

Lal Bahadur Shastri College, Satara

Department of Microbiology

Alumni Meet (2016-17)

The alumni meet of our department was organised on Sunday 25th December 2016, 10 am at departmental laboratory.





Lal Bahadur Shastri College of Arts, Science & Commerce, Satara
Department of Microbiology
(Diploma in Industrial Pollution & Waste water treatment.)
Industrial Training Report (2016-17)

Department of Microbiology, Lal Bahadur Shastri College of Arts, Science & Commerce is running a diploma course under community college scheme of UGC, New Delhi , namely A Diploma in Industrial Pollution & waste water treatment. As per the goal of syllabus to give sound knowledge with understanding of industrial sector pollution problems & waste water treatment technologies from last year, we had arranged 15 days industrial training at Ajinkyatara Sahakari Sakhar Karkhana pvt. Ltd. Shendre, Satara. The training was held on 20th December to 3th January 2016. Inaugural function of the training program was held in presence of Mr. Sanjeev Desai (Managing Director) Ajinkyatara Sahakari Sakhar Karkhana pvt. Ltd. Shendre, Satara and Dr. R.V. Shejwal (Principal Lal Bahadur Shastri College of Arts, Science & Commerce, Satara)

The activities held under this training are as follows :

On **20-21st December 2016** In the **visit of Sugar Factory** we visited various processes of sugar formation such as plant details, syrup or juice formation, clarification , crystallization and sulphitation. On next day **22nd-23rd December** we visited the **Distillery section** in which they guide us how fermentation processes took place & which media and culture can be used for formation of alcohol from the raw material molasses.

On **24th-26th December** we visited **Effluent treatment plant**. In this we visited waste water treatment techniques. On the 1st day they show us how the waste collected from various plants & first we have to neutralize the waste by using alum. On next day they show us how primary treatment of waste water occurs in which separation, sedimentation occurs. Then on last day we have learned about the secondary biological treatment method

On **27th December** we visited **Composting site**. In which they show us the waste of distillery i.e. Spent wash and raw of sugar mill is used to form a compost.

On remaining day i.e. from **28th-3rd January 2017** we perform the **Laboratory analysis** of the samples collected from ETP plant. As well the soil analysis in which we perform-COD, BOD, Chlorides Estimation, Hardness of water, alkalinity, lime determination etc.

Department of Microbiology Industrial training 2016-17





Lal Bahadur Shastri College of Arts, Science & Commerce, Satara

Department of Microbiology

B.Sc II and III

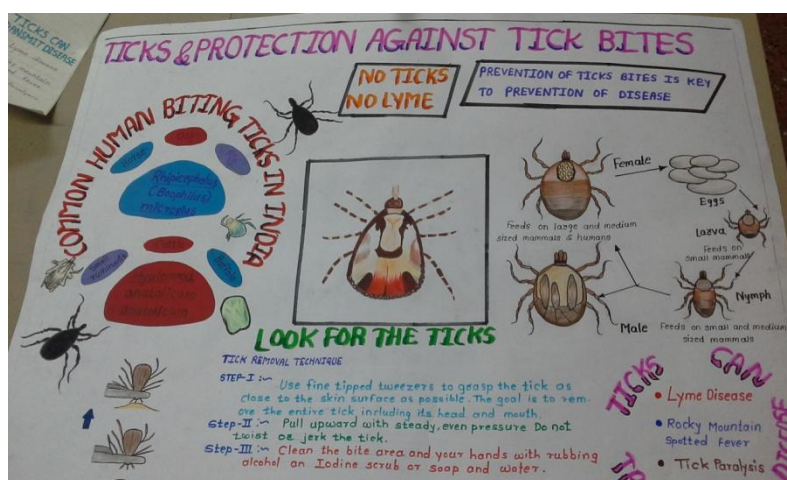
Various competition were organized by Dolphin group of Microbiology Department of YCIS, Satara in which our students actively participated and won prizes. The competition arranged were such as

