

**MAULANA AZAD COLLEGE OF ARTS,
SCIENCE AND COMMERCE,
RAUZA BAGH
AURANGABAD**



**DEPARTMENT OF MICROBIOLOGY
ORGANIZED
WORKSHOP
ON
MAKING MONEY FROM MICROBES**

**Make your own
brand of Yoghurt**

Speaker: Professor Aditi Bhattacharya

Head,

Department of Microbiology

**Maulana Azad College of Arts, Science and
Commerce, Aurangabad**

Date: 31st January 2020

Time: 1.10 pm

Venue: Department of Microbiology



Highlights of the workshop:

- **Large scale production of Lactic acid bacteria**
- **Technical responsibilities**
- ***fssai* process**

Organizing committee:

- **Dr. Mazahar Farooqui,
Principal, Maulana Azad
College of Arts, Science and
Commerce, Aurangabad**
- **Dr. Aditi Bhattacharya, IQAC,
Co-Ordinator, Maulana Azad
College of Arts, Science and
Commerce, Aurangabad**
- **Dr. Madhuri Sahasrabudhe**
- **Ms. Mahejabin N. Sayyad**

Maulana Azad College of Arts, Science and Commerce,
Aurangabad.
Report of activity for submission to IQAC

Name of the Event / Activity/ speaker: " Making Money From Microbes"

Date:- 31.01.2020 -- Time:- 1.10 pm Venue: Department of Microbiology

Number of beneficiaries: 21 Type of activity: Departmental Entrepreneurship activity

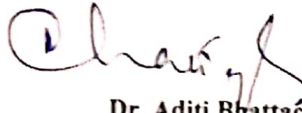
Goals and objectives:

- To understand the process of large scale production of Lactic acid bacteria
- To make our own brand of Yoghurt.


Highlights of the Programme: Attached report

Relevance and outcome :

- The students came to know the details of large scale production of Lactic acid bacteria so as to set up their own industry.
- The students understood the technical responsibilities of large scale production.
- The students understood the process of fssai.


Dr. Aditi Bhattacharya
HOD Microbiology & IQAC Coordinator

COORDINATOR
Internal Quality Assurance Cell
Maulana Azad College of Arts,
Science & Commerce, Aurangabad.


Dr. Mazhar Farooqui
Principal
Principal
Maulana Azad College of Arts,
Science & Commerce,
Rauza Baugh, Aurangabad.

Maulana Azad College of Arts Science and Commerce, Aurangabad

Dept of Microbiology

31.01.2020.

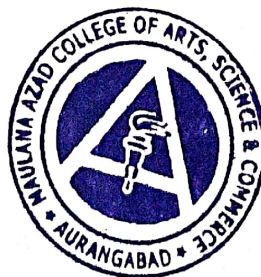
**Making money from microbes
(Entrepreneurship development : Large scale production of Lactic
acid bacteria)**

The application of microbes with respect to industries is unlimited, be it effluent treatment single cell proteins, or the numerous industrial fermentations that are carried out using microbes in this context the large scale production of LAB holds importance because of its wide range of application of commercial interest.

The department of microbiology arranges Microbiophyllyx in which a suitable name and slogan for a yoghurt brand was asked from students. The activity culminated with an entrepreneurship development program on “ Making money from microbes – large scale production of LAB.

The highlights of the entrepreneurship development programme is as follows :

- Use of a robust microbial strain for lactic acid production
- Different products produced by Lab
- Predominant industrial products of fermentations
- Forecast of poly lactic acid as in important by product along with probiotics, lipoteichoic acid, bacteriocins.
- Fermentation media
- Metabolic pathway involved (Glycolysis/ Pentose phosphate pathway)
- Methods of extraction
- Product purification
- Use of biomass



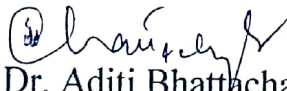
The rheogenic properties of curd/yoghurt were also discussed along with availability of loans and clearance needed for the set up.

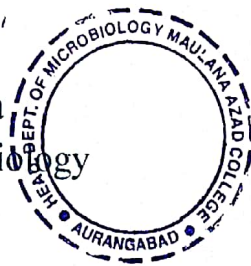
- Factories act
- Environmental protection rules
- Food safety, standards act
- Bottling rules
- Shop & establishment license
- Health and trade license
- Fire safety license
- FSSAI license

Documents for setting up a plant :


General documents

- Application
- Project report
- Blue print of the plant
- Land document
- Excise (undertaking)
- Pan from IT Dept.
- Utility bills
- (water, electricity)


Dr. Aditi Bhattacharya
HOD Dept. of Microbiology




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Maulana Azad College of Arts, Science and Commerce, Aurangabad

Department of Microbiology

Making Money from Microbes





Maulana Azad College of Arts, Science and Commerce, Aurangabad

Department of Microbiology

Date 31.01.2020

Making Money from microbes

(Entrepreneurship Development: Large scale Production of Lactic acid bacteria)

Sr.No.	Roll no.	Name	Signature
1	201	Dapke Priyanka Sahebrao	Priyanka
2	202	Ghate Shraddha Laxman	Shraddha
3	203	Iqura Anjum Shaikh Rafeeqe Ahmed	Iqura
4	204	Shaikh Saba Bewgum Shaikh Saleem	Saba
5	205	Shaikh Ramsha Mohd Hanif	Ramsha
6	206	Syeda Humaira Anjum Syed Layaq Ali	Humaira
7	207	Khan Zehra Fatima Abdul Sami	Zehra Khan
8	208	Shaikh Mizba Mohd Gayas Shaikh	Mizba
9	209	Peherkar Ashvini Vilas	Ashvini
10	210	Dhakne Pooja Anil	Pooja
11	211	Shaikh Shoeb Musa	Shoeb

12	212	Sk. Inamul Haque	Skona
13	213	Baig Bushra Parveen Mirza Rafat Baig	Baig
14	214	Shaikh Khudaija Shaikh Iqbal Ahmed	Kh
15	215	Khan Uzma Anjum Samad Khan	uzma
16	216	Urusa Khan Hamed Hussain Khan	Urusa
17	217	Binmazi Barka Saud	Barka
18	218	Khan Shireen Khan Shireen Feroz Khan	Shireen
19	219	Shaikh Heena Kauser Ateeque Ahmed	Heena
20	220	Saba Sayed Anwar	Saba
21	222	Siddiqui Anam Fatema	Anam



 Dr. Aditi Bhattacharya

 HOD, Microbiology