03/05/18

- Experiment for Standardization of catechu was repeated by MP and SS.
- Brainstorming session on human practices, sustainability and molecular biology was conducted.
- Digital weighing balance was calibrated.

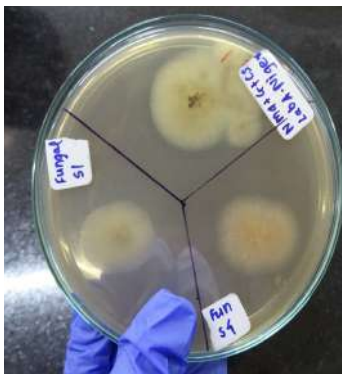
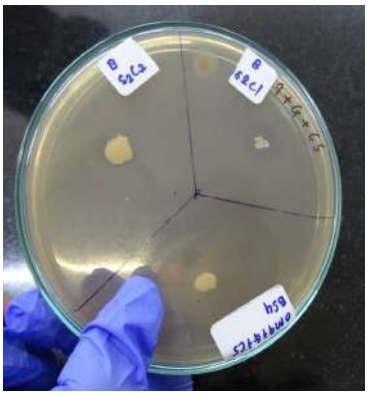
Water in ml	Weight in grams
0.1	0.091
0.2	0.193
0.3	0.294
0.4	0.392
0.5	0.487
0.6	0.588
0.7	0.682
0.8	0.742
0.9	0.864
1.0	0.961

04/05/18

- Weekly meeting (Presentation by KP, SS and AV) was conducted.
- Results of spot assay conducted on 02/05/18 were checked.

Culture no.	Medium	Clearance
S1 Fungal	M9+G+CS	+
	M9+CS	
S2 C1	M9+G+CS	+++

	M9+CS	
S2 C2	M9+G+CS	+
	M9+CS	
S3C1	M9+G+CS	-
	M9+CS	
S3C2	M9+G+CS	-
	M9+CS	
S3C3	M9+G+CS	-
	M9+CS	
S4 Fungal	M9+G+CS	++
	M9+CS	
S4 Bacterial	M9+G+CS	-
	M9+CS	
A niger	M9+G+CS	++
	M9+CS	

- Safety training session 1 was conducted by Mr.Sachin Rajagopalan and Ms.Mugdha Kulkarni.

08/05/18

- The experiment for extraction of catechu was performed by KP and MP in order to standardize the protocol.The stability of the extract prepared after autoclaving was also checked by them.

Performed by	0.1%	0.5%	1.0%
MP	0.588	>2.5	>2.5
KP	0.346	2.349	>2.5

Since 0.5% and 1% results were not in the reliable range of colorimeter we decided to conclude from the results of 0.1% catechu extract
To avoid the dilution error, we performed dilutions of both extracts in triplicates and took average of the 3 readings.

KP 0.1%	MP 0.1%
0.380	0.380
0.505	0.418
0.481	0.442
Average - 0.443	Average - 0.413

Both the extracts showed a difference of 0.03 OD

Readings after autoclaving the extract:

KP	1	2	3	Average
0.1%	0.386	0.395	0.419	0.400
0.5%	2.324	2.262	2.246	2.277
1%	>2.5	>2.5	>2.5	-

MP	1	2	3	average
0.1%	0.592	0.546	0.566	0.568
0.5%	>2.5	2.442	3.356	2.399
1%	>2.5	>2.5	>2.5	-

The 0.1% catechu extract showed a difference of 0.168 OD after autoclaving.
The 0.5% extract showed a difference of 0.122 OD after autoclaving.