workshop on HPLC

09.02.2021

## Department of Biochemistry

Name

Signature


- |                           |                     |
|---------------------------|---------------------|
| 1. Khawya . S . V         | Khawya              |
| 2. Deekshitha . R         | Deekshitha          |
| 3. Anupama C              | Anupama C           |
| 4. Anaya N.R              | Anaya N.R           |
| 5. Anpitha . YP           | Anpitha . YP        |
| 6. Kavanarhece . KV       | Kavanarhece . KV    |
| 7. Dolma C Shurpa         | Dolma C Shurpa      |
| 8. Monika B.M.            | Monika B.M.         |
| 9. Anusha . M.S.          | Anusha              |
| 10. Meghana . P . Raman . | Meghana . P . R .   |
| 11. Himabindu . A.G       | Himabindu . A.G     |
| 12. APOORVA M R           | Apoorva MR          |
| 13. Sahana . M.P          | Sahana . M.P        |
| 14. Sutobhi . D.S         | Sutobhi . D.S       |
| 15. Yashaswini . N        | Yashaswini . N      |
| 16. Yashaswini . R        | Yashaswini . R      |
| 17. Renuith . K . M       | Renuith             |
| 18. Mythas                | Mythas              |
| 19. Varsha R.             | Varsha R.           |
| 20. Shreshtha Jain        | Shreshtha Jain      |
| 21. Shreelakshmi . G      | Shreelakshmi . G    |
| 22. Sujana kote . S       | Sujana kote . S     |
| 23. N S Vaishnavi Chait   | N S Vaishnavi Chait |
| 24. Thani Shree . N       | Thani Shree . N     |



PRINCIPAL

MMK & SDM Mahila Maha Vidyalaya  
Krishnamurthipuram, Mysuru-570004

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33K

25. Soundarya G.  
26. Appeksha K.S.  
27. Harshini M.S.  
28. Bojamma A.P.  
29. Thashwini P.M.  
30. Monisha M.J.

Soundarya G.

Appeksha

Harshini

Bojamma

Thashwini P.M.

Monisha

**PRINCIPAL****MMK & SDM Mahila Maha Vidyalaya  
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