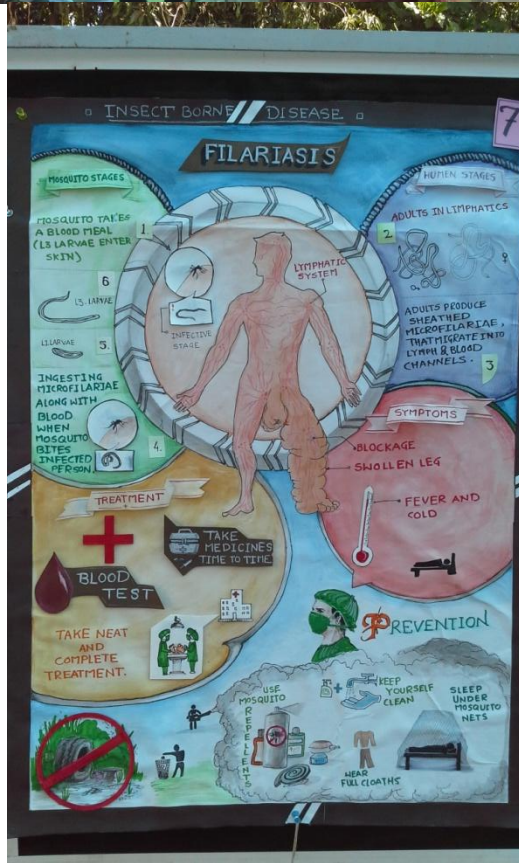
1. Poster competition - Four students participated
2. Microtoon Drawing competition – Two students participated
3. Agar Art competition - Four students participated
4. Microbiological Skit competition - Eight students participated

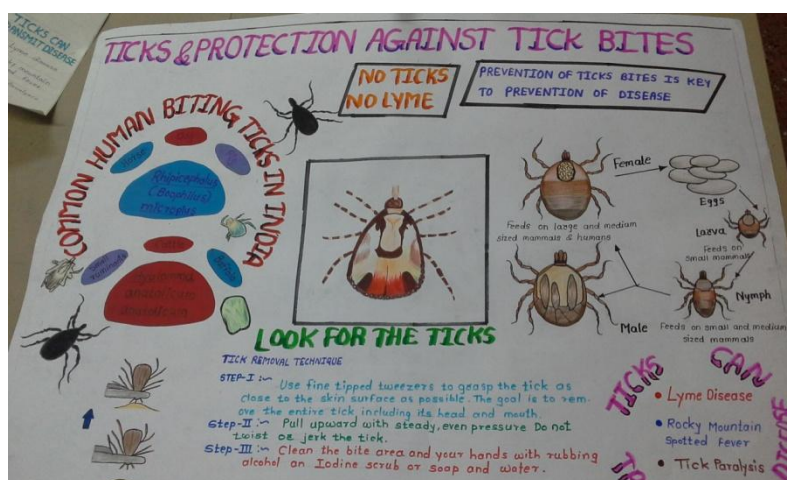
The students of Ty B.Sc students participated in Microbiological Skit competition and among ten teams they won 2nd prize.

Dept. of microbiology

Students participation in state level competition







Lal Bahadur Shastri College of Arts, Science & Commerce, Satara

Department of Microbiology

B.Sc II and III

Study tour report (2016-17)

As per the goal of syllabus to give sound knowledge with understanding of industrial sector pollution problems & waste water treatment technologies , we had arranged one day industrial tour at Ajinkyatara Sahakari Sakhar Karkhana pvt. Ltd. Shendre, Satara. The training was held on 22nd December 2016.

In the visit of Sugar Factory we visited various processes of sugar formation such as,

we visited the Distillery section in which they guide us how fermentation processes took place & which media and culture can be used for formation of alcohol from the raw material molasses.

After lunch we visited Effluent treatment plant in which we visited waste water treatment techniques. They showed us how the waste collected from various plants & 1st we have to neutralize the waste by using alum then.

And then they showed us how primary treatment of waste water occurs. On which separation sedimentation occurs and lastly we have learned about the secondary biological treatment method

And then visited Composting site in which they show us the waste of distillery i.e Spent wash and raw of sugar mill is used to form a compost.



Dept. of Microbiology

Study tour 2016-17